# ANNUAL REPORT OF
# THE DIRECTOR OF THE MINT

FOR THE FISCAL YEAR ENDED JUNE 30

1949

INCLUDING REPORT ON

## THE PRODUCTION OF THE PRECIOUS METALS

FOR THE CALENDAR YEAR

1948




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TREASURY DEPARTMENT

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*Director of the Mint*

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# REPORT OF THE DIRECTOR OF THE MINT ON THE OPERATIONS OF THE MINT SERVICE FOR THE FISCAL YEAR 1949

HARRY S. TRUMAN PRESIDENTIAL MEDAL




OBVERSE




REVERSE

# ANNUAL REPORT OF THE DIRECTOR OF THE MINT

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
*Washington, D. C., August 30, 1949.*

SIR: In compliance with the provisions of section 345 of the Revised Statutes of the United States, I have the honor to submit herewith a report covering the operations of the mints, assay offices, and bullion depositories of the United States for the fiscal year ended June 30, 1949, being the Seventy-seventh Annual Report of the Director of the Mint. There is also submitted for publication in connection therewith the annual report of this Bureau upon the production and consumption of the precious metals in the United States for the calendar year 1948.

## OPERATIONS OF THE MINTS, ASSAY OFFICES, AND BULLION DEPOSITORIES

The principal functions of the Bureau of the Mint consist of the manufacture of domestic and foreign coins; the acquisition of gold and silver, payments for which are made on the basis of mint assays; the safeguarding of the Government's holdings of the monetary metals, including coins in processing stages until finished and issued; the refining of gold and silver; the administration of regulations pertaining to gold and silver, including the issuance of licenses for the acquisition, ownership, possession, use, and exportation of gold for industrial, professional, and artistic purposes; and the production of medals and other decorations.

The Office of the Director of the Mint in Washington administers all activities of the Bureau of the Mint. During the fiscal year 1949 seven field institutions were in operation: Coinage mints in Philadelphia, San Francisco, and Denver; assay offices in New York City and Seattle; gold bullion depository in Fort Knox, Ky.; and silver bullion depository in West Point, N. Y., which is an adjunct of the New York Assay Office. Electrolytic refineries are maintained at the San Francisco, Denver, and New York City institutions. The medal and engraving departments are located at the Philadelphia Mint. At the close of the fiscal year 1949 the number of employees of the departmental and field institutions totaled 1,272 compared with 1,283 at the beginning of the year.

*Domestic coinage.*—Production of United States coins totaled 911,257,226 pieces with a value of $51,779,863 during the fiscal year 1949. The gross weight of the coins was 3,643 tons, with subsidiary coins consuming 967 tons (28,200,422 fine ounces) of silver; and minor

coins consuming 2,269 tons of copper, 215 tons of nickel, and 85 tons of zinc and tin. Production of each mint is shown in the following table:

*United States coinage during the fiscal year 1949*

| Denomination | Philadelphia | San Francisco | Denver | Total value | Total pieces |
|---|---|---|---|---|---|
| SILVER | | | | | |
| Half dollars—Regular | $2,049,407.00 | | $1,324,000.00 | $3,373,407.00 | 6,746,814 |
| Half dollars—Commemorative: | | | | | |
| Booker T. Washington | 6,002.00 | $6,002.00 | 6,002.00 | 18,006.00 | 36,012 |
| Quarter dollars | 9,134,000.00 | 3,990,000.00 | 4,476,600.00 | 17,600,600.00 | 70,402,400 |
| Dimes | 8,072,000.00 | 3,552,000.00 | 6,368,500.00 | 17,992,500.00 | 179,925,000 |
| Total silver | 19,261,409.00 | 7,548,002.00 | 12,175,102.00 | 38,984,513.00 | 257,110,226 |
| MINOR | | | | | |
| 5-cent pieces (cupro-nickel) | 4,105,800.00 | 1,050,800.00 | 2,660,750.00 | 7,817,350.00 | 156,347,000 |
| 1-cent pieces (bronze) | 2,557,350.00 | 555,850.00 | 1,864,800.00 | 4,978,000.00 | 497,800,000 |
| Total minor | 6,663,150.00 | 1,606,650.00 | 4,525,550.00 | 12,795,350.00 | 654,147,000 |
| Total domestic coinage | 25,924,559.00 | 9,154,652.00 | 16,700,652.00 | 51,779,863.00 | 911,257,226 |

*Foreign coinage.*—Production of foreign coins during the fiscal year 1949 totaled 76,370,000 pieces which contained 727 tons of metals including silver, copper, nickel, zinc, and tin. Details of production are shown in the following table:

*Coinage by the United States mints for other countries during the fiscal year 1949*

| Country and denomination | Composition | Gross weight per coin | Coinage by mint at— | | | |
|---|---|---|---|---|---|---|
| | | | Philadelphia | San Francisco | Denver | Total |
| | | *Grains* | *Pieces* | *Pieces* | *Pieces* | *Pieces* |
| China: Dollar | 880 silver–120 copper | 412 | 9,950,000 | | 2,410,000 | 12,360,000 |
| Cuba: | | | | | | |
| 20 centavos | 900 silver–100 copper | 77.16 | 20,000,000 | | | 20,000,000 |
| 10 centavos | do | 38.58 | 15,000,000 | | | 15,000,000 |
| Total Cuba | | | 35,000,000 | | | 35,000,000 |
| Dominican Republic: | | | | | | |
| 1 centavo | 95 copper–5 zinc and tin. | 48 | 3,000,000 | | | 3,000,000 |
| Mexico: 1 peso | 902.7 silver–97.3 copper. | 417.81 | | 1,250,000 | | 1,250,000 |
| Saudi Arabia: 1 riyal | 916 ⅔ silver–83⅓ copper. | 180 | 10,000,000 | | | 10,000,000 |
| Venezuela: | | | | | | |
| ¼ bolivar | 835 silver–165 copper | 19.29 | | | 4,160,000 | 4,160,000 |
| 5 centimos | 75 copper–25 nickel | 38.58 | | | 10,600,000 | 10,600,000 |
| Total Venezuela | | | | | 14,760,000 | 14,760,000 |
| Grand total | | | 57,950,000 | 1,250,000 | 17,170,000 | 76,370,000 |

*Issue of domestic coins.*—Over 1 billion United States coins were issued by the mints during the fiscal year, classified as follows:

| Denomination | Number of pieces issued | Face value |
|---|---|---|
| Silver dollars | 8,187,885 | $8,187,885.00 |
| Half dollars | 11,453,867 | 5,726,933.50 |
| Quarter dollars | 54,003,979 | 13,500,994.75 |
| Dimes | 143,813,129 | 14,381,312.90 |
| 5-cent pieces | 149,064,640 | 7,453,232.00 |
| 1-cent pieces | 637,434,218 | 6,374,342.18 |
| Total | 1,003,957,718 | 55,624,700.33 |

*Stock of coins.*—The estimated stock of coins in the United States as of June 30, 1949, totaled $1,854,268,762, comprising $492,857,480 in standard silver dollars, $989,455,582 in subsidiary coins, and $371,955,700 in minor coins.

*Medals.*—The output of service medals and other distinguishing devices for the National Military Establishment, Maritime Commission, and other Government departments totaled 430,297 pieces, and other medals sold to the public totaled 15,815 during the fiscal year.

A medal marking the second administration of President Harry S. Truman was approved on April 4, 1949. This being part of an historic series, the Mint used, in accordance with its customary policy, the same portrait as that placed upon his first medal. The portrait was modeled by the late John R. Sinnock, Chief Mint Sculptor. The reverse, depicting the White House, is a new design and was modeled by Gilroy Roberts and Engelhardus Von Hebel, Mint Sculptors. An illustration of this medal appears opposite page 1 of this report.

*Engraving department.*—During the fiscal year 1949 the engraving department issued a total of 10,406 items, including 8,522 domestic coinage dies and 1,365 foreign coinage dies.

*Bullion deposit transactions.*—Bullion deposit transactions at the mints and assay offices during the fiscal year 1949 totaled 12,618, including 31 intermint transfers. These transactions required 25,841 assay determinations, including 1,241 determinations for the intermint transfers.

*Acquisitions of gold.*—Deposits and purchases of gold during the fiscal year are summarized as follows:

[On quantity basis, *see* Bases Used for Mint Service Statistics]

| | *Value* |
|---|---|
| Purchases at $20.67+per fine ounce | $11,328 |
| Increment to $35 per fine ounce | 7,852 |
| Purchases at $35 per fine ounce | 1,395,656,078 |
| Domestic coin transferred (melted) | 179,620 |
| Intermint transfers | 11,239,024 |
| Total value at $35 per ounce | 1,407,093,902 |

*Acquisitions of silver.*—During the fiscal year deposits and purchases of silver totaled 147,772,022 fine ounces, classified as follows:

[On quantity basis, see Bases Used for Mint Service Statistics]

| | *Number of fine ounces* |
|---|---|
| Newly mined domestic silver | 36, 329, 086 |
| Silver contained in gold deposits, etc | 163, 174 |
| Silver received in exchange for Government-stamped bars | 189, 164 |
| Recoinage bullion from uncurrent subsidiary coin | 1, 411, 779 |
| Recoinage bullion from uncurrent silver dollars | 181, 481 |
| Intermint transfers of silver | 121, 081 |
| Deposits of silver in trust by foreign governments | 15, 736, 977 |
| Redeposits [1] | 93, 639, 280 |
| Total | 147, 772, 022 |

[1] Consists of Treasury stock previously held by certain agencies of the Federal Government.

*Refinery production of gold and silver.*—During the fiscal year the refineries produced 1,686,734 fine ounces of gold and 773,525 fine ounces of silver by the electrolytic process. In addition, approximately 27 tons of gold and silver were subject to fire process only.

*Issue bars manufactured.*—The mints and assay offices manufactured 90,724 issue bars containing 31,471,821 fine ounces of gold and 826 issue bars containing 115,023 fine ounces of silver during the fiscal year.

*Stock of unrefined bullion.*—At the close of the fiscal year the stock of unrefined bullion, in terms of the assayed fine gold and silver content, amounted to 1,542 tons.

*Monetization of silver bullion.*—Silver certificates in the amount of $33,486,868 were issued by the Treasury during the fiscal year against 25,900,000 fine ounces of silver bullion valued at $1.29+ per fine ounce, the statutory monetary value of silver. The difference between the cost and the monetary value of the silver was $10,046,061, which constituted seigniorage.

*Sales of gold for industrial use.*—Sales of gold bars to licensed purchasers for industrial, professional, and artistic use totaled $44,010,560.86 during the fiscal year 1949. Sales by months are shown in the following table:

[On value basis, see Bases Used for Mint Service Statistics]

| Month | Value of gold bars issued | Month | Value of gold bars issued |
|---|---|---|---|
| 1948: | | 1949—Continued | |
| July | $1, 548, 044. 51 | February | $2, 982, 372. 57 |
| August | 4, 257, 250. 07 | March | 4, 140, 137. 64 |
| September | 3, 396, 601. 11 | April | 3, 714, 241. 61 |
| October | 3, 829, 369. 92 | May | 3, 541, 797. 51 |
| November | 2, 914, 181. 41 | June | 8, 668, 561. 68 |
| December | 2, 585, 363. 02 | | |
| 1949: | | Total | 44, 010, 560. 86 |
| January | 2, 432, 639. 81 | | |

*Sales of silver for industrial use.*—Sales of silver at $0.91 per fine ounce under the act of July 31, 1946, amounted to 1,071 fine ounces during the year.

*Stock of monetary bullion.*—The United States stock of gold bullion in custody of mint institutions totaled $24,466,165,743, and the stock of silver bullion amounted to 1,066,860,645 fine ounces on June 30, 1949. In addition, certain other agencies of the Federal Government held 634,694,180 fine ounces of Treasury silver on the same date.

*Receipts and disbursements of gold bullion.*—Receipts and disbursements of gold bullion during the fiscal year 1949, and balances on hand June 30, 1949, as compared with June 30, 1948, are shown in the following table:

| Institution | Balance on hand June 30, 1948 | Receipts during fiscal year 1949 (details below) [1] | Total | Disbursements during fiscal year 1949 (details below) [1] | Balance on hand June 30, 1949 |
|---|---|---|---|---|---|
| Philadelphia | $3,044,167.68 | $1,763,793.51 | $4,807,961.19 | $2,299,123.14 | $2,508,838.05 |
| San Francisco | 447,692,023.26 | 29,636,406.46 | 477,328,429.72 | 1,122,848.15 | 476,205,581.57 |
| Denver | 5,738,977,823.83 | 18,127,478.07 | 5,757,105,301.90 | 2,368,432.77 | 5,754,736,869.13 |
| New York | 4,858,666,936.32 | 1,371,749,529.20 | 6,230,416,465.52 | 482,076,375.46 | 5,748,340,090.06 |
| Seattle | 549,418.42 | 10,060,895.18 | 10,610,313.60 | 9,651,309.41 | 959,004.19 |
| Fort Knox | 12,483,415,360.28 | | 12,483,415,360.28 | | 12,483,415,360.28 |
| Total | 23,532,345,729.79 | 1,431,338,102.42 | 24,963,683,832.21 | 497,518,088.93 | 24,466,165,743.28 |

[1] Includes transfers.

DETAILED RECEIPTS OF GOLD BULLION

| Institution | Deposits (including melted coin) | Surplus bullion (including shipment gains) | Transfers from mints and assay offices | Increment to $35 per ounce on receipts at $20.67+ | Total |
|---|---|---|---|---|---|
| Philadelphia | $1,761,744.84 | $1,449.19 | | $599.48 | $1,763,793.51 |
| San Francisco | 19,905,088.50 | 9,650.50 | $9,714,666.72 | 7,000.74 | 29,636,406.46 |
| Denver | 18,123,550.51 | 2,148.78 | 1,750.00 | 28.78 | 18,127,478.07 |
| New York | 1,370,198,568.72 | 29,147.36 | 1,521,680.93 | 132.19 | 1,371,749,529.20 |
| Seattle | 10,059,455.51 | 998.87 | 350.00 | 90.80 | 10,060,895.18 |
| Fort Knox | | | | | |
| Total | 1,420,048,408.08 | 43,394.70 | 11,238,447.65 | 7,851.99 | 1,431,338,102.42 |

DETAILED DISBURSEMENTS OF GOLD BULLION

| Institution | Fine and imported bars paid to depositors or sold for cash | Transfers to mints, assay offices, and depositories | Sold in sweeps, manufactures, etc., and operating losses | Total |
|---|---|---|---|---|
| Philadelphia | $762,512.17 | $1,521,680.93 | $14,930.04 | $2,299,123.14 |
| San Francisco | 1,066,468.59 | | 56,379.56 | 1,122,848.15 |
| Denver | 2,349,159.95 | | 19,272.82 | 2,368,432.77 |
| New York | 481,831,334.12 | 65,457.31 | 179,584.03 | 482,076,375.46 |
| Seattle | | 9,651,309.41 | | 9,651,309.41 |
| Fort Knox | | | | |
| Total | 486,009,474.83 | 11,238,447.65 | 270,166.45 | 497,518,088.93 |

*Melting and refining and coining departments.*—The operations of the melting and refining and of the coining departments of the three mints and the New York Assay Office are shown in the table following. The data are based upon the figures obtained at the settlements of the accounts for the fiscal year 1949. Legal limits of wastage on the

whole amount delivered by the superintendent to the operative offices, as prescribed in section 3542 of the Revised Statutes, are as follows: Melter and refiner—gold, 0.001; silver, 0.0015; coiner—gold, 0.0005; silver, 0.001.

*Operations of the melting and refining and of the coining departments, fiscal year 1949*

GOLD BULLION

| Institution | Amount received | Amount returned | Amount operated upon, including reworked metal | Legal amount of wastage on amount received | Surplus recovered | Wastage | Wastage per 1,000 ounces operated upon |
|---|---|---|---|---|---|---|---|
| | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Philadelphia Mint: | | | | | | | |
| Melting and refining | 137,900 | 137,938 | 66,420 | 138 | 38 | | |
| Coining | 1,631 | 1,648 | 1,604 | 1 | 17 | | |
| San Francisco Mint: | | | | | | | |
| Melting and refining | 6,430,229 | 6,430,280 | 1,829,652 | 6,430 | 51 | | |
| Coining | 4 | 5 | | | 1 | | |
| Denver Mint: | | | | | | | |
| Melting and refining | 16,642,177 | 16,642,422 | | 16,642 | 245 | | |
| Coining | | | | | | | |
| New York Assay Office: | | | | | | | |
| Melting and refining | 40,244,402 | 40,245,213 | 31,023,187 | 40,244 | 811 | | |
| Total melting and refining | 63,454,708 | 63,455,853 | 32,919,259 | 63,454 | 1,145 | | |
| Total coining | 1,635 | 1,653 | 1,604 | 1 | 18 | | |
| Grand total | 63,456,343 | 63,457,506 | 32,920,863 | 63,455 | 1,163 | | |

SILVER BULLION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Philadelphia Mint: | | | | | | | |
| Melting and refining | 131,814,888 | 131,820,117 | 57,655,685 | 197,722 | 5,229 | | |
| Coining | 58,721,424 | 58,696,619 | 55,249,269 | 58,722 | | 24,805 | 0.4490 |
| San Francisco Mint: | | | | | | | |
| Melting and refining | 50,532,909 | 50,531,576 | 12,167,364 | 75,799 | | 1,333 | .0176 |
| Coining | 10,114,136 | 10,112,644 | 10,107,740 | 10,114 | | 1,492 | .1476 |
| Denver Mint: | | | | | | | |
| Melting and refining | 121,901,164 | 121,908,883 | 377,536 | 182,851 | 7,719 | | |
| Coining | 17,878,583 | 17,877,925 | 14,989,488 | 17,879 | | 658 | .0439 |
| New York Assay Office: | | | | | | | |
| Melting and refining | 11,726,387 | 11,726,513 | 5,117,342 | 17,590 | 126 | | |
| Total melting and refining | 315,975,348 | 315,987,089 | 75,317,927 | 473,962 | 13,074 | 1,333 | .0177 |
| Total coining | 86,714,143 | 86,687,188 | 80,346,497 | 86,715 | | 26,955 | .3355 |
| Grand total | 402,689,491 | 402,674,277 | 155,664,424 | 560,677 | 13,074 | 28,288 | .1817 |

NICKEL COINAGE METAL

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* |
| Philadelphia Mint: | | | | | | | |
| Melting and refining | 26,780,707 | 26,689,944 | 23,730,156 | | | 90,763 | 3.8270 |
| Coining | 25,168,218 | 25,133,039 | 22,835,009 | | | 35,179 | 1.5410 |
| San Francisco Mint: | | | | | | | |
| Melting and refining | 12,533,426 | 12,518,206 | 9,326,818 | | | 15,220 | 1.6320 |
| Coining | 6,667,344 | 6,658,459 | 6,667,144 | | | 8,884 | 1.3330 |
| Denver Mint: | | | | | | | |
| Melting and refining | 11,755,141 | 11,754,127 | 11,755,141 | | | 1,014 | .0863 |
| Coining | 13,081,862 | 13,079,560 | 12,581,114 | | | 2,302 | .1830 |
| Total melting and refining | 51,069,274 | 50,962,277 | 44,812,115 | | | 106,997 | 2.3879 |
| Total coining | 44,917,424 | 44,871,058 | 42,083,267 | | | 46,365 | 1.1017 |
| Grand total | 95,986,698 | 95,833,335 | 86,895,382 | | | 153,362 | 1.7649 |

*Operations of the melting and refining and of the coining departments, fiscal year 1949*—Continued

BRONZE COINAGE METAL

| Institution | Amount received | Amount returned | Amount operated upon, including reworked metal | Legal amount of wastage on amount received | Surplus recovered | Wastage | Wastage per 1,000 ounces operated upon |
|---|---|---|---|---|---|---|---|
| | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* | *Gross ounces* |
| Philadelphia Mint: | | | | | | | |
| Melting and refining | 46,174,569 | 45,598,882 | 43,806,119 | ---------- | ---------- | 575,687 | 13.1420 |
| Coining | 47,377,596 | 47,337,590 | 46,368,033 | ---------- | ---------- | 40,005 | .8628 |
| San Francisco Mint: | | | | | | | |
| Melting and refining | 13,225,829 | 13,217,650 | 8,471,809 | ---------- | ---------- | 8,178 | .9653 |
| Coining | 8,665,218 | 8,660,971 | 8,383,664 | ---------- | ---------- | 2,247 | .2680 |
| Denver Mint: | | | | | | | |
| Melting and refining | 23,914,625 | 23,896,822 | 23,914,625 | ---------- | ---------- | 17,803 | .7444 |
| Coining | 27,486,755 | 27,480,938 | 25,957,665 | ---------- | ---------- | 5,817 | .2241 |
| Total melting and refining | 83,315,023 | 82,713,354 | 76,192,553 | ---------- | ---------- | 601,668 | 7.8967 |
| Total coining | 83,529,569 | 83,479,499 | 80,709,362 | ---------- | ---------- | 48,069 | .5956 |
| Grand total | 166,844,592 | 166,192,853 | 156,901,915 | ---------- | ---------- | 649,737 | 4.1404 |

*Sweeps cellar operations, bullion gains and losses, wastage of coinage metal, and loss on sale of sweeps.*—Data on these items for the fiscal year 1949 are contained in the three following tables:

*Sweeps cellar operations (includes crushed discarded melting pots, etc.), fiscal year 1949*

| Institution | Source | Material (quantity) | | Metal content | | | |
|---|---|---|---|---|---|---|---|
| | | Bags | Net avoirdupois | Bars recovered | | Tailings | |
| | | | | Gold | Silver | Gold | Silver |
| | | *Number* | *Pounds* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Philadelphia Mint | Melting and refining | 43 | 5,678 | ---------- | 30,704.78 | 12.728 | 5,629.85 |
| | Coining | 42 | 5,330 | 4.335 | 7,882.53 | 5.948 | 8,609.93 |
| | Deposits | 7 | 815 | ---------- | ---------- | 31.659 | 605.06 |
| Total | | 92 | 11,823 | 4.335 | 38,587.31 | 50.335 | 14,844.84 |
| San Francisco Mint | Melting and refining | 241 | 18,414 | 2.929 | 172.80 | 14.052 | 479.61 |
| | Refinery | 532 | 51,503 | 55.165 | 194.47 | 1,350.842 | 3,065.34 |
| | Coining | 12 | 1,008 | ---------- | ---------- | 2.948 | 427.99 |
| | Deposits | 19 | 1,716 | ---------- | ---------- | 19.845 | 120.57 |
| Total | | 804 | 72,641 | 58.094 | 367.27 | 1,387.687 | 4,093.51 |
| Denver Mint | Refinery | 1,603 | 157,721 | ---------- | ---------- | 630.073 | 9,954.42 |
| | Coining | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- |
| | Deposits | 100 | 9,306 | ---------- | ---------- | 162.541 | 206.41 |
| Total | | 1,703 | 167,027 | ---------- | ---------- | 792.614 | 10,160.83 |
| New York Assay Office | Refinery | 292 | 18,339 | ---------- | ---------- | 252.166 | ---------- |
| | Deposits | 513 | 33,003 | ---------- | ---------- | 1,185.990 | 1,497.91 |
| Total | | 805 | 51,342 | ---------- | ---------- | 1,438.156 | 1,497.91 |
| Grand total | | 3,404 | 302,833 | 62.429 | 38,954.58 | 3,668.792 | 30,597.09 |

*Bullion gains and losses, fiscal year 1949*

| Item | Mint at— | | | Assay Office at— | | Total |
|---|---|---|---|---|---|---|
| | Philadelphia | San Francisco | Denver | New York | Seattle | |
| Recovered from melting and refining and coining operations | $5,676.06 | $1,838.80 | $12,056.31 | $28,469.85 | ---------- | $48,041.02 |
| Recovered incident to receipt of bullion deposits | 1,497.56 | 1,471.81 | 434.79 | 758.96 | $1,005.04 | 5,168.16 |
| Gains on light weight and mutilated coin received for recoinage | 18.24 | 12.89 | 20.18 | .18 | ---------- | 51.49 |
| Gains on bullion shipments | ---------- | ---------- | ---------- | ---------- | [1] 590.10 | [1] 590.10 |
| Total gains | 7,191.86 | 3,323.50 | 12,511,28 | 29,228.99 | 1,595.14 | 53,850.77 |
| Wasted in refining and coining operations | 17,924.09 | 1,972.34 | 299.27 | ---------- | ---------- | 20,195.70 |
| Net gains | [2]—10,732.23 | 1,351.16 | 12,212.01 | 29,228.99 | 1,595.14 | 33,655.07 |

[1] Net.
[2] Loss.

*Wastage of coinage metal and loss on sale of sweeps, fiscal year 1949*

| Item | Mint at— | | | New York Assay Office | Total |
|---|---|---|---|---|---|
| | Philadelphia | San Francisco | Denver | | |
| Silver wastage: | | | | | |
| Melting and refining department | ---------- | ---------- | ---------- | ---------- | ---------- |
| Coinage department | $12,248.46 | $133.54 | $299.27 | ---------- | $12,681.27 |
| Nickel wastage: | | | | | |
| Melting and refining department | 1,734.61 | 283.16 | 19.65 | ---------- | 2,037.42 |
| Coinage department | 668.40 | 598.81 | 44.62 | ---------- | 1,311.83 |
| Bronze wastage: | | | | | |
| Melting and refining department | 9,569.53 | 124.03 | 271.26 | ---------- | 9,964.82 |
| Coining department | 664.89 | 64.41 | 88.64 | ---------- | 817.94 |
| Loss on sale of sweeps | 1,043.16 | ---------- | 1,246.22 | $518.05 | 2,807.43 |
| Total wastage and loss | 25,929.05 | 1,203.95 | 1,969.66 | 518.05 | 29,620.71 |
| Reimbursements: | | | | | |
| Silver, departmental wastage offset by other departmental surpluses | 12,248.46 | 133.54 | 299.27 | ---------- | 12,681.27 |
| Nickel and bronze wastage from minor coinage profits | 12,637.43 | 1,070.41 | 424.17 | ---------- | 14,132.01 |
| Nickel and bronze wastage offset by charges to foreign metals accounts | ---------- | ---------- | ---------- | ---------- | ---------- |
| Other wastages, and loss on sweeps from appropriations | 1,043.16 | ---------- | 1,246.22 | 518.05 | 2,807.43 |
| Total reimbursements | 25,929.05 | 1,203.95 | 1,969.66 | 518.05 | 29,620.71 |

*Production and consumption of gold and silver in the United States.*—During the calendar year 1948 the production of gold and silver refined from ores mined in the several States and Alaska was as follows: Gold, 2,025,480 fine ounces valued at $70,891,800; and silver, 39,228,468 fine ounces. Distribution of production according to State of origin appears in a separate section of this report.

Gold issued for use in the industrial arts in the United States during the calendar year 1948 aggregated $90,128,764, with a return from industrial use of secondary materials including old jewelry, plate, scrap, etc., amounting to $45,142,764, giving a net consumption of gold amounting to $44,986,000 during the year.

Silver issued for use in industry and the arts in the United States during the calendar year 1948 aggregated 129,186,173 fine ounces, with a return from industrial use of secondary materials including old silverware, scrap, etc., amounting to 23,897,173 fine ounces, giving a net consumption of silver amounting to 105,289,000 fine ounces during the year.

*Annual Assay Commission of 1949.*—Section 3547 of the Revised Statutes of the United States provides for an annual test of the domestic coinage executed during each calendar year by a commission of whom part are ex officio members, the others, who serve without compensation, being appointed by the President. The purpose is to secure a due conformity in the silver coins to their respective standards of fineness and weight. The Commission, which met at the Philadelphia Mint February 9 and 10, 1949, reported the following results of their examination of the 1948 coinage:

*Annual assay coins reserved at various mints during calendar year 1948*

| Denomination | Philadelphia | | Denver | | San Francisco | |
|---|---|---|---|---|---|---|
| | Pieces | Value | Pieces | Value | Pieces | Value |
| Half dollars—Regular | 301 | $150.50 | 409 | $204.50 | ---------- | ---------- |
| Half dollars—Commemorative: | | | | | | |
| Booker T. Washington | 3 | 1.50 | 3 | 1.50 | 3 | $1.50 |
| Quarter dollars | 3,562 | 890.50 | 1,738 | 434.50 | 1,596 | 399.00 |
| Dimes | 7,495 | 749.50 | 5,285 | 528.50 | 3,552 | 355.20 |
| Total | 11,361 | 1,792.00 | 7,435 | 1,169.00 | 5,151 | 755.70 |

## REPORT OF THE COMMITTEE ON COUNTING

In accordance with section 3539 of the Revised Statutes, your committee on counting reports that the packages said to contain the pieces reserved by the several mints for the trial of coins were delivered to us by the Superintendent of the Mint at Philadelphia. Verification of the coins reserved was made by checking same against the original record of coin deliveries and reservations for assay in respect to the Philadelphia Mint, and against transcripts furnished the committee showing reservations for assay from the Denver and San Francisco Mints.

At random we selected from the deliveries a certain number of packages, and it was the intention of the committee to include all denominations. Of the packages selected, the coins contained therein were counted, and the number of coins contained in each envelope is noted in the tables below for each mint.

## REPORT OF THE COMMITTEE ON WEIGHING

The Committee on Weighing reports that it selected at random a total of 81 coins, consisting of 19 coins from the Philadelphia Mint, 31 coins from the Denver Mint, and 31 coins from the San Francisco Mint. These coins were taken from 34 different deliveries and are believed to be adequately representative of the year's coinage of each mint.

The coins were weighed directly against weights from the set of coin and grain weights regularly reserved for the use of the Commission. This set was delivered under seal of the National Bureau of Standards, and was accompanied by a certificate from that Bureau showing that the errors of all weights of the set were negligible.

Weighings were made with a precision of 0.01 grain on a balance, the sensitiveness, accuracy, and reliability of which was tested and found adequate before the beginning of the work on February 9, and again on the morning of February 10.

It is to be noted that the weight of each coin was well within the tolerance allowed by law.

The following table shows the maximum deviation of the heaviest and lightest coins of the denominations set forth below, as found from individual weighings:

| Denomination | Legal deviation allowed | Philadelphia | | Denver | | San Francisco | |
|---|---|---|---|---|---|---|---|
| | | Heavy | Light | Heavy | Light | Heavy | Light |
| 1948 | *Grains* | *Grains* | *Grains* | *Grains* | *Grains* | *Grains* | *Grains* |
| Half dollar | 4 | 1.25 | ---------- | 1.56 | 0.15 | 0.27 | ---------- |
| Quarter dollar | 3 | .89 | 0.84 | .99 | 1.20 | .81 | 0.88 |
| Dime | 1.5 | .40 | .40 | .60 | .40 | .58 | .03 |

## REPORT OF THE COMMITTEE ON ASSAYING

In compliance with section 3547 of the Revised Statutes, the Committee on Assaying is pleased to report that the assays have been completed on samples taken from the different lots of coin, representing all denominations of silver coined during the calendar year 1948, by the United States Mints at Philadelphia, Denver, and San Francisco.

No gold was coined at any of the mints during the year.

The results of assays on individual coins and mass melts of coins are satisfactory, being well within the limits of tolerance, which is six one-thousands for silver coins.

The highest and lowest assay on an individual coin from each of the three mints is as follows:

| | *Highest* | *Lowest* |
|---|---|---|
| Philadelphia Mint | 900.2 | 898.8 |
| Denver Mint | 900.0 | 898.2 |
| San Francisco Mint | 900.2 | 898.8 |

*Result of mass melting*

| | |
|---|---|
| Philadelphia Mint | 900.0 |
| Denver Mint | 899.0 |
| San Francisco Mint | 899.3 |

The assay balances were tested and found to be in adjustment, the nitric acid used for assaying was found to be free of chlorine, and the weights used for weighing the samples for assay were checked against a set that had been standarized by the National Bureau of Standards.

*Personnel of the Bureau of the Mint.*—The following table summarizes by departments the personnel of the Bureau of the Mint on June 30, 1949, compared with June 30, 1948:

| Bureau of the Mint | Established under act of— | Number of employees, by departments | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | | | | | | | Total | |
| | | Administrative, etc. | Custodial | | Mechanical | Deposits division | Engraving | Assaying | Coining | Melting and refining | June 30, 1949 | June 30, 1948 |
| | | | Guards | Other | | | | | | | | |
| Office of the Director | Feb. 12, 1873 | 52 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 52 | 49 |
| Philadelphia Mint | Apr. 2, 1792 | 50 | 41 | 22 | 63 | 31 | 18 | 7 | 207 | 91 | 530 | 525 |
| San Francisco Mint | July 3, 1852 | 25 | 26 | 7 | 26 | 9 | ----- | 9 | 48 | 49 | 199 | 206 |
| Denver Mint | Apr. 21, 1862 | 31 | 31 | 11 | 40 | 6 | ----- | 6 | 77 | 69 | 271 | 285 |
| New York Assay Office | Mar. 3, 1853 | 28 | 26 | 6 | 8 | 23 | ----- | 18 | ----- | 49 | 158 | 159 |
| West Point Depository | June 22, 1936 | ----- | 14 | ----- | 1 | ----- | ----- | ----- | ----- | ----- | 15 | 13 |
| Seattle Assay Office | May 21, 1898 | 3 | 3 | ----- | ----- | 4 | ----- | 2 | ----- | ----- | 12 | 11 |
| Fort Knox Depository | Aug. 13, 1935 | 3 | 28 | 4 | ----- | ----- | ----- | ----- | ----- | ----- | 35 | 35 |
| Total June 30, 1949 | ----- | 192 | 169 | 50 | 138 | 73 | 18 | 42 | 332 | 258 | 1,272 | ----- |
| Total June 30, 1948 | ----- | 194 | 184 | 48 | 134 | 63 | 18 | 46 | 366 | 230 | ----- | 1,283 |

The foregoing report, covering the operation of the mints, assay offices, and the bullion depositories of the United States for the fiscal year ended June 30, 1949, is respectfully submitted.

NELLIE TAYLOE ROSS,
*Director of the Mint.*

Hon. JOHN W. SNYDER,
*Secretary of the Treasury.*

860875—49——2

# REPORT OF THE DIRECTOR OF THE MINT ON THE PRODUCTION AND CONSUMPTION OF GOLD AND SILVER IN THE UNITED STATES FOR THE CALENDAR YEAR 1948

# REPORT ON PRODUCTION AND CONSUMPTION OF GOLD AND SILVER IN THE UNITED STATES DURING THE CALENDAR YEAR 1948

## INTRODUCTION

The official estimate of production of gold and silver in the United States, made by the Bureau of the Mint, is based upon arrivals at United States mints and assay offices and at privately owned refineries. The mints and assay offices determine the State source of all newly mined unrefined material at the time deposits are received. The State source of material received by privately owned refineries is determined from information submitted by them and by intervening smelters, mills, etc., involved in the reduction processes.

The estimated industrial consumption of gold and silver is based upon issues by mints and assay offices, private refiners, dealers and manufacturers, plus an estimate of domestic coin melted for industrial use. From the total thus calculated there is deducted the old jewelry, plate, scrap, etc., received by the same concerns, giving net materials, consumed.

*Gold production.*—United States production of gold from ores mined in 18 States and the Territory of Alaska totaled 2,025,480 fine ounces valued at $70,891,800 during the calendar year 1948. Although total output for 1948 was 6.5 percent lower than the 1947 production of 2,165,318 fine ounces, it represented an increase of 38.5 percent over the 1,462,354 fine ounces produced in 1946. California was again the leading producer in 1948, followed by Utah, South Dakota, Alaska, and Colorado. A quantitative comparison of production by State with percentage change, calendar years 1947 and 1948, follows:

*Production of gold mined in the several States and Territory of Alaska (based upon arrivals at mints and assay offices and at private refineries)*

| State in which mined | 1947 | | 1948 | | Increase or decrease (−) in 1948 | |
|---|---|---|---|---|---|---|
| | *Fine ounces* | *Value* [1] | *Fine ounces* | *Value* [1] | *Fine ounces* | *Percent* [2] |
| Alaska | 319,781 | $11,192,335 | 221,471 | $7,751,485 | −98,310 | −30.7 |
| Arizona | 105,143 | 3,680,005 | 103,872 | 3,635,520 | −1,271 | −1.2 |
| California | 422,473 | 14,786,555 | 423,759 | 14,831,565 | 1,286 | .3 |
| Colorado | 174,571 | 6,109,985 | 161,348 | 5,647,180 | −13,223 | −7.6 |
| Georgia | 75 | 2,625 | 21 | 735 | −54 | |
| Idaho | 59,997 | 2,099,895 | 64,171 | 2,245,985 | 4,174 | 7.0 |
| Montana | 87,812 | 3,073,420 | 74,754 | 2,616,390 | −13,058 | −14.9 |
| Nevada | 105,083 | 3,677,905 | 118,603 | 4,151,105 | 13,520 | 12.9 |
| New Mexico | 10,212 | 357,420 | 9,349 | 327,215 | −863 | −8.5 |
| North Carolina | | | 4 | 140 | 4 | |
| Oregon | 18,231 | 638,085 | 14,914 | 521,990 | −3,317 | −18.2 |
| Pennsylvania | 1,436 | 50,260 | 2,204 | 77,140 | 768 | 53.5 |
| South Dakota | 411,209 | 14,392,315 | 378,080 | 13,232,800 | −33,129 | −8.1 |
| Tennessee | 304 | 10,640 | 140 | 4,900 | −164 | |
| Texas | 56 | 1,960 | 54 | 1,890 | −2 | |
| Utah | 402,327 | 14,081,445 | 384,050 | 13,441,750 | −18,277 | −4.5 |
| Vermont | 98 | 3,430 | 104 | 3,640 | 6 | |
| Virginia | 2 | 70 | | | −2 | |
| Washington | 44,998 | 1,574,930 | 68,483 | 2,396,905 | 23,485 | 52.2 |
| Wyoming | 1,510 | 52,850 | 99 | 3,465 | −1,411 | |
| Total | 2,165,318 | 75,786,130 | 2,025,480 | 70,891,800 | −139,838 | −6.5 |

[1] Valued at $35 per fine ounce.
[2] Percentage change not calculated for States with lower output.

The grand total production of gold in the United States and its possessions since 1792 amounts to 280,165,788 fine ounces with a value of $6,526,333,675. For a summary of production by calendar years 1792–1943, see page 36 of the Annual Report of the Director of the Mint for the Fiscal Year Ended June 30, 1944, and for later years, each succeeding annual report.

*Silver production.*—The United States production of silver from ores mined in 23 States and the Territory of Alaska totaled 39,228,468 fine ounces during the calendar year 1948, an increase of 641,399 fine ounces or 1.7 percent over the output in 1947 and an increase of 85.9 percent over the output in 1946. Idaho again ranked as the highest producer in 1948, followed by Utah, Montana, Arizona, and Colorado. The Treasury purchase price for newly mined domestic silver, in accordance with the act of July 31, 1946, was $0.905+ per fine ounce. The New York official open-market price for bar silver 0.999 fine ranged from a high of $0.775 per ounce to a low of $0.700 per ounce, with an average price of $0.74361 for the calendar year 1948. A quantitative comparison of state output with percentage change for the calendar years 1947 and 1948 follows:

*Production of silver mined in the several States and Territory of Alaska (based upon arrivals at mints and assay offices and at private refineries)*

| State in which mined | 1947 | | 1948 | | Increase or decrease (−) in 1948 | |
|---|---|---|---|---|---|---|
| | *Fine ounces* | *Value* [1] | *Fine ounces* | *Value* [1] | *Fine ounces* | *Percent* [2] |
| Alaska | 72,056 | $65,214 | 55,709 | $50,419 | −16,347 | −22.7 |
| Arizona | 4,870,385 | 4,407,944 | 4,930,017 | 4,461,914 | 59,632 | 1.2 |
| California | 1,937,346 | 1,753,396 | 1,067,886 | 966,491 | −869,460 | −44.9 |
| Colorado | 2,966,715 | 2,685,027 | 3,156,138 | 2,856,464 | 189,423 | 6.4 |
| Georgia | 13 | 12 | 3 | 3 | −10 | |
| Idaho | 10,700,950 | 9,684,900 | 11,620,665 | 10,517,289 | 919,715 | 8.6 |
| Illinois | 6,829 | 6,181 | 832 | 753 | −5,997 | −87.8 |
| Michigan | | | 1,008 | 912 | 1,008 | |
| Missouri | 166,879 | 151,034 | 108,169 | 97,898 | −58,710 | −35.2 |
| Montana | 6,068,633 | 5,492,419 | 6,643,623 | 6,012,814 | 574,990 | 9.5 |
| Nevada | 2,106,402 | 1,906,400 | 1,950,012 | 1,764,859 | −156,390 | −7.4 |
| New Mexico | 616,549 | 558,008 | 603,985 | 546,637 | −12,564 | −2.0 |
| New York | 16,001 | 14,482 | 10,451 | 9,459 | −5,550 | −34.7 |
| North Carolina | | | [3] | | | |
| Oregon | 32,076 | 29,030 | 18,357 | 16,614 | −13,719 | −42.8 |
| Pennsylvania | 9,401 | 8,508 | 13,710 | 12,408 | 4,309 | 45.8 |
| South Dakota | 111,197 | 100,639 | 93,781 | 84,877 | −17,416 | −15.7 |
| Tennessee | 80,359 | 72,729 | 36,507 | 33,041 | −43,852 | −54.6 |
| Texas | 30,621 | 27,714 | 10,180 | 9,213 | −20,441 | −66.8 |
| Utah | 8,395,806 | 7,598,629 | 8,451,152 | 7,648,719 | 55,346 | .7 |
| Vermont | 21,262 | 19,243 | 24,710 | 22,364 | 3,448 | 16.2 |
| Virginia | 2,160 | 1,955 | 40 | 36 | −2,120 | |
| Washington | 375,339 | 339,701 | 431,529 | 390,556 | 56,190 | 15.0 |
| Wyoming | 90 | 81 | 4 | 4 | −86 | |
| Total | 38,587,069 | 34,923,246 | 39,228,468 | 35,503,744 | 641,399 | 1.7 |

[1] Valued at $0.905+ per fine ounce, the purchase price of the Treasury for newly mined domestic silver, in accordance with the act of July 31, 1946.
[2] Percentage change not calculated for States with lower output.
[3] Less than 1 fine ounce.

The grand total production of silver in the United States and its possessions since 1792 amounts to 3,989,933,480 fine ounces. For a summary of production by calendar years 1792–1943, see page 36 of the Annual Report of the Director of the Mint for the Fiscal Year Ended June 30, 1944, and for later years, each succeeding annual report.

*Gold and silver consumption.*—The amount of gold and silver issued for industrial, professional, and artistic purposes; the amount of secondary or old materials returned for reworking, etc.; and the resulting net amount of gold and silver issued in the United States during the calendar year 1948 is itemized in the following statement:

| Item | Gold | Silver |
|---|---|---|
| | *Value* [1] | *Fine ounces* |
| Government-stamped bars issued by mints and assay offices | $38,000,289 | [2] 200,102 |
| Bullion in various forms issued by private refiners and dealers | 52,128,475 | 128,908,727 |
| United States coin (estimated) | | 77,344 |
| Total amount issued | 90,128,764 | 129,186,173 |
| Old jewelry, plate, scrap, etc., returned to private refiners, dealers, and to monetary use | 45,142,764 | 23,897,173 |
| Net amount issued | 44,986,000 | 105,289,000 |

[1] Gold valued at $35 per fine ounce.
[2] Includes 1,071 fine ounces of silver sold by the Treasury under authority of the act of July 31, 1946.

The value of fine gold bars issued monthly in exchange for cash for industrial, professional, and artistic use, by the mint institutions, during the calendar year 1948, was as follows:

[On value basis, see Bases Used for Mint Service Statistics]

| Month | Value of gold bars issued | Month | Value of gold bars issued |
|---|---|---|---|
| 1948: | | 1948–Continued. | |
| January | $2,458,019.58 | August | $4,257,250.07 |
| February | 4,838,036.74 | September | 3,396,601.11 |
| March | 3,469,458.83 | October | 3,829,369.92 |
| April | 3,758,618.85 | November | 2,914,181.41 |
| May | 1,605,782.91 | December | 2,585,363.02 |
| June | 3,339,562.44 | | |
| July | 1,548,044.51 | Total | 38,000,289.39 |

## REVIEW OF GOLD AND SILVER MINING INDUSTRY

A review of the gold and silver mining industry in the various States and Alaska for the calendar year 1948, for which acknowledgment is made to the Bureau of Mines, United States Department of the Interior, follows. It should be noted that production figures stated therein are based on a mine canvass of recoverable metal and, due principally to the time lag involved before this material reaches the mints and assay offices and private refineries, will not necessarily agree, on a yearly basis, with the figures published by the Bureau of the Mint.

### ALASKA

Production of 248,395 fine ounces of gold (in terms of recoverable metal), valued at $8,693,825, from Alaska mines in 1948 was 11 percent below the output in 1947, an unexpected reverse of the upward trend and partial recovery of this industry since 1945, according to Alfred L. Ransome, Juneau Office, Bureau of Mines, United States Department of the Interior. Silver production of 67,341 fine ounces, valued at $60,947, was 2 percent over the output in the previous year. Comparative production (and value) in 1947 was: Gold, 279,988 ounces ($8,693,825); and silver, 66,150 ounces ($60,947).

Gold output was lower despite the fact that 19 more properties were in operation (14 placer and 5 lode mines) than in 1947 and large-scale placer mining employed 2 more bucket-line dredges than in 1947. Few new companies have entered the field of gold mining, and a number of properties established before the war either did not operate or curtailed operation during 1948 owing to adverse economic conditions, principally higher costs and prohibitive competitive wage scales versus an unchanged official buying price for gold. A number of placer operations legally made sales of "natural" gold through well-defined channels at prices ranging from $37.50 to $43.00 a fine ounce of contained gold. The recorded production for 1948 included 6,095 fine ounces of gold contained in "natural" gold specifically reported by 13 producers as having been sold on the open market. In addition, 2,501 ounces of "natural" gold bullion was reported sold, but this quantity is not included statistically because of inadequate data. An undetermined—but believed to be small—quantity of gold bullion produced in 1948 was withheld from sale by producers pending a hoped-for rise in the official price.

Thirty dredges of the bucket-line type in operation at 22 mines recovered 70 percent (169,299 fine ounces) of the 242,802 fine ounces of placer gold produced in Alaska in 1948; 11,165,000 cubic yards of gravel averaging $0.531 a cubic yard were washed by this type of equipment. One hundred and seven nonfloating washing plants (dragline-bulldozer-hydraulic combinations by which gravel is handled mechanically) washed 26 percent (4,305,000 cubic yards) of the total

gravel mined by all placer methods (16,744,000 cubic yards) and recovered 24 percent (57,938 fine ounces) of the placer gold. Operations by which gold was recovered primarily by a hydraulic method (82) washed 1,220,000 cubic yards of gravel to produce 14,493 fine ounces of gold. No dragline dredges (dragline excavator with floating washing plant) were in operation in 1948. Small-scale hand methods accounted for 984 ounces of gold from 53,300 cubic yards of gravel at 59 properties, and 88 ounces of gold was recovered from 700 cubic yards at 4 drift mines.

Active lode-gold mining in 1948 was limited to a few relatively small scale operations. The greatest proportion of the 5,593 fine ounces of gold recovered from lode sources (2 percent of the total gold output) was from mill clean-ups at mines inoperative during 1948. Seventy-five percent of the lode gold was recovered by amalgamation, twenty-two percent from gold and lead concentrates, and three percent from gold ore (including some copper ore) shipped to smelters in the United States for treatment. Dry gold ore was the source of 87 percent of the lode gold produced, the balance being almost entirely from lead ore.

The greatest proportion of gold came from a relatively few mines; the leading 15 gold-producing mines (all placer) in 1948 yielded 71 percent of the total recorded gold output. The Fairbanks district in the Yukon River Basin region ranked first in the Territory by a wide margin with 189,143 fine ounces. The five principal producers, which accounted for 57 percent of the total Alaska output of gold, were, in order of output: United States Smelting, Refining & Mining Co., Fairbanks district (bucket-line dredges); New York-Alaska Gold Dredging Corp., Tuluksak-Aniak district (bucket-line dredges); United States Smelting, Refining & Mining Co., Nome district (bucket-line dredge); Cripple Creek Mining Co., Innoko district (dry-land dredge); and Brinker-Johnson Co., Fairbanks district (bucket-line dredge).

Fifty-five percent of the silver produced in Alaska in 1948 was a byproduct of gold mining (principally from placer operations), and thirty-eight percent came from lead ore (including a small quantity from zinc-lead and copper ores); seven percent was credited from silver ore mined before 1948, but not shipped until that year. The most important producer of silver in 1948 was the J. H. Scott Co., which recovered silver as a byproduct from lead ore produced from the Riverside mine, Hyder district, Southeastern Alaska region. The United States Smelting, Refining & Mining Co. (Fairbanks Department), which dropped from first place in 1947 to second in 1948, recovered silver as a byproduct of bucket-line gold-dredging operations in the Fairbanks district.

## ARIZONA

Arizona's production of gold and silver was greater in 1948 than in 1947, owing principally to a substantial increase in the output of copper ore, according to C. E. Needham and Paul Luff, of the United States Department of the Interior, Bureau of Mines.

The output of gold increased from 95,860 fine ounces valued at $3,355,100 in 1947 to 109,487 fine ounces valued at $3,832,045 in

1948, a gain of 14 percent. Gold from lode mines increased from 95,546 ounces in 1947 to 108,649 ounces in 1948 and that from placers from 314 ounces to 838 ounces. Copper ore yielded 84,391 ounces of gold, 77 percent of the State gold in 1948 (75,711 ounces in 1947, 79 percent); zinc-lead ore, 15,361, 14 percent (13,639 ounces in 1947, 14 percent); siliceous ores, 6,898 ounces, 6 percent (4,572 ounces in 1947, 5 percent); and lead ore and zinc-copper ore most of the remainder. Ore amalgamated furnished 46 ounces of gold; concentrates smelted, 78,047 ounces; and crude ore smelted, 30,556 ounces.

About 90 percent of the State gold in 1948 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts increased from 84,998 ounces in 1947 to 99,023 ounces in 1948. The New Cornelia mine of the Phelps Dodge Corp., Pima County, continued to be the leading gold producer in Arizona. It was followed by the Copper Queen (Bisbee) branch of the Phelps Dodge Corp., Cochise County; the Iron King mine, Yavapai County; the Magma mine, Pinal County; the Morenci branch of the Phelps Dodge Corp., Greenlee County; and the United Verde branch of the Phelps Dodge Corp. and the Verde Exploration property, Yavapai County. These seven properties, all copper mines except the Iron King and Verde Exploration, produced 90 percent of the State total gold.

The total gold production in Arizona, in terms of recovered metal, from 1860 through 1948 has been 11,073,506 ounces valued at $275,067,865.

The output of recoverable silver in Arizona in 1948 was 4,837,740 fine ounces valued at $4,378,399, an increase of 6 percent in quantity and 6 percent in value compared with the 1947 output of 4,569,084 fine ounces valued at $4,135,021. Copper ore yielded 2,814,833 ounces of silver, 58 percent of the State silver in 1948 (2,583,264 ounces in 1947, 57 percent), and zinc-lead ore 1,544,153 ounces, 32 percent (1,598,652 ounces in 1947, 35 percent); the remainder came principally from siliceous ores, lead ore, zinc-copper ore, and zinc-lead-copper ore. Silver from copper ore increased 231,569 ounces (9 percent), but that from zinc-lead ore declined 54,499 ounces (3 percent); silver from siliceous ores increased 93,999 ounces (43 percent). Concentrates smelted yielded over 68 percent of the silver recovered and virtually all the remainder came from crude ore smelted.

About 75 percent of the State total silver in 1948 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts increased from 3,484,935 ounces in 1947 to 3,635,596 ounces in 1948. The Phelps Dodge Corp. continued to be the chief silver producer in Arizona, and its output was about 100,000 ounces more than in 1947; its four properties (Copper Queen, Morenci, New Cornelia, and United Verde) produced 60 percent of the State silver in 1948. Other large silver producers were the Iron King, Magma, Flux-January-Norton, San Xavier (Eagle-Picher Mining & Smelting Co.), and Ash Peak properties.

The total silver production in Arizona, in terms of recovered metal, from 1860 through 1948 has been 302,094,238 ounces valued at $225,778,119.

## CALIFORNIA

The yield of gold from California mines in 1948 was 2 percent below the 1947 output, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines, and silver production dropped sharply in 1948, terminating a 4-year period of progressively greater output.

Lower gold production from placer mines in 1948, due principally to curtailment at bucket-line- and dragline-dredge operations, was not offset by the increased yield from lode mines. Resumption of mining in 1948 at the Old Eureka mine by the Central Eureka Mining Co. (inactive since 1942) in the Mother Lode district, Amador County, and a substantial increase in gold output from lode mines in the Grass-Valley-Nevada City district, Nevada County, were notable.

Maximum monthly output of gold for 1948—40,752 fine ounces—well above the 1947 monthly average, was attained in January. For the balance of the year no definite trend was established, and low output was 30,113 fine ounces—a figure substantially below the 1947 monthly average—in December.

The production of recoverable gold from California ores, gravels, and re-treated tailings in 1948 was 421,473 fine ounces (including a relatively small quantity in "natural gold" sold in the open market) valued at $14,751,555, compared with 431,415 fine ounces (including a quantity in "natural gold" sold comparable to the 1948 figure) valued at $15,099,525 in 1947. In 1948, 248 lode mines produced 135,917 ounces of gold valued at $4,757,095 and 195 placer mines produced 285,556 ounces of gold valued at $9,994,460. Placer mines supplied 68 percent and lode mines 32 percent of the total in 1948 compared with 72 percent and 28 percent, respectively, in 1947.

Of the gold derived from lode operations, about 99 percent was recovered from dry gold ore and the remainder from lead ore, dry gold-silver ore, zinc-lead ore, dry silver ore, zinc ore, and copper ore. Metallurgical data show that 55 percent of the lode gold in 1948 (56 percent in 1947) was recovered by amalgamation of ore and old tailings, 38 percent (31 percent in 1947) by cyanidation of ore, concentrates, and old tailings, 4 percent (9 percent in 1947) by smelting of concentrates, and 3 percent (4 percent in 1947) by smelting ore and old tailings.

The yardage of material handled at placer mines decreased 4 percent, and the output of placer gold dropped 9 percent. Lode-gold production increased 14 percent, whereas tonnage of material treated decreased 19 percent.

In the following data on placer mining, 1947 figures are given in parentheses. Floating dredges of the bucket-line type washed 94,747,200 (95,478,000) cubic yards of gravel and recovered 257,171 (271,165) ounces of gold valued at $9,000,985 ($9,490,775) or 90 (87) percent of the placer gold produced in the State in 1948. Dragline dredges—those having a floating washing plant to which gravel is delivered by a dragline excavator—washed 3,033,000 (5,718,000) cubic yards of gravel which yielded 17,029 (26,617) ounces of gold valued at $596,015 ($931,595). Nonfloating washing plants, to which gravel was delivered by mechanical means, washed 261,700 (261,000) yards of gravel and recovered 1,159 (3,916) ounces of gold valued at

$40,565 ($137,060). Hydraulic mines produced 1,784 (1,194) ounces of gold valued at $62,440 ($41,790) derived from 363,000 (332,000) yards of gravel. Drift mining accounted for 229 (224) ounces of gold valued at $8,015 ($7,840) from 14,100 (2,000) yards of gravel, and suction dredging produced 453 (485) ounces of gold valued at $15,855 ($16,975) from 83,000 (60,000) yards of gravel. Small-scale hand-operated equipment, including small sluice boxes, long toms, dip boxes, rockers, pans, and dry washers, was used in producing 7,731 (8,937) ounces of gold valued at $269,640 ($312,795).

Because of the productivity of bucket-line dredges, Sacramento County ranked first among the California gold-producing counties in 1948. Nevada County was second, the gold coming principally from lode mines. Yuba, Butte, and Siskiyou Counties, which occupied third, fourth, and fifth places, respectively, derived almost all the 1948 gold production from bucket-line dredging.

The principal gold producers in California in 1948, listed by operators in order of output were the Natomas Co., Sacramento County (dredge), Yuba Consolidated Gold Fields (Yuba unit), Yuba County (dredge), and the Idaho-Maryland Mines Corp., Nevada County (gold ore).

Production of silver from California ores, gravel and re-treated tailings in 1948 was 724,771 fine ounces valued at $655,954 compared with 1,597,442 fine ounces valued at $1,445,685 in 1947. Of the lode silver, 44 percent was derived from zinc-lead ore, nearly 29 percent from lead ore, nearly 9 percent from gold ore, about 6 percent from gold-silver ore, 5 percent from copper ore, nearly 4 percent from silver ore, and 3 percent from zinc ore. A small quantity of silver was recovered as a byproduct of dredging and other placer methods carried on principally for gold. Smelting of concentrates supplied 55 percent of the lode silver recovered in the State, smelting of ore and old tailings 38 percent, cyanidation of ore, concentrates, and old tailings 5 percent, and amalgamation of ore and old tailings 2 percent.

The principal silver producers in California in 1948, listed by operators in order of output were: Anaconda Copper Mining Co. (Darwin group), Inyo County (zinc-lead ore and lead ore), Anaconda Copper Mining Co. (Shoshone group), Inyo County (gold-silver ore and lead ore), and Foreman & Skinner, Inyo County (lead ore).

## COLORADO

The Colorado output of gold in 1948 decreased 8 percent from 1947 and was only 43 percent of the average for the 5 prewar years 1935–39, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. The high cost of labor and materials compared with the price of gold was the principal factor in the declining activity in straight gold mining; new activity in mining and exploration centered mainly in the districts producing base metals along with gold and silver. Silver production increased 18 percent over 1947 but amounted to only 45 percent of the annual average for the 1935–39 period.

The quantity of gold produced in 1948 was 154,802 fine ounces valued at $5,418,070 and that of silver 3,011,011 fine ounces valued at $2,725,117. Comparable figures for 1947 were 168,279 ounces of

gold valued at $5,889,765 and 2,557,653 ounces of silver valued at $2, 314, 676.

The decrease in gold output was due mainly to lower production from lode mines in the Cripple Creek, Animas, and Sneffels districts and placer mines in the Alma-Fairplay district which more than offset substantial increases in the Leadville, Red Cliff, and Idaho Springs districts. The foregoing seven districts and the Upper San Miguel district together produced 89 percent of the State total gold output. An important event of 1948 affecting gold mining in the Cripple Creek and several other districts was the decision of the Golden Cycle Corp. to transfer its milling operations from Colorado Springs to the Cripple Creek district and abandon the Midland Terminal Railway, which hauled ore from the district to the Golden Cycle mill. The mill continued to receive ore over the railroad to February 20, 1949. Work then began on dismantling the mill and railroad and constructing a new custom mill in the Cripple Creek district.

The only important placer-gold producers were the South Platte Dredging Co. electrically powered bucket-line dredge in Park County and the General Gold Corp. Mount Elbert placer group; worked with two dragline dredges. Placer mines contributed 9 percent of the State total gold, dry gold and silver ores 66 percent, zinc-lead ore 15 percent, and other classes of base-metal ores 10 percent.

The leading Colorado gold-producing properties in 1948, in order of rank, were: The Smuggler Union group (Telluride Mines, Inc.) at Telluride; Cresson mine at Cripple Creek; United Gold Mines Co. Portland-Vindicator group, Cripple Creek; Resurrection Mining Co. group at Leadville; and Golden Cycle Corp. Ajax mine, Cripple Creek.

The principal silver-producing districts were Upper San Miguel, Animas, Red Cliff, Creede, Ten Mile (Kokomo), Leadville, Pioneer, and Eureka, which together contributed 80 percent of the State total silver. Dry gold and silver ores yielded 41 percent of the State total silver, zinc-lead ore 33 percent, lead ore 6 percent, and other classes of base-metal ores and placers 20 percent. The leading producers of silver were the Eagle mine at Gilman; Idarado Mining Co. Treasury Tunnel-Black Bear group, San Miguel County; Shenandoah-Dives group near Silverton; Emperius group at Creede; and Kokomo unit of the American Smelting & Refining Co., Summit County.

The total production of recovered gold and silver in Colorado from 1858 through 1948 has been 39,381,024 fine ounces of gold valued at $872,212,804 and 735,995,342 fine ounces of silver valued at $572,609,918.

## IDAHO

The output of recoverable gold in Idaho decreased 10 percent from 64,982 fine ounces valued at $2,274,370 in 1947 to 58,454 fine ounces valued at $2,045,890 in 1948, according to C. E. Needham and Paul Luff, of the United States Department of the Interior, Bureau of Mines. The yield of gold from lode mines declined from 45,206 ounces in 1947 to 37,678 ounces in 1948, but that from placer properties increased from 19,776 ounces to 20,776 ounces. The loss from lode properties resulted principally from a decline in output from the Boise-Rochester-Monarch group at Atlanta and from the

Yellow Pine at Stibnite. Of the State total gold in 1948, 55 percent came from gold ore, 26 percent from bucket dredging, 9 percent from dragline dredging, and 8 percent from zinc-lead ore. Five bucket dredges and seven dragline dredges treated about 4,000,000 cubic yards of gravel in 1948 and recovered 20,244 fine ounces of gold and 5,769 fine ounces of silver.

More than 46 percent of Idaho's gold in 1948 came from a lode mine in the Yellow Pine district in Valley County. The remainder came largely from dredging operations in the Boise Basin district, Boise County; Elk City district, Idaho County; and Yankee Fork district, Custer County; and from lode operations in the Middle Boise (Atlanta) district, Elmore County; Warm Springs (Ketchum) district, Blaine County; and Coeur d'Alene region, Shoshone County. The Bradley Mining Co., operating the Yellow Pine mine at Stibnite, continued to be the leading State gold producer, although its output declined 12 percent from that in 1947. It was followed by Idaho-Canadian Dredging Co. (bucket dredge) at Idaho City, Jordan Placers, Inc. (dragline dredge) near Sunbeam, Warren Dredging Corp. (bucket dredge) near Elk City, Talache Mines, Inc. (lode) at Atlanta, Baumhoff-Marshall, Inc. (bucket dredge) near Centerville, and Triumph lode mine at Triumph. Gold recovered from ore amalgamated amounted to 1,608 ounces; from concentrates smelted, 34,863 ounces; and from crude ore smelted, 1,207 ounces.

The total production of gold in Idaho, in terms of recovered metals, from 1863 through 1948 has been 7,964,185 ounces valued at $181,885,878.

Stimulated by higher prices for lead and zinc and a steady price for silver, Idaho's silver output increased to 11,448,875 fine ounces in 1948, valued at $10,361,810, an increase of 11 percent in quantity and 11 percent in value over the output of 10,345,779 ounces valued at $9,362,930 in 1947. The State remained the largest producer of silver in the United States—a place it has held since 1933. The gain in 1948 resulted mainly from a substantial increase in output of silver ore, silver-lead ore, and zinc-lead-silver ore from mines in the Coeur d'Alene region. Of the State total silver, silver ore yielded 50 percent, zinc-lead ore and old tailings 39 percent, lead ore 8 percent, and gold ore most of the remainder. The recovery of silver from silver ore increased from 5,121,229 ounces in 1947 to 5,735,954 ounces in 1948 (12 percent), that from zinc-lead ore from 4,244,008 ounces to 4,490,618 ounces (6 percent), and that from silver-lead ore from 637,415 ounces to 939,500 ounces (47 percent). Over 98 percent of the silver produced in Idaho in 1948 was recovered from concentrates smelted.

The Coeur d'Alene region produced more than 92 percent of the State total silver in 1948; the remainder came largely from the Warm Springs, Yellow Pine, and Bayhorse districts.

Eleven mines—the Sunshine, Bunker Hill & Sullivan, Polaris, Silver Dollar, Page, Osburn tailing dump, Sherman, Triumph, Sidney, Yellow Pine, and Star—produced 81 percent of the State silver in 1948. Six properties near Kellogg, operated by the Sunshine Mining Co., produced 5,726,863 ounces of silver in 1948, or 50 percent of the State total.

The total production of silver in Idaho, in terms of recovered metal, from 1863 through 1948 has been 542,280,066 ounces valued at $378,756,733.

## MISSOURI

No mine output of gold is recorded for Missouri from 1907 through 1948, the years covered by the annual canvass of mines, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines.

Silver is recovered as a byproduct in smelting lead concentrates produced in Southeastern Missouri and in refining bullion derived from the concentrates. In the sale of the lead concentrates no value is attached to the silver, as the quantity recovered per ton of concentrates is very small. The concentrates usually contain 1 to 2 ounces of silver per ton, but a large part of the bullion obtained from the concentrates is not desilverized. In 1948 and other recent years some silver was recovered from copper concentrates made in milling lead-copper-coblat-nickel-iron ore from the Madison mine at Fredericktown, in the southern part of the Southeastern Missouri region. The Missouri mine output of recoverable silver in 1948 totaled 114,187 fine ounces valued at $103,345 compared with 93,600 ounces valued at $84,708 in 1947. The St. Joseph Lead Co. is the only substantial producer of silver in Missouri.

## MONTANA

Montana lodes in 1948 yielded 56,550 fine ounces of gold, and placers 16,541 fine ounces—a total of 73,091 ounces valued at $2,558,185—according to C. E. Needham and Paul Luff, of the Salt Lake Office of the Bureau of Mines, United States Department of the Interior. Compared with 1947, this represents a decrease of nearly 10 percent from lodes and almost 40 percent from placers, or an overall drop of 19 percent. These marked declines resulted mainly from curtailment or closing of operations at a number of lode and placer properties.

Of Montana's total gold in 1948, 40 percent was derived from gold and silver ores (38 percent in 1947), 37 percent from base-metal ores (32 percent in 1947), and 23 percent from placers (30 percent in 1947). Ores milled yielded 59 percent of the State gold, and ores shipped to smelters 18 percent.

Gold producers in Montana that contributed 2,000 ounces or more in 1948 were the properties of the Anaconda Copper Mining Co. (copper ore and waste materials and zinc-lead ore and dumps) at Butte, Porter Bros. (dredge) at Helena, Jardine mine (gold ore) at Jardine, Drumlummon mine (gold ore) at Marysville, Estelle-New Year's Gift group (copper ore) in Park County, Ruby mine (gold ore) in Phillips County, Winston Bros. (dredge) in Jefferson County, Golden Sunlight mine (gold ore) near Whitehall, H. & H. Mines (dredge) in Granite County, and U. S. Grant mine (gold-silver ore) near Virginia City. From these 10 properties came 79 percent of the State gold in 1948.

The total production of gold in Montana, in terms of recovered metal, from 1862 through 1948 has been 17,215,336 ounces valued at $386,989,972.

The output of recoverable silver in Montana in 1948 was 6,930,716 fine ounces valued at $6,272,648, which represents an increase of about 10 percent above the yield of 6,326,190 valued at $5,725,202 in 1947. The increase of 604,526 ounces was supplied principally by the Butte Hill mines and dumps of the Anaconda Copper Mining Co.; yield was greater from both copper ore and zinc-lead ore.

Zinc-lead ore supplied 63 percent of the State silver in 1948, copper ore 27, gold and silver ores 8, and lead and zinc ores together 2 percent. Ores milled yielded 91 percent of the total silver and smelting ores about 9 percent; minor sources were placers and old slag fumed.

The Butte Hill mines and dumps of the Anaconda Copper Mining Co. supplied 81 percent of the total silver in 1948, followed in order by the Emma mine at Butte and the Mike Horse mine at Flesher. These three contributed nearly 88 percent of the total silver.

The total production of silver in Montana, in terms of recovered metal, from 1862 through 1948, has been 762,406,729 ounces valued at $559,073,902.

## NEVADA

Gold production in Nevada in 1948, up 25 percent over the total for 1947, was the highest in quantity and value since 1944; and silver output, continuing the trend established the previous year, increased 30 percent in 1948, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. The higher gold output was due principally to the increased yield from lode mines and from dragline dredging. An important factor in the increased silver production was the higher output of lead and zinc, stimulated by higher average prices for the two metals. Base-metal ores accounted for 50 percent of the silver recovered in 1948.

The output of gold from Nevada ores, old tailings, and gravel in 1948 was 111,532 fine ounces valued at $3,903,620, compared with 89,063 fine ounces valued at $2,517,205 in 1947. Production of silver in 1948 was 1,790,020 fine ounces valued at $1,620,058, compared with 1,377,579 fine ounces valued at $1,246,709 in 1947.

Gold was recovered from the following sources: Dry gold ore, 42 percent; copper ore, about 33 percent; dry gold-silver ore, nearly 12 percent; placer gravel, 7 percent; lead ore, nearly 3 percent; zinc ore, about 2 percent; and all other ores, nearly 1 percent. Metallurgical data show that 48 percent of the State lode gold was recovered by cyaniding ore and old tailings, 43 percent by smelting concentrates, 5 percent by the direct smelting of ore and old tailings, and 4 percent by amalgamation of ore and old tailings.

The principal Nevada gold mines in 1948, listed by operating companies and in order of output were: Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Consolidated Goldacres Co. and London Extention Mining Co., Lander County (gold ore); Consolidated Coppermines Corp., White Pine County (copper ore); Getschell Mines, Inc., Humboldt County (gold

ore); Consolidated Chollar, Gould & Savage Mining Co., Storey County (gold-silver ore); Natomas Co., Lander County (dragline dredge); Combined Metals Reduction Co., Lincoln County (zinc, lead, and silver ores); Summit King Mines, Ltd., Churchill County (gold-silver ore); and Austin Bros. Gold Mining Co., and Red Ledge Mining Co., Humboldt County (gold ore).

Nevada lode silver was recovered from the following sources in 1948: Lead ore, about 27 percent, dry gold-silver ore, 23 percent; dry silver ore, 23 percent; zinc ore, 13 percent; copper ore, 8 percent; dry gold ore, 4 percent; zinc-lead ore, 1 percent; and all other ores, nearly 1 percent. Placer gravels washed primarily for gold yielded a small quantity of silver. The direct smelting of ore and old tailings accounted for 39 percent of the lode silver produced in Nevada in 1948, 39 percent was recovered by the smelting of concentrates, and nearly 22 percent came from cyanidation of ore and old tailings. A negligible quantity of silver was recovered by amalgamation of ore.

The principal silver mines in Nevada in 1948, listed by operating companies and in order of output were: Combined Metals Reduction Co., Lincoln County (zinc, lead, and silver ores); Summit King Mines, Ltd., Churchill County (gold-silver ore); Consolidated Chollar, Gould & Savage Mining Co., Storey County (gold-silver ore); Prince Consolidated Mining Co., Lincoln County (zinc, lead, and silver ores); Kennecott Copper Corp. (Nevada Mines Division) White Pine County (copper ore); Salt Lake Pioche Mining Co., Lincoln County (silver ore); McFarland & Hullinger, Elko County (lead ore); Knowles Bros., Elko County (gold-silver ore); and Tonopah Mining Co. of Nevada and lessees, Nye County (gold-silver ore).

## NEW MEXICO

Nearly all the New Mexico output of gold and silver in 1948 came from mines producing mainly copper, lead, or zinc, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. Gold recovered totaled 3,414 fine ounces valued at $119,490 and silver 537,674 fine ounces valued at $486,622. In 1947 the output of gold was 3,146 ounces valued at $110,110 and that of silver 515,833 ounces valued at $466,829.

In 1948 copper ore yielded 59 percent of the State total gold output, zinc ore 25 percent, lead and zinc-lead ores 10 percent, and gold and silver ores and placer gravel 6 percent. The Atwood copper mine in the Lordsburg district, Hidalgo County, was the only New Mexico producer of more than 1,000 ounces of gold. The second-largest producer was the Bayard zinc-lead mine in the Central district, Grant County. Base-metal mines in the Lordsburg and Central districts yielded 85 percent of the State total gold. Small quantities of gold or gold-silver ore (totaling 695 tons) were produced from the Malone and Osmer mines in the Burro Mountains district, the Johnny in the Pinos Altos district, and the Carlisle in the Steeple Rock district, Grant County; the Iron King in the Cochiti district, Sandoval County; the Shamrock in the San Pedro or New Placers district, Santa Fe County; and the U. S. Treasury group in the Chloride district and the Snake group in the Las Animas district, Sierra County. The Golden

placer in the San Pedro district and the Rico No. 3 in the Jicarilla district (Lincoln County) together produced 9 ounces of placer gold.

Only 735 tons of dry silver ore, yielding 2 percent of the State total output of recovered silver, were mined in New Mexico in 1948. The ore comprised small tonnages from the Barahoni group in the Organ district, Dona Ana County; the American, Lone Tree, and Rincon groups in the Eureka district, Grant and Hidalgo Counties; the Lordsburg smelter dump, Hidalgo County; the Calumet group in the Tres Hermanas district, Luna County; and the Dove in the Kingston district, Sierra County. Zinc and zinc-lead ores, mostly from the Central and Magdalena districts, yielded 63 percent of the State total silver; and copper ore, mostly from the Lordsburg district, yielded 31 percent. The principal producers of silver were the Atwood mine in the Lordsburg district, the Ground Hog and Bayard in the Central district, and the Waldo in the Magdalena district.

The total production of gold and silver in New Mexico, in terms of recovered metals, from 1848 through 1948 has been 2,189,395 fine ounces of gold valued at $49,963,018 and 68,808,238 fine ounces of silver valued at $53,898,649.

## OREGON

Production of gold in Oregon in 1948 decreased 23 percent below that of 1947 and was only 13 percent of the all-time record set in 1940, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. The decline in production was due to lower output from placer operations. Silver production was 55 percent below that of 1947, owing principally to lode mining.

The production of gold from Oregon ores and gravels was 14,611 fine ounces (includes a small quantity in "natural gold" sold on the open market) valued at $511,385 in 1948, compared with 18,979 fine ounces valued at $664,265 in 1947. Placer mines produced 86 percent of the gold, and 79 percent of the placer gold was recovered by bucket-line dredges and nonfloating washing plants (with mechanical excavators), 16 percent by dragline dredges, 3 percent by hydraulicking, and 2 percent by other methods. Lode mines produced 14 percent of the total gold and all lode gold was derived from dry and siliceous ores. Metallurgical data show that ultimate recovery of 48 percent of the total lode gold was from smelting of concentrates, 26 percent was as bullion from the amalgamation and cyanidation of ore, and 26 percent was from the direct smelting of ore. The leading Oregon gold producer in 1948 was the Baker Dredging Co., successor to Sumpter Valley Dredging Co. (bucket-line dredge), Sumpter district, Baker County.

Oregon ores and gravels in 1948 yielded 13,596 ounces of silver valued at $12,305 compared with 30,379 ounces valued at $27,493 in 1946, a decrease of 55 percent in both quantity and value. Of the State total, Grant County yielded more than four-fifths, principally from lode mining; dry gold ore was the principal source of lode silver and smelting of concentrates the principal method of recovery.

## STATES EAST OF THE MISSISSIPPI RIVER

Gold output in 1948 from mines in the States east of the Mississippi River, chiefly as a byproduct metal, totaled 2,479 ounces; and silver, all as a byproduct, totaled 101,171 ounces, according to Samuel A. Gustavson, of the United States Department of the Interior, Bureau of Mines. The value of the gold produced in 1948 (calculated at $35 per ounce) was $86,765, and the silver (calculated at $0.9050505) was valued at $91,565. The quantity and value of gold and silver produced in 1947 were respectively 1,997 fine ounces valued at $69,895 and 137,780 ounces valued at $124,691. Gold value was calculated at $35 per ounce and silver at $0.905 per ounce in 1947.

Economic conditions (relatively high labor and material costs with no change in the value of gold since 1934) continued to be unfavorable to gold mining and there was little production reported from straight gold and gold-silver lode mines in this region. The only lode-gold mines during 1948 from which production was reported (19 ounces total) were the Calhoun mine and the Brand estate, both in Georgia. The remaining gold was recovered in the course of mining for magnetite-pyrite-chalcopyrite ore from the Cornwall mine, Lebanon County, Pa.; copper ore from the Elizabeth mine, Orange County, Vt.; and copper-iron-zinc ore from the Tennessee Copper Co. mines, Polk County, Tenn. Production of gold from these States in 1948 was: Pennsylvania, 2,200 fine ounces; Tennessee, 156 fine ounces; and Vermont, 104 fine ounces.

No placer-gold production was reported in 1948 or in 1947.

Silver was recovered in 1948 as a byproduct from mines in Georgia, Illinois, New York, Pennsylvania, Tennessee, and Vermont. Georgia gold mines accounted for 3 fine ounces of silver; Illinois zinc-lead-fluorspar mines, 4,047 ounces; New York zinc-lead mines, 18,788 ounces; the Pennsylvania magnetite-pyrite-chalcopyrite mine, 13,731 ounces; Tennessee copper-zinc mines, 39,692 ounces; and the Vermont copper mine, 24,910 ounces—a total of 101,171 ounces for the region. Michigan copper producers who usually recover some silver reported no output in 1948. Considerable silver (about 10 ounces per ton of copper) in Michigan copper ores, not reported as mine production, is purposely retained in some copper bullion, and other silver is added to raise the silver content of the refined copper from 16 to 26 ounces per ton. This silver-bearing copper is desirable for the manufacture of engravers' plates and other uses.

## SOUTH DAKOTA

With economic conditions in 1948 still unfavorable for gold mining, the South Dakota output of gold decreased 7 percent from 1947 and was 63 percent of the annual average for the 5 prewar years 1937–41, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. The quantity produced in 1948 was 377,850 fine ounces valued at $13,224,750, compared with 407,194 ounces valued at $14,251,790 in 1947. Shortage of underground labor and the high cost of labor and materials compared with the price of gold continued to be the principal factors in limiting output.

The homestake mine at Lead, Lawrence County, with current productive capacity for gold exceeding that of any other mine in the United States, operated at about two-thirds of capacity in 1948. Ore treated averaged 2,457 tons daily, 7 days a week. The mine has three vertical shafts, the deepest being 4,245 feet, with an inside winze to the 5,000-foot level. The primary crushing plants are at the hoists. Other surface plants include the 180-stamp South mill (the main secondary crushing, grinding, and amalgamating plant), two cyanide plants, a slime plant, and a refinery. At the refinery silver is parted from the gold, and virtually pure metals are shipped to the Denver Mint.

The Bald Mountain mine at Trojan, an important gold producer, also operated at less than capacity. Ore treated in the all-sliming countercurrent-cyanidation plant at the mine averaged 292 tons daily for 365 days. Some gold was recovered from lead and zinc concentrates produced at the Belle Eldridge mine near Deadwood during mill test runs on ore removed in development. The Frerichs mine near Deadwood and the Golden Arrow and R. E. Nelson mines in the Hill City area of Pennington County produced a little gold.

The State output of silver in 1948 was 94,693 fine ounces valued at $85,702 compared with 111,684 ounces valued at $101,074 in 1947. Gold ore yielded 93,769 ounces of silver in 1948 and zinc-lead ore 924 ounces.

The total production of gold and silver, in terms of recovered metals, in South Dakota from 1876 through 1948 has been 21,831,345 fine ounces of gold valued at $545,694,284 and 9,894,386 fine ounces of silver valued at $7,086,834.

## TEXAS

No straight gold or silver mines were operated in Texas in 1948; the State output of gold was recovered from lead ore and the silver from lead and copper ores, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. Gold recovered totaled 57 fine ounces valued at $1,995 and silver 3,065 ounces valued at $2,774. In 1947 the output of gold was 45 ounces valued at $1,575 and silver 20,547 ounces valued at $18,595. Lead ore shipped from the R. I. Carr mines (Sullivan deposits) 7 miles west of Shafter, Presidio County, yielded all of the State output of gold and most of the silver in 1948. Other producers of ore that contained silver were the Mary Ellen mine 25 miles north of Van Horn, Culberson County; the Black Shaft and Sancho Panza mines northeast of Allamoore, Hudspeth County; and the Jones Claims (Silver Dome group) 25 miles northwest of Presidio, Presidio County.

The total Texas production of gold and silver, in terms of recovered metals, from 1885 through 1948 has been 8,392 fine ounces of gold valued at $227,665 and 33,291,975 fine ounces of silver valued at $23,436,430.

## UTAH

The mine production of gold in Utah in 1948 was 368,422 fine ounces (368,408 ounces from lodes and 14 ounces from placers), valued at $12,894,770, according to C. E. Needham and Paul Luff,

of the Salt Lake Office of the Bureau of Mines, United States Department of the Interior. Output of gold for the year was nearly 13 percent less than the 421,662 ounces produced in 1947, mainly as a result of a work stoppage at the open-pit copper mine of the Kennecott Copper Corp. in Bingham Canyon, which lasted from October 24 until February 1949. Copper ore remained the principal source of gold in 1948, contributing 85 percent of the State gold; zinc-lead ore supplied 10 percent, and other base-metal ores 1 percent; and gold and silver ores 4 percent. Two placer operations reported production. Of the State total gold, over 95 percent was recovered from concentrates smelted, and the remainder came from the smelting of crude ore.

Of the State gold in 1948, 90 percent came from the West Mountain (Bingham) district, where gold output was 13 percent less than in 1947; the Park City region, in second place, gained 12 percent; and the Tintic district, in third place, dropped 28 percent.

The leading gold producers in Utah in 1948, each with an output of more than 1,000 ounces of recoverable gold, were as follows: Utah Copper mine and the United States & Lark group, both in the West Mountain (Bingham) district; New Park Mining Co. property in the Park City region; Tintic Bullion mine, Chief Consolidated Mining Co. property, and the Eureka Lilly mine, all three in the Tintic district; Calumet mine in the Rush Valley district; Oro Del Rey mine in the Willow Springs district; old pyritic tailings of the Combined Metals Reduction Co. at Bauer; Butterfield property in the West Mountain (Bingham) district; and the Park Utah Consolidated Mines Co. property in the Park City region. These 11 properties furnished over 98 percent of the State gold in 1948.

The total production of gold in Utah, in terms of recovered metal, from 1864 through 1948 has been 11,433,062 ounces valued at $300,382,210.

The mine production of silver in Utah in 1948 was 8,045,329 fine ounces valued at $7,281,429—a gain of 3 percent in quantity and value over the 1947 output of 7,780,032 ounces valued at $7,040,929. Zinc-lead ore, zinc ore, lead ore, and zinc-lead-copper ore together furnished 57 percent of the State silver in 1948: copper ore, 33 percent; and gold and silver ores nearly 10 percent; the small remainder came principally from zinc slag fumed. Concentrates smelted accounted for 83 percent of the silver recovered in 1948 and the remainder was recovered in the smelting of crude ore.

The West Mountain (Bingham) district produced 58 percent of the State silver in 1948, but, owing to the work stoppage at the Utah Copper mine, output of the metal dropped 3 percent from 4,816,611 ounces in 1947 to 4,694,674 ounces in 1948. The Park City region produced 1,703,864 ounces (1,352,748 ounces in 1947), and the Tintic district 1,123,460 ounces (1,076,726 ounces in 1947).

State producers in 1948 that had an output of more than 100,000 ounces of recoverable silver each were as follows: Utah Copper mine, United States & Lark group, properties of the Chief Consolidated Mining Co., Silver King Coalition Mines Co., Park Utah Consolidated Mines Co., and New Park Mining Co., Calumet mine, Butterfield group, Pacific Bridge Co. property, Daly No. 1 dump, and Eureka

Lilly mine. These 11 producers supplied nearly 94 percent of the State total silver in 1948.

The total production of silver in Utah, in terms of recovered metal, from 1864 through 1948 has been 734,997,880 ounces valued at $538,408,120.

## WASHINGTON

The mine output of gold in Washington in 1948 was 70,075 fine ounces (34,965 ounces in 1947) valued at $2,452,625, according to C. E. Needham and Paul Luff, of the Salt Lake Section of the Bureau of Mines, United States Department of the Interior. Lode mines produced 70,065 ounces and placer mines 10 ounces.

Gold output in Washington in 1948 was over 100 percent greater than in 1947 and the highest since 1942. This marked gain resulted mainly from a large increase in the production of zinc-copper ore from the Holden mine of the Howe Sound Co. in Chelan County; the Knob Hill mine in second place and the Aurum group in third place, both in Ferry County, reported substantial gains. These three properties contributed all but a few ounces of the total State gold in 1948. The 10 ounces of placer gold produced came from one property. Of the State gold in 1948, 60 percent was recovered from zinc-copper ore, and most of the remainder from gold ore. Concentrates smelted counted for over 86 percent of the gold recovered, 8 percent come from crude ore smelted, and nearly 6 percent was recovered in bullion.

The total production of gold in Washington, in terms of recovered metal, from 1860 through 1948 has been 2,283,710 ounces valued at $58,685,173.

The mine output of silver in Washington in 1948 was 375,831 fine ounces valued at $340,146, an increase of 28 percent in quantity and value over the 1947 yield of 293,736 ounces valued at $265,831. All four leading silver producers in the State gained appreciably in output of the metal; the Holden mine reported an especially large increase. The Knob Hill mine (gold ore) remained in the lead, followed by the Holden mine (zinc-copper ore), the Arum group (gold ore), and the Bonanza mine (lead ore). These four producers furnished 90 percent of the State silver in 1948. Gold ore was the leading source of State silver in 1948, supplying about 48 percent, followed by zinc-copper ore with 37 percent; most of the remainder came from lead and zinc-lead ores. Nearly 84 percent of the silver produced was recovered from smelting of concentrates, over 9 percent came from crude ore smelted, and 7 percent was recovered in bullion.

The total production of silver in Washington, in terms of recovered metal, from 1860 through 1948, has been 13,499,440 ounces valued at $9,715,490.

## WYOMING

In 1948, as in 1947, the only activity reported in gold mining in Wyoming was in the South Pass district, Fremont County, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. The output of gold was 115 fine ounces valued at $4,025 compared with 1,486 ounces valued at $52,010 in 1947. Silver recovered totaled 11 fine ounces valued at $10 compared with 95 ounces valued at $86 in 1947.

Operations at the Carissa mine, which in 1947 and 1948 produced 98 percent and 94 percent, respectively, of the State total output of gold, were confined largely to development work in 1948, and the mill was not run until November. A shipment of crude ore was made to the Garfield (Utah) smelter in October. The mill had a capacity of 100 tons daily at the end of 1948 and uses the amalgamation and cyanidation processes. On September 27, 1948, a new company—Carissa Gold Mines, Inc.—was formed and took over operation of the Carissa property, succeeding Mica Mountain Mines, Inc.

A few ounces of placer gold were shipped to the Denver Mint from the Las Vegas and Gold Meadow claims.

The total production of gold and silver in Wyoming, in terms of recovered metals, from 1867 through 1948, has been 79,642 fine ounces of gold valued at $1,895,798 and 74,798 fine ounces of silver valued at $51,893.

*Distribution of gold and silver production of the United States, in fine ounces, for 1948, by sources of production (table furnished by the Bureau of Mines)*

| State | Gold | | | Silver | | |
|---|---|---|---|---|---|---|
| | Lode mines | Placer mines | | Dry and siliceous ores [1] | Lead ores [2] | Copper ores |
| | | Floating bucket-line dredges | All other | | | |
| Alaska | 5,593 | 169,299 | 73,503 | 41,859 | 25,457 | 25 |
| Arizona | 108,649 | | 838 | 312,421 | 1,710,486 | 2,814,833 |
| California | 135,917 | 257,171 | 28,385 | 154,645 | 535,510 | 34,616 |
| Colorado | 141,555 | [3] 12,479 | 768 | 1,223,546 | 1,663,588 | 123,877 |
| Georgia | 19 | | | 3 | | |
| Idaho | 37,678 | 14,969 | 5,807 | 5,992,251 | 5,454,160 | 2,464 |
| Illinois | | | | | 4,047 | |
| Michigan | | | | | | |
| Missouri | | | | | 114,187 | |
| Montana | 56,550 | 13,932 | 2,609 | 536,444 | 4,499,513 | 1,894,759 |
| Nevada | 103,354 | | 8,178 | 860,058 | 787,527 | 142,435 |
| New Mexico | 3,405 | | 9 | 14,686 | 356,970 | 166,018 |
| New York | | | | | 18,788 | |
| Oregon | 2,089 | [4] 9,842 | 2,680 | 13,596 | | |
| Pennsylvania | [5] 2,200 | | | | | [5] 13,731 |
| South Dakota | 377,850 | | | 93,769 | 924 | |
| Tennessee | 156 | | | | | 39,692 |
| Texas | 57 | | | | 2,885 | 180 |
| Utah | 368,408 | | 14 | 772,186 | 4,623,372 | 2,649,771 |
| Vermont | 104 | | | | | 24,910 |
| Washington | 70,065 | | 10 | 183,329 | 192,345 | 157 |
| Wyoming | 108 | | 7 | 11 | | |
| Total | 1,413,757 | 477,692 | 122,808 | 10,198,804 | 19,989,759 | 7,907,468 |

[1] Contains small quantity of silver from placer mines (73,153 fine ounces).
[2] Includes silver in lead, lead-copper, zinc, zinc-lead, zinc-copper, and zinc-lead-copper ores.
[3] Production by dragline dredges included with that by bucket-line dredge: Bureau of Mines not at liberty to publish separately.
[4] Production by nonfloating washing plants included with that by bucket-line dredge; Bureau of Mines not at liberty to publish separately.
[5] From copper concentrates from magnetite-pyrite-chalcopyrite ores.

# ADDENDA TO REPORT OF THE DIRECTOR OF THE MINT

# ADDENDA TO REPORT OF THE DIRECTOR OF THE MINT

*Bases Used for Mint Service Statistics*

Gold and silver, as well as minor coinage metals, are accounted for by quantity as well as by value. Most of the published mint service statistics pertaining to such metals are on a primary quantity basis rather than a primary value basis because, in some degree, the value factor antedates the quantity factor, as when advance partial payments are made on large deposits of bullion or foreign coin pending determination by melt, assay, and computation, of the exact quantities and values of the materials deposited. The *quantity basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also melted coin that has been reviewed and classified after having been received as withdrawn from monetary use. The *value basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also received bullion to the value of advance payments thereon prior to making final determinations; and received but unreviewed coin that has been withdrawn from monetary use. To effect reconciliation between the quantity basis and value basis, from period to period, would require consideration also of prior period advances.

The tabulations of "Deposits and purchases" include received metal for which payment is made in bars bearing the Government stamp, as well as that paid for by check or in cash. In these tabulations, prior to the fiscal year 1940, the receipt classification item of "Domestic refinery bullion" included that refined from new production of both domestic and foreign mines, also old or secondary source metals, with inconsiderable amounts from small refineries that worked only old materials. Beginning with the fiscal year 1940 segregation of these items has been made in the tabulations.

*Stock of domestic coin.*—Consists of an estimate made in 1873 of gold and silver coin, the former of which was revised in 1907, with annual addition of new coinage and reported imports, and deduction of withdrawn coin, reported exports, and an estimate for industrial use and general disappearance; from 1928 to 1933 the additional factor of gold coin "earmarked," or set aside for foreign owners, was considered, such transactions being equivalent to exports and releases thereof being equivalent to imports. After 1933 gold coin has been omitted as such; any unmelted gold coin on hand is treated as bullion. In 1928 minor coin was added, considering only coins of the type commonly in circulation, the amounts coined, those withdrawn for recoinage, and general disappearance. The monetary stock tables for a series of years have been revised back to the establishing of the Federal Reserve System (1914) to include earmarked gold, and to

include minor coin back to 1900. The item of coin withdrawn as used in the stock compilation omits the coin received for recoinage but not yet reviewed, which coin is subject to classification adjustments.

*Domestic coin made.*—These data cover the coin delivered from the manufacturing department to the issuing (cash) division, and include the new coin made from withdrawn old coin, as well as all other newly made coin. It is now required that all coins be delivered to the cash division during the year impressed on such coins; during the earlier years this was not always done.

*Number of gold and silver deposit transactions and assay determinations during the fiscal year 1949*

| Item | Philadelphia | San Francisco | Denver | New York | Seattle | Total |
|---|---|---|---|---|---|---|
| Deposit transactions: | | | | | | |
| Purchases | 1,697 | 5,475 | 1,050 | 3,126 | 1,013 | 12,361 |
| Transfers | 182 | | | | | 182 |
| Intermint transfers | | 29 | | 1 | 1 | 31 |
| Trust deposits | 33 | 11 | | | | 44 |
| Total | 1,912 | 5,515 | 1,050 | 3,127 | 1,014 | 12,618 |
| Deposit assay determinations: | | | | | | |
| Purchases | 2,384 | 6,884 | 1,453 | 6,851 | 1,390 | 18,962 |
| Transfers | 4,275 | | | | | 4,275 |
| Intermint transfers | | 1,156 | | 84 | 1 | 1,241 |
| Trust deposits | 1,350 | 13 | | | | 1,363 |
| Total | 8,009 | 8,053 | 1,453 | 6,935 | 1,391 | 25,841 |

*Number of gold and silver deposit transactions and assay determinations during the calendar year 1948*

| Item | Philadelphia | San Francisco | Denver | New York | Seattle | Total |
|---|---|---|---|---|---|---|
| Deposit transactions: | | | | | | |
| Purchases | 1,720 | 3,863 | 1,071 | 3,277 | 1,028 | 10,959 |
| Transfers | 181 | | | | | 181 |
| Intermint transfers | 1 | 45 | | 2 | 1 | 49 |
| Trust deposits | 11 | | | | | 11 |
| Total | 1,913 | 3,908 | 1,071 | 3,279 | 1,029 | 11,200 |
| Deposit assay determinations: | | | | | | |
| Purchases | 2,294 | 4,049 | 1,577 | 8,858 | 1,390 | 18,168 |
| Transfers | 1,708 | | | | | 1,708 |
| Intermint transfers | | 1,196 | | 135 | 1 | 1,332 |
| Trust deposits | 506 | | | | | 506 |
| Total | 4,508 | 5,245 | 1,577 | 8,993 | 1,391 | 21,714 |

*Deposits and purchases of gold during the fiscal year ended June 30, 1949*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Source and description | All institutions | Philadelphia | San Francisco | Denver | New York | Seattle |
|---|---|---|---|---|---|---|
| PRIMARY RECEIPTS | | | | | | |
| Domestic: | | | | | | |
| Newly mined—mine source: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Alaska | 252,463.170 | | 8,360.710 | 430.388 | 279.400 | 243,392.672 |
| Arizona | 930.781 | | 926.916 | | | 3.865 |
| California | 351,289.634 | 10.635 | 351,188.154 | 1.678 | | 89.167 |
| Colorado | 71,167.027 | | | 71,161.217 | | 5.810 |
| Georgia | 21.967 | 20.430 | 1.537 | | | |
| Idaho | 18,749.331 | | 1,143.620 | 4,566.992 | | 13,038.719 |
| Maryland | 5.829 | 5.829 | | | | |
| Montana | 16,193.266 | | | 10,681.142 | | 5,512.124 |
| Nevada | 62,330.904 | | 58,939.056 | 396.204 | | 2,995.644 |
| New Mexico | 36.363 | | 3.128 | 33.235 | | |
| North Carolina | 14.881 | 10.433 | | | 4.448 | |
| Oregon | 10,753.204 | | 1,527.596 | | | 9,225.608 |
| South Dakota | 16,993.437 | | | 16,993.437 | | |
| Utah | 74.244 | | | 74.244 | | |
| Washington | 1,940.335 | | | | | 1,940.335 |
| Wyoming | 158.797 | | | 158.797 | | |
| Unallocated | .545 | | | .545 | | |
| Total newly mined unrefined | 803,123.715 | 47.327 | 422,090.717 | 104,497,879 | 283.848 | 276,203.944 |
| Newly mined—domestic refinery product: | | | | | | |
| Refinery bullion (less than 0.995 fine) | 7,424.592 | | | 41.456 | | 7,383.136 |
| Refined bars (0.995 fine and over) | 511,297.359 | | 19,578.257 | 374,807.763 | 116,911.339 | |
| Total newly mined refined | 518,721.951 | | 19,578.257 | 374,849.219 | 116,911.339 | 7,383.136 |
| Total newly mined domestic | 1,321,845.666 | 47.327 | 441,668.974 | 479,347.098 | 117,195.187 | 283,587.080 |
| Other domestic: | | | | | | |
| Secondary | 161,239.544 | 46,673.195 | 13,965.839 | 29,622.017 | 67,453.964 | 3,524.529 |
| Domestic coin: | | | | | | |
| Purchased | 16.095 | 7.785 | 6.151 | .403 | 1.635 | .121 |
| Transferred from Treasury and Federal Reserve banks | 5,777.751 | 3,297.588 | 1,091.332 | 1,388.831 | | |
| Total other domestic | 167,033.390 | 49,978.568 | 15,063.322 | 31,011.251 | 67,455.599 | 3,524.650 |
| Total domestic | 1,488,879.056 | 50,025.895 | 456,732.296 | 510,358.349 | 184,650.786 | 287,111.730 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Imports: | | | | | | |
| Bullion unrefined | 4,794,484.734 | ---------- | 131,626.462 | ---------- | 4,662,554.849 | 303.423 |
| Bullion refined | 24,835,452.477 | ---------- | ---------- | ---------- | 24,835,452.477 | ---------- |
| Secondary | 45.359 | 45.359 | ---------- | ---------- | ---------- | ---------- |
| Foreign coin | 64,630.413 | 281.494 | 15.301 | 1.061 | 64,332.007 | .550 |
| Total imports | 29,694,612.983 | 326.853 | 131,641.763 | 1.061 | 29,562,339.333 | 303.973 |
| Recoveries: | | | | | | |
| Grains Receiving Division | 135.382 | 41.406 | 40.827 | 12.284 | 21.584 | 19.281 |
| Operative recoveries | 1,087.892 | ---------- | 218.343 | 49.099 | 811.192 | 9.258 |
| Total recoveries | 1,223.274 | 41.406 | 259.170 | 61.383 | 832.776 | 28.539 |
| Total primary receipts | 31,184,715.313 | 50,394.154 | 588,633.229 | 510,420.793 | 29,747,822.895 | 287,444.242 |
| REDEPOSITS | | | | | | |
| By Treasury and Federal Reserve banks | 8,696,852.710 | ---------- | ---------- | ---------- | 8,696,852.710 | ---------- |
| Total acquisitions | 39,881,568.023 | 50,394.154 | 588,633.229 | 510,420.793 | 38,444,675.605 | 287,444.242 |
| INTERMINT TRANSFERS | | | | | | |
| Refined bars | 277,478.383 | ---------- | 277,478.383 | ---------- | ---------- | ---------- |
| Unrefined bars | 43,476.598 | ---------- | ---------- | ---------- | 43,476.598 | ---------- |
| Proof bullion | 160.000 | ---------- | 100.000 | 50.000 | ---------- | 10.000 |
| Total intermint transfers | 321,114.981 | ---------- | 277,578.383 | 50.000 | 43,476.598 | 10.000 |
| Grand total fine ounces | 40,202,683.004 | 50,394.154 | 866,211.612 | 510,470.793 | 38,488,152.203 | 287,454.242 |
| VALUE | | | | | | |
| | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Purchases at $20.67+ per ounce | 11,328.06 | 864.55 | 10,100.26 | 41.53 | 190.72 | 131.00 |
| Increment to $35 per ounce | 7,851.99 | 599.48 | 7,000.74 | 28.78 | 132.19 | 90.80 |
| Purchases at $35 per ounce | 1,395,656,077.68 | 1,646,913.90 | 20,546,865.43 | 17,838,649.61 | 1,345,563,325.36 | 10,060,323.38 |
| Domestic coin transferred (melted) | 202,221.29 | 115,415.58 | 38,196.62 | 48,609.09 | ---------- | ---------- |
| Intermint transfers | 11,239,024.34 | ---------- | 9,715,243.41 | 1,750.00 | 1,521,680.93 | 350.00 |
| Total value at $35 per ounce | 1,407,116,503.36 | 1,763,793.51 | 30,317,406.46 | 17,889,079.01 | 1,347,085,329.20 | 10,060,895.18 |

## *Deposits and purchases of silver during the fiscal year ended June 30, 1949*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Source and description | All institutions | Philadelphia | San Francisco | Denver | New York | Seattle |
|---|---|---|---|---|---|---|
| PRIMARY RECEIPTS | | | | | | |
| Domestic: | | | | | | |
| Newly mined—mine source: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Alaska | 37,441.44 | | 1,397.95 | 72.82 | | 35,970.67 |
| Arizona | 151.48 | | 150.72 | | | .76 |
| California | 63,909.85 | 0.92 | 63,898.50 | .32 | | 10.11 |
| Colorado | 17,090.62 | | | 17,090.30 | | .32 |
| Georgia | 3.17 | 2.71 | .46 | | | |
| Idaho | 5,793.02 | | 503.77 | 2,452.77 | | 2,836.48 |
| Maryland | .20 | .20 | | | | |
| Montana | 9,086.54 | | | 6,707.48 | | 2,379.06 |
| Nevada | 435,530.40 | | 435,019.47 | 59.54 | | 451.39 |
| New Mexico | 107.57 | | 97.25 | 10.32 | | |
| North Carolina | .94 | .63 | | | 0.31 | |
| Oregon | 2,292.14 | | 295.25 | | | 1,996.89 |
| South Dakota | 19,363.35 | | | 19,363.35 | | |
| Utah | 26.16 | | | 26.16 | | |
| Washington | 7,281.94 | | | | | 7,281.94 |
| Wyoming | 10.15 | | | 10.15 | | |
| Unallocated | .15 | | | .15 | | |
| Total newly mined unrefined | 598,089.12 | 4.46 | 501,363.37 | 45,793.36 | .31 | 50,927.62 |
| Newly mined—domestic refinery product: | | | | | | |
| Refinery bullion (less than 0.996 fine) | 72,836.12 | | | 72,833.69 | | 2.43 |
| Refined bars (0.996 fine and over) | 35,681,249.77 | 11,999,259.93 | 23,681,989.84 | | | |
| Total newly mined refined | 35,754,085.89 | 11,999,259.93 | 23,681,989.84 | 72,833.69 | | 2.43 |
| Total newly mined | 36,352,175.01 | 11,999,264.39 | 24,183,353.21 | 118,627.05 | .31 | 50,930.05 |
| Other domestic: | | | | | | |
| Secondary | 239,027.18 | 29,885.82 | 105,526.73 | 9,093.08 | 93,282.12 | 1,239.43 |
| Domestic coin: | | | | | | |
| Purchased | 6,868.05 | 4,023.25 | 764.86 | 1,838.57 | 241.37 | |
| Transferred from Treasury and Federal Reserve banks | 1,410,819.93 | 929,822.98 | 279,122.57 | 201,874.38 | | |
| Uncurrent silver dollars melted | 181,480.87 | 71,408.56 | 56,661.97 | 53,410.34 | | |
| Total other domestic | 1,838,196.03 | 1,035,140.61 | 442,076.13 | 266,216.37 | 93,523.49 | 1,239.43 |
| Total domestic | 38,190,371.04 | 13,034,405.00 | 24,625,429.34 | 384,843.42 | 93,523.80 | 52,169.48 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Imports: | | | | | | |
| Bullion unrefined | 48,754.83 | | 40,834.89 | | 7,919.94 | |
| Bullion refined | 20,345.44 | 13.44 | | | 20,332.00 | |
| Coin | 2,357.20 | | .14 | | 2,357.06 | |
| Total imports | 71,457.47 | 13.44 | 40,835.03 | | 30,609.00 | |
| Recoveries: | | | | | | |
| Grains Receiving Division | 119.10 | 67.74 | 34.76 | 6.77 | 4.90 | 4.93 |
| Operative recoveries | 11,777.43 | 1,851.98 | 4.42 | 9,791.26 | 126.03 | 3.74 |
| Total recoveries | 11,896.53 | 1,919.72 | 39.18 | 9,798.03 | 130.93 | 8.67 |
| Total primary receipts | 38,273,725.04 | 13,036,338.16 | 24,666,303.55 | 394,641.45 | 124,263.73 | 52,178.15 |
| REDEPOSITS | | | | | | |
| By Office of Defense Plants of RFC, etc | 93,639,279.93 | 26,432,812.39 | | 29,993,268.67 | 37,213,198.87 | |
| Total acquisitions | 131,913,004.97 | 39,469,150.55 | 24,666,303.55 | 30,387,910.12 | 37,337,462.60 | 52,178.15 |
| INTERMINT TRANSFERS | | | | | | |
| Unrefined bars | 118,283.16 | | 53,277.34 | | 65,005.82 | |
| Proof bullion | 2,797.50 | | 50.00 | 200.00 | 2,547.50 | |
| Assay coin | 958.72 | 958.72 | | | | |
| Total intermint transfers | 122,039.38 | 958.72 | 53,327.34 | 200.00 | 67,553.32 | |
| DEPOSITED IN TRUST | | | | | | |
| Imported bullion | 14,836,111.21 | 13,434,852.16 | 1,401,259.05 | | | |
| Bullion from domestic refineries | 900,866.19 | 900,866.19 | | | | |
| Total deposited in trust | 15,736,977.40 | 14,335,718.35 | 1,401,259.05 | | | |
| Grand total fine ounces | 147,772,021.75 | 53,805,827.62 | 26,120,889.94 | 30,388,110.12 | 37,405,015.92 | 52,178.15 |
| VALUE | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Cost of primary receipts | 33,132,415.39 | 10,885,624.70 | 21,991,984.69 | 119,220.05 | 90,462.44 | 45,123.51 |
| Cost of bullion transferred | 79,650.48 | 1,325.35 | 45,982.61 | 145.06 | 32,197.46 | |
| Subsidiary coining value of transferred domestic coin | 1,950,329.92 | 1,285,395.49 | 385,861.50 | 279,072.93 | | |
| Subsidiary value of melted uncurrent coin | 241,740.00 | 95,293.00 | 75,446.00 | 71,001.00 | | |
| Monetary value ($1.29+ per fine ounce) of bullion transferred | 157,788.29 | 1,239.55 | 68,948.48 | 258.59 | 87,341.67 | |
| Monetary value ($1.29+ per fine ounce) of silver acquired | 169,597,006.66 | 50,308,603.83 | 31,732,194.23 | 39,214,046.90 | 48,274,699.04 | 67,462.66 |

*Deposits and purchases of gold during the calendar year 1948*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Source and description | All institutions | Philadelphia | San Francisco | Denver | New York | Seattle |
|---|---|---|---|---|---|---|
| **PRIMARY RECEIPTS** | | | | | | |
| Domestic: | | | | | | |
| Newly mined—mine source: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Alaska | 219,862.634 | 2.243 | 4,272.914 | 414.380 | 276.722 | 214,896.375 |
| Arizona | 885.020 | | 876.398 | 4.757 | | 3.865 |
| California | 362,856.345 | 10.635 | 362,815.198 | 1,678 | | 28.834 |
| Colorado | 89,967.650 | 8,415 | | 89,959.235 | | |
| Georgia | 20.763 | 19.226 | 1.537 | | | |
| Idaho | 26,509.838 | | 4,716.745 | 6,674.464 | | 15,118.629 |
| Montana | 31,147.723 | | | 19,249.610 | | 11,898.113 |
| Nevada | 51,449.371 | | 44,792,258 | 147.238 | | 6,509.875 |
| New Mexico | 38.759 | | 12.071 | 26.688 | | |
| North Carolina | 4.448 | | | | 4.448 | |
| Oregon | 13,637.992 | | 2,071.901 | 9.109 | | 11,556.982 |
| South Dakota | 17,003.993 | | | 17,003.993 | | |
| Texas | 2.919 | | | 2.919 | | |
| Utah | 23.019 | | | 23.019 | | |
| Washington | 2,983.804 | | | | | 2,983.804 |
| Wyoming | 49.122 | | | 49.122 | | |
| Unallocated | 216.397 | 215.852 | | .545 | | |
| Total newly mined unrefined | 816,659.797 | 256.371 | 419,559.022 | 133,566.757 | 281.170 | 262,996.477 |
| Newly mined—domestic refinery product: | | | | | | |
| Refinery bullion (less than 0.995 fine) | 8,044.126 | | | 41.456 | | 8,002.670 |
| Refined bars (0.995 fine and over) | 493,944.099 | | 23,567.211 | 360,786.673 | 109,590.215 | |
| Total newly mined refined | 501,988.225 | | 23,567.211 | 360,828.129 | 109,590.215 | 8,002.670 |
| Total newly mined domestic | 1,318,648.022 | 256.371 | 443,126.233 | 494,394.886 | 109,871.385 | 270,999.147 |
| Other domestic: | | | | | | |
| Secondary | 169,011.194 | 45,828.462 | 15,082.302 | 29,070.016 | 75,135.021 | 3,895.393 |
| Domestic coin: | | | | | | |
| Purchased | 15.417 | 2.769 | 3.827 | .928 | 7.623 | .270 |
| Transferred from Treasury and Federal Reserve banks | 4,843.463 | 3,055.132 | 1,142.590 | 645.741 | | |
| Total other domestic | 173,870.074 | 48,886.363 | 16,228.719 | 29,716.685 | 75,142.644 | 3,895.663 |
| Total domestic | 1,492,518.096 | 49,142.734 | 459,354.952 | 524,111.571 | 185,014.029 | 274,894.810 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Imports: | | | | | | |
| Bullion unrefined | 5,418,001.906 | | 141,827.454 | | 5,275,912.606 | 261.846 |
| Bullion refined | *39,725,540.943 | | | | *39,725,540.943 | |
| Secondary | 57.106 | 56.131 | | | | .975 |
| Foreign coin | 64,427.217 | 30.403 | .229 | 7.401 | 64,389.184 | |
| Total imports | *45,208,027.172 | 86.534 | 141,827.683 | 7.401 | *45,065,842.733 | 262.821 |
| Recoveries: | | | | | | |
| Grains Receiving Division | 156.447 | 40.752 | 51.319 | 17.882 | 25.875 | 20.619 |
| Operative recoveries | 1,340.076 | | 220.546 | 49.099 | 1,026.474 | 43.957 |
| Total recoveries | 1,496.523 | 40.752 | 271.865 | 66.981 | 1,052.349 | 64.576 |
| Total primary receipts | 46,702,041.791 | 49,270.020 | 601,454.500 | 524,185.953 | 45,251,909.111 | 275,222.207 |
| REDEPOSITS | | | | | | |
| By Treasury and Federal Reserve banks | 16,722,159.754 | | | | 16,722,159.754 | |
| Total acquisitions | 63,424,201.545 | 49,270.020 | 601,454.500 | 524,185.953 | 61,974,068.865 | 275,222.207 |
| INTERMINT TRANSFERS | | | | | | |
| Refined bars | 244,781.150 | 27,450.924 | 217,330.226 | | | |
| Unrefined bars | 412,027.483 | | 278,092.734 | | 133,934.749 | |
| Ingots | | | | | | |
| Proof bullion | 110.000 | | 100.000 | | | 10.000 |
| Total intermint transfers | 656,918.633 | 27,450.924 | 495,522.960 | | 133,934.749 | 10.000 |
| Grand total fine ounces | 64,081,120.178 | 76,720.944 | 1,096,977.460 | 524,185.953 | 62,108,003.614 | 275,232.207 |
| VALUE | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Purchases at $20.67+ per ounce | 13,719.22 | 517.24 | 10,784.41 | 189.50 | 2,148.69 | 79.38 |
| Increment to $35 per ounce | 9,267.93 | 358.53 | 7,475.18 | 131.35 | 1,247.86 | 55.01 |
| Purchases at $35 per ounce | 2,219,677,145.03 | 1,616,643.51 | 20,992,657.02 | 18,346,187.56 | 2,169,089,015.58 | 9,632,641.36 |
| Domestic coin transferred (melted) | 169,521.21 | 106,929.62 | 39,990.65 | 22,600.94 | | |
| Intermint transfers | 22,992,152.20 | 960,782.34 | 17,343,303.65 | | 4,687,716.21 | 350.00 |
| Total value at $35 per ounce | 2,242,861,805.59 | 2,685,231.24 | 38,394,210.91 | 18,369,109.35 | 2,173,780,128.34 | 9,633,125.75 |

*Includes 48.209 fine ounces of gold unallocated, not included in table entitled "Deposits of foreign gold bullion and coin during the calendar year 1948."

## *Deposits and purchases of silver during the calendar year 1948*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Source and description | All institutions | Philadelphia | San Francisco | Denver | New York | Seattle |
|---|---|---|---|---|---|---|
| PRIMARY RECEIPTS | | | | | | |
| Domestic: | | | | | | |
| Newly mined—mine source: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* |
| Alaska | 32,919.59 | 0.34 | 874.18 | 69.28 | | 31,975.79 |
| Arizona | 145.10 | | 143.98 | .36 | | .76 |
| California | 68,890.55 | .92 | 68,886.90 | .32 | | 2.41 |
| Colorado | 18,794.61 | 1.77 | | 18,792.84 | | |
| Georgia | 2.90 | 2.44 | .46 | | | |
| Idaho | 8,026.89 | | 1,845.94 | 2,865.01 | | 3,315.94 |
| Montana | 15,901.91 | | | 11,350.71 | | 4,551.20 |
| Nevada | 270,232.95 | | 369,241.93 | 20.08 | | 970.94 |
| New Mexico | 107.92 | | 99.39 | 8.53 | | |
| North Carolina | .31 | | | | 0.31 | |
| Oregon | 2,895.85 | | 412.01 | 2.03 | | 2,481.81 |
| South Dakota | 21,365.57 | | | 21,365.57 | | |
| Utah | 3.38 | | | 3.38 | | |
| Washington | 15,165.42 | | | | | 15,165.42 |
| Wyoming | 4.14 | | | 4.14 | | |
| Unallocatd | 72.65 | 72.50 | | .15 | | |
| Total newly mined unrefined | 554,529.74 | 77.97 | 441,504.79 | 54,482.40 | .31 | 58,464.27 |
| Newly mined—domestic refinery product: | | | | | | |
| Refinery bullion (less than 0.996 fine) | 4,313,214.82 | 4,241,601.82 | | 71,603.70 | | 9.30 |
| Refined bars (0.996 fine and over) | 31,973,254.34 | 6,009,093.32 | 25,933,555.54 | | 30,705.47 | |
| Total newly mined refined | 36,286,569.16 | 10,250,695.15 | 25,933,555.54 | 71,603.70 | 30,705.47 | 9.30 |
| Total newly mined | 36,841,098.90 | 10,250,773.12 | 26,375,060.33 | 126,086.10 | 30,705.78 | 58,473.57 |
| Other domestic: | | | | | | |
| Secondary | 245,856.70 | 29,576.54 | 91,301.80 | 9,166.34 | 114,430.52 | 1,381.50 |
| Domestic coin: | | | | | | |
| Purchased | 6,799.94 | 4,744.07 | 525.81 | 1,470.29 | 59.77 | |
| Transferred from Treasury and Federal Reserve banks | 1,703,722.11 | 1,229,008.47 | 254,909.76 | 219,803.88 | | |
| Uncurrent silver dollars melted | 271,124.39 | 106,408.56 | 103,384.83 | 61,331.00 | | |
| Total other domestic | 2,227,503.14 | 1,369,737.64 | 450,122.20 | 291,771.51 | 114,490.29 | 1,381.50 |
| Total domestic | 39,068,602.04 | 11,620,510.76 | 26,825,182.53 | 417,857.61 | 145,196.07 | 59,855.07 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Imports: | | | | | | |
| Bullion unrefined | 60,078.69 | | 45,870.11 | | 14,208.58 | |
| Bullion refined | 20,348.53 | 16.51 | | | 20,332.00 | .02 |
| Total imports | 80,427.22 | 16.51 | 45,870.11 | | 34,540.58 | .02 |
| Return of lend-lease silver | | | | | | |
| Recoveries: | | | | | | |
| Grains Receiving Division | 144.50 | 68.09 | 46.22 | 18.99 | 5.91 | 5.29 |
| Operative recoveries | 23,903.26 | 13,428.02 | 1.03 | 9,791.26 | 658.75 | 24.20 |
| Total recoveries | 24,047.76 | 13,496.11 | 47.25 | 9,810.25 | 664.66 | 29.49 |
| Total primary receipts | 39,173,077.02 | 11,634,023.38 | 26,871,099.89 | 427,667.86 | 180,401.31 | 59,884.58 |
| REDEPOSITS | | | | | | |
| By Office of Defense Plants of RFC, etc | 75,578,416.98 | 5,885,194.14 | | 39,267,490.87 | 30,425,731.97 | |
| Total acquisitions | 114,751,494.00 | 17,519,217.52 | 26,871,099.89 | 39,695,158.73 | 30,606,133.28 | 59,884.58 |
| INTERMINT TRANSFERS | | | | | | |
| Unrefined bars | 180,216.89 | | 101,608.92 | | 78,607.97 | |
| Proof bullion | 2,597.50 | | 50.00 | | 2,547.50 | |
| Assay coin | 1,150.28 | 1,150.28 | | | | |
| Total intermint transfers | 183,964.67 | 1,150.28 | 101,658.92 | | 81,155.47 | |
| DEPOSITED IN TRUST | | | | | | |
| Imported bullion | 3,982,685.98 | 3,982,685.98 | | | | |
| Bullion from domestic refineries | 43,245.61 | 43,245.61 | | | | |
| Foreign coin | | | | | | |
| Total deposited in trust | 4,025,931.59 | 4,025,931.59 | | | | |
| Grand total fine ounces | 118,961,390.26 | 21,546,299.39 | 26,972,758.81 | 39,695,158.73 | 30,687,288.75 | 59,884.58 |
| VALUE | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Cost of primary receipts | 93,952,421.23 | 9,449,946.45 | 23,971,152.83 | 42,011,389.02 | 18,467,597.44 | 52,335.49 |
| Cost of bullion transferred | 129,225.40 | 1,590.15 | 87,761.01 | | 39,874.24 | |
| Subsidiary coining value of transferred domestic coin | 2,355,240.46 | 1,698,992.14 | 352,389.50 | 303,858.82 | | |
| Subsidiary value of melted uncurrent dollars | 374,804.75 | 147,100.13 | 142,920.10 | 84,784.52 | | |
| Monetary value ($1.29+ per fine ounce) of bullion transferred | 237,853.32 | 1,487.23 | 131,437.80 | | 104,928.29 | |
| Monetary value ($1.29+ per fine ounce) of silver acquired | 145,812,230.90 | 20,924,509.68 | 34,279,182.56 | 50,959,545.94 | 39,571,566.19 | 77,426.53 |

*Deposits of foreign gold bullion and coin during the fiscal year ended June 30, 1949*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Country from which exported | Unrefined bullion | Refined bullion | Secondary | Coin | Total | Total value |
|---|---|---|---|---|---|---|
| North America: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Dollars* |
| Canada | 332.733 | 1,647.533 | | 64,100.998 | 66,081.264 | 2,312,844.24 |
| Mexico | 3,168.709 | 1,549,358.332 | | .832 | 1,552,527.873 | 54,338,475.56 |
| Central America: | | | | | | |
| Costa Rica | 775.591 | | 20.302 | | 795.893 | 27,856.26 |
| Guatemala | 8.443 | | | | 8.443 | 295.51 |
| Dominican Republic | 205.543 | | | | 205.543 | 7,194.01 |
| Honduras | | | 18.944 | | 18.944 | 663.04 |
| Nicaragua | 4,217.268 | | | | 4,217.268 | 147,604.38 |
| Panama | 132.391 | | 6.113 | | 138.504 | 4,847.64 |
| South America: | | | | | | |
| Argentina | 1,627,858.477 | 144,399.733 | | | 1,772,258.210 | 62,029,037.35 |
| British Guiana | 11,059.332 | | | | 11,059.332 | 387,076.62 |
| Chile | | 23,068.327 | | | 23,068.327 | 807,391.45 |
| Colombia | 300,160.956 | | | | 300,160.956 | 10,505,633.46 |
| Dutch Guiana | 16,138.603 | | | | 16,138.603 | 564,851.11 |
| French Guiana | 5,873.572 | | | | 5,873.572 | 205,575.02 |
| Europe: | | | | | | |
| Austria | | | | .108 | .108 | 3.78 |
| Belgium | 138,197.362 | 322,456.131 | | | 460,653.493 | 16,122,872.26 |
| France | 309,297.627 | | | | 309,297.627 | 10,825,416.95 |
| Great Britain | 1,812,578.496 | 9,786,012.833 | | 488.949 | 11,599,080.278 | 405,967,809.45 |
| Greece | | 15,329.331 | | | 15,329.331 | 536,526.59 |
| Germany | | | | .562 | .562 | 19.67 |
| Holland | 950.791 | 296,278.073 | | | 297,228.864 | 10,403,010.24 |
| Poland | | 28,671.806 | | | 28,671.806 | 1,003,513.21 |
| Portugal | 233,915.232 | 247,491.075 | | | 481,406.307 | 16,849,220.75 |
| Sweden | | 85,827.694 | | | 85,827.694 | 3,003,969.29 |
| Switzerland | 181,714.923 | | | .449 | 181,715.372 | 6,360,038.02 |
| Africa: | | | | | | |
| Liberia | 16,280.732 | | | | 16,280.732 | 569,825.62 |
| Union of South Africa | | 12,334,911.609 | | | 12,334,911.609 | 431,721,906.35 |
| Asia and Oceania: | | | | | | |
| Fiji | 130,205.892 | | | | 130,205.892 | 4,557,206.22 |
| India | | | | 2.337 | 2.337 | 81.80 |
| New Zealand | 1,362.565 | | | | 1,362.565 | 47,689.78 |
| Philippine Islands | 49.496 | | | | 49.496 | 1,732.36 |
| Unallocated | | | | 36.178 | 36.178 | 1,266.23 |
| Total | 4,794,484.734 | 24,835,452.477 | 45.359 | 64,630.413 | 29,694,612.983 | 1,039,311,454.22 |

*Deposits of foreign silver bullion and coin during the fiscal year 1949* [1]

[On quantity basis, see Bases Used for Mint Service Statistics]

| Country from which exported | Total [2] | Country from which exported | Total [2] |
|---|---|---|---|
| | *Fine ounces* | | *Fine ounces* |
| North America: Mexico | 827.80 | Europe: | |
| Central America: | | Great Britain | 264.11 |
| Costa Rica | 378.95 | Holland | 49.30 |
| Dominican Republic | 46.27 | Switzerland | .08 |
| Guatemala | .69 | Africa: Liberia | 255.21 |
| Honduras | 3.08 | Oceania: | |
| Nicaragua | 2,199.44 | Fiji Islands | 40,565.61 |
| Panama | 8.44 | New Zealand | 41.55 |
| South America: | | Philippine Islands | 3.79 |
| British Guiana | 1,492.89 | Unallocated | 22,689.20 |
| Colombia | 1,213.28 | | |
| Dutch Guiana | 1,058.17 | Total | 71,457.47 |
| French Guiana | 359.61 | | |

[1] In addition, silver deposited in trust for use in coinage for other governments was as follows: Imported from Mexico, 13,434,852.16 fine ounces of refined bullion.

[2] Includes 48,754.83 fine ounces unrefined; 20,345.44 fine ounces refined and 2,357.20 fine ounces coin.

*Deposits of foreign gold bullion and coin during the calendar year 1948*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Country from which exported | Unrefined bullion | Refined bullion | Secondary | Coin | Total | Total value |
|---|---|---|---|---|---|---|
| North America: | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Fine ounces* | *Dollars* |
| Canada | 291.156 | 1,210.013 | | 64,100.998 | 65,602.167 | 2,296,075.85 |
| Mexico | 3,168.709 | 1,902,677.933 | | 7.285 | 1,905,853.927 | 66,704,887.45 |
| Central America and West Indies: | | | | | | |
| Costa Rica | 746.518 | | 20.302 | | 766.820 | 26,838.70 |
| Dominican Republic | 169.177 | | | | 169.177 | 5,921.20 |
| Guatemala | 8.443 | | | | 8.443 | 295.51 |
| Honduras | 1,066.347 | | 34.071 | | 1,100.418 | 38,514.63 |
| Nicaragua | 4,217.268 | | | | 4,217.268 | 147,604.38 |
| Panama | 601.235 | | | | 601.235 | 21,043.23 |
| South America: | | | | | | |
| Argentina | 1,747,969.679 | 222,447.669 | | | 1,970,417.348 | 68,964,607.18 |
| British Guiana | 7,713.160 | | | | 7,713.160 | 269,960.60 |
| Chile | | 11,676.756 | | | 11,676.756 | 408,686.46 |
| Colombia | 442,458.762 | | | | 442,458.762 | 15,486,056.67 |
| Dutch Guiana | 16,138.603 | | | | 16,138.603 | 564,851.11 |
| Ecuador | 29.336 | | | | 29.336 | 1,026.76 |
| French Guiana | 9,146.794 | | | | 9,146.794 | 320,137.79 |
| Netherlands Guiana | 304.241 | | | | 304.241 | 10,648.44 |
| Peru | 30,497.381 | | | | 30,497.381 | 1,067,408.34 |
| Europe: | | | | | | |
| Belgium | 833,481.828 | 1,593,504.523 | | | 2,426,986.351 | 84,944,522.29 |
| Czechoslovakia | 3,750.198 | | | | 3,750.198 | 131,256.93 |
| France | 309,297.627 | | | | 309,297.627 | 10,825,416.94 |
| Great Britain | 1,265,678.704 | 19,724,259.411 | | 275.095 | 20,990,213.210 | 734,657,462.35 |
| Greece | | 187,850.049 | | | 187,850.049 | 6,574,751.72 |
| Holland | 950.791 | | | | 950.791 | 33,277.69 |
| Italy | | | .975 | | .975 | 34.13 |
| Netherlands | 281,548.247 | 370,910.176 | | | 652,458.423 | 22,836,044.81 |
| Poland | 1,121.442 | 89,837.988 | | | 90,959.430 | 3,183,580.05 |
| Portugal | 284,419.572 | 1,371,725.214 | | | 1,656,144.786 | 57,965,067.51 |
| Sweden | | 85,827.694 | | | 85,827.694 | 3,003,969.29 |
| Switzerland | | | | .449 | .449 | 15.72 |
| Africa: | | | | | | |
| Liberia | 17,468.615 | | | | 17,468.615 | 611,401.53 |
| Union of South Africa | 14,866.888 | 14,163,565.308 | | 10.788 | 14,178,442.984 | 496,245,504.44 |
| Asia and Oceania: | | | | | | |
| China | 10.164 | | | | 10.164 | 355.74 |
| Fiji | 139,261.395 | | | | 139,261.395 | 4,874,148.83 |
| India | | | | 2.337 | 2.337 | 81.80 |
| New Guinea | | | 1.758 | | 1.758 | 61.53 |
| New Zealand | 1,362.565 | | | | 1,362.565 | 47,689.78 |
| Philippine Islands | 257.061 | | | | 257.061 | 8,997.14 |
| Unallocated | | | | 30.265 | 30,265 | 1,059.28 |
| Total | 5,418,001.906 | 39,725,492.734 | 57.106 | 64,427.217 | 45,207,978.963 | 1,582,279,263.80 |

*Deposits of foreign silver bullion and coin during the calendar year 1948*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Country from which exported | Total [1] | Country from which exported | Total [1] |
|---|---|---|---|
| | *Fine ounces* | | *Fine ounces* |
| North America: Mexico | 605.40 | South America—Continued | |
| Central America: | | Netherlands Guiana | 15.83 |
| Costa Rica | 377.57 | Peru | 5,680.64 |
| Dominican Republic | 39.50 | Europe: Holland | 49.30 |
| Guatemala | .69 | Africa: Liberia | 282.21 |
| Honduras | 374.93 | Asia and Oceania: | |
| Nicaragua | 2,199.44 | China | .10 |
| Panama | 67.44 | Fiji Islands | 45,428.62 |
| South America: | | New Zealand | 41.55 |
| Argentina | 539.10 | Philippine Islands | 50.69 |
| British Guiana | 795.78 | Unallocated | 20,340.13 |
| Colombia | 1,924.18 | | |
| Dutch Guiana | 1,058.17 | Total | 80,427.22 |
| French Guiana | 555.95 | | |

[1] Includes 60,078.69 fine ounces unrefined and 20,348.53 fine ounces refined.

*Domestic coinage.*—Production of United States coins during the calendar year 1948 totaled 955,653,729 pieces with a value of $49,848,039.50. A total of 3,778 tons of metal was consumed, including 914 tons (26,663,251 fine ounces) of silver in subsidiary coins. Minor coins consumed 2,464 tons of copper, 200 tons of nickel, and 98 tons of zinc and tin. Production by each mint is shown in the table below:

*United States coinage during the calendar year 1948* [1]

| Denomination | Philadelphia | San Francisco | Denver | Total value | Total pieces |
|---|---|---|---|---|---|
| SILVER | | | | | |
| Half dollars—Regular | $1,503,407.00 | | $2,014,300.00 | $3,517,707.00 | 7,035,414 |
| Half dollars Commemorative: | | | | | |
| Booker T. Washington | 10,002.50 | $10,002.50 | 10,002.50 | 30,007.50 | 60,015 |
| Quarter dollars | 8,799,000.00 | 3,990,000.00 | 4,191,700.00 | 16,980,700.00 | 67,922,800 |
| Dimes | 7,495,000.00 | 3,552,000.00 | 5,284,100.00 | 16,331,100.00 | 163,311,000 |
| Total silver | 17,807,409.50 | 7,552,002.50 | 11,500,102.50 | 36,859,514.50 | 238,329,229 |
| MINOR | | | | | |
| 5-cent pieces (cupronickel) | 4,467,400.00 | 565,000.00 | 2,236,700.00 | 7,269,100.00 | 145,382,000 |
| 1-cent pieces (bronze) | 3,175,700.00 | 817,350.00 | 1,726,375.00 | 5,719,425.00 | 571,942,500 |
| Total minor | 7,643,100.00 | 1,382,350.00 | 3,963,075.00 | 12,988,525.00 | 717,324,500 |
| Total domestic coinage | 25,450,509.50 | 8,934,352.50 | 15,463,177.50 | 49,848,039.50 | 955,653,729 |

[1] For a summary of United States coinage from the organization of the Mint through Dec. 31, 1947, *see* the 1948 Fiscal Year Mint Report, pp. 65–99 inclusive.

*Coinage by the United States mints for other countries during the calendar year 1948*[1]

| Country and denomination | Composition | Gross weight per coin [2] | Number of pieces coined |
|---|---|---|---|
| | | *Grains* | |
| Cuba: | | | |
| 20 centavos | 900 silver–100 copper | 77.16 | 6,830,000 |
| 10 centavos | do | 38.58 | 5,120,000 |
| Total Cuba | | | 11,950,000 |
| El Salvador: 5 centavos | 70 copper–18 zinc–12 nickel | 77.16 | 3,000,000 |
| Syria: | | | |
| 50 piasters | 600 silver–400 copper | 77.16 | 3,000,000 |
| 25 piasters | do | 38.58 | 4,000,000 |
| Total Syria | | | 7,000,000 |
| Grand total | | | 21,950,000 |

[1] Cuban and Syrian coinage executed at Philadelphia. Salvadoran coinage executed at San Francisco.
[2] Gross weight of total coinage 97 short tons, including silver, copper, nickel, and zinc.

*Summary of foreign coinage by United States mints for other countries, by year, as of Dec. 31, 1948*

| Year | Number of pieces | Year | Number of pieces |
|---|---|---|---|
| 1876–77 | 12,000,000 | 1923 | 4,369,000 |
| 1883–84 | 1,950,000 | 1924 | 12,663,196 |
| 1895 | 4,500,000 | 1925 | 13,461,000 |
| 1896 | 500,000 | 1926 | 14,987,000 |
| 1898 | 3,346,714 | 1927 | 3,650,000 |
| 1899 | 906,089 | 1928 | 16,701,000 |
| 1900 | 320,000 | 1929 | 34,980,000 |
| 1901 | 225,000 | 1930 | 3,300,120 |
| 1902 | | 1931 | 4,498,020 |
| 1903 | 21,292,844 | 1932 | 9,756,096 |
| 1904 | 70,640,489 | 1933 | 15,240,000 |
| 1905 | 36,675,526 | 1934 | 24,280,000 |
| 1906 | 13,321,394 | 1935 | 109,600,850 |
| 1907 | 45,313,047 | 1936 | 32,350,000 |
| 1908 | 29,645,359 | 1937 | 26,800,000 |
| 1909 | 11,298,981 | 1938 | 48,579,644 |
| 1910 | 7,153,818 | 1939 | 15,725,000 |
| 1911 | 7,794,406 | 1940 | 33,170,000 |
| 1912 | 6,244,348 | 1941 | 208,603,500 |
| 1913 | 7,309,258 | 1942 | 307,737,000 |
| 1914 | 17,335,005 | 1943 | 186,682,000 |
| 1915 | 55,485,190 | 1944 | 788,498,000 |
| 1916 | 37,441,328 | 1945 | [r] 1,802,376,008 |
| 1917 | 25,208,497 | 1946 | 504,528,000 |
| 1918 | 60,102,000 | 1947 | 277,376,094 |
| 1919 | 100,269,195 | 1948 | 21,950,000 |
| 1920 | 99,002,334 | | |
| 1921 | 55,094,352 | Total | [1] 5,260,099,732 |
| 1922 | 7,863,030 | | |

[r] Revision.
[1] Total includes 67,156,381 planchets.

*Summary of foreign coinage by United States mints, by countries, as of Dec. 31, 1948*

| Country | Number of pieces produced | Country | Number of pieces produced |
|---|---|---|---|
| Argentina | 64,058,334 | Honduras | 22,400,000 |
| Australia | 168,000,000 | Indo China | 135,270,000 |
| Belgian Congo | 25,000,000 | Liberia | 1,312,500 |
| Belgium | 25,000,000 | Mexico | 89,076,840 |
| Bolivia | 30,000,000 | Netherlands | 562,500,000 |
| China | 9,720,096 | Netherlands East Indies | 1,716,368,000 |
| Colombia | 133,461,872 | Nicaragua | 26,080,000 |
| Costa Rica | 9,123,803 | Panama | 20,624,880 |
| Cuba | 311,559,888 | Peru | 136,045,669 |
| Curacao | 12,000,000 | Philippines | 897,782,332 |
| Dominican Republic | 23,917,803 | Poland | 6,000,000 |
| Ecuador | 214,451,060 | Saudi-Arabia | 114,712,574 |
| El Salvador | 79,695,351 | Siam | 20,000,000 |
| Ethiopia | 138,433,730 | Surinam | 21,195,000 |
| Fiji | 4,800,000 | Syria | 7,000,000 |
| France | 50,000,000 | Venezuela | 174,625,000 |
| Greenland | 100,000 | | |
| Guatemala | 7,835,000 | Total (35 countries) | 5,260,099,732 |
| Hawaii (prior to United States accession) | 1,950,000 | | |

*Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1949*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Denomination | From Treasury and Federal Reserve banks | Purchased | Total |
|---|---|---|---|
| Gold: | *Face value* | *Face value* | *Face value* |
| Double eagles | $55,000.00 | $80.00 | $55,080.00 |
| Eagles | 34,120.00 | 30.00 | 34,150.00 |
| Half eagles | 28,070.00 | 100.00 | 28,170.00 |
| $3 pieces | 15.00 | 12.00 | 27.00 |
| Quarter eagles | 2,610.00 | 35.00 | 2,645.00 |
| $1 pieces | 31.00 | 26.00 | 57.00 |
| Total gold | 119,846.00 | 283.00 | 120,129.00 |
| Total value gold at $20.67+ per ounce | | | 119,769.42 |
| Silver: | | | |
| Trade dollars | | 2.00 | 2.00 |
| Standard dollars | 241,740.00 | 926.00 | 242,666.00 |
| Half dollars | 747,270.30 | 3,357.50 | 750,627.80 |
| Quarter dollars | 764,338.25 | 4,104.50 | 768,442.75 |
| 20-cent pieces | 1.60 | | 1.60 |
| Dimes | 588,665.50 | 3,849.60 | 592,515.10 |
| Half dimes | 33.95 | | 33.95 |
| 3-cent pieces | 19.71 | | 19.71 |
| Total silver | 2,342,069.31 | 12,239.60 | 2,354,308.91 |
| Nickel: | | | |
| 5-cent pieces | 185,084.95 | 10.95 | 185,095.90 |
| 3-cent pieces | 16.08 | | 16.08 |
| 1-cent pieces | 12.49 | | 12.49 |
| Total nickel | 185,113.52 | 10.95 | 185,124.47 |
| Copper: | | | |
| 1-cent pieces | 23.87 | | 23.87 |
| ½-cent pieces | .05 | | .05 |
| Total copper | 23.92 | | 23.92 |

*Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1949*—Continued

| Denomination | From Treasury and Federal Reserve banks | Purchased | Total |
|---|---|---|---|
| Bronze and copper-zinc: | | | |
| 2-cent pieces (bronze) | $18.68 | | $18.68 |
| 1-cent piece | 128,700.12 | $270.09 | 128,970.21 |
| Total bronze and copper-zinc | 128,718.80 | 270.09 | 128,988.89 |
| Copper-silver-manganese: 5-cent pieces | 32,633.65 | | 32,633.65 |
| Zinc-coated steel: 1-cent pieces | 157,765.59 | | 157,765.59 |
| Total minor | 504,255.48 | 281.04 | 504,536.52 |
| Grand total | 2,966,170.79 | 12,803.64 | 2,978,974.43 |

SUMMARY

| | | *Weights* |
|---|---|---|
| Metal obtained from melting the above: | | |
| Gold | fine ounces | 5,793.846 |
| Silver: | | |
| Uncurrent silver dollars | do | 181,480.87 |
| All other silver coin | do | 1,418,646.70 |
| Cupro-nickel | gross ounces | 573,981.74 |
| Bronze, copper, and copper-zinc | do | 1,270,331.87 |
| Copper-silver-manganese alloy (not recoined) | do | 102,220.27 |
| Zinc-coated steel (not recoined) | do | 1,397,198.37 |

| | *Value* |
|---|---|
| Monetary value of metal obtained: | |
| Gold (at $35 per fine ounce) | $202,784.61 |
| Silver (at $1.38+ per fine ounce): | |
| Uncurrent silver dollars | 250,880.76 |
| All other silver coin | 1,961,149.75 |
| Cupro-nickel | 178,532.42 |
| Bronze, copper, and copper-zinc | 127,033.19 |
| Gain by recoinage: Uncurrent silver dollars (net) | 9,140.76 |
| Total | 2,729,521.49 |
| Loss by recoinage: | |
| Silver (except uncurrent silver dollars) | 151,419.16 |
| Cupro-nickel | 6,592.05 |
| Bronze, copper, and copper-zinc | 1,955.70 |
| Total | 159,966.91 |

*Domestic coins, including assay pieces, withdrawn from monetary use during the calendar year 1948*

[On quantity basis, see Bases Used for Mint Service Statistics]

| Denomination | From Treasury and Federal Reserve banks | Purchased | Total |
|---|---|---|---|
| Gold: | *Face value* | *Face value* | *Face value* |
| Double eagles | $54,980.00 | $80.00 | $55,060.00 |
| Eagles | 26,810.00 | 90.00 | 26,900.00 |
| Half eagles | 16,140.00 | 80.00 | 16,220.00 |
| $3 pieces | 15.00 | 3.00 | 18.00 |
| Quarter eagles | 2,477.50 | 20.00 | 2,497.50 |
| $1 pieces | 19.00 | 11.00 | 30.00 |
| Total gold | 100,441.50 | 284.00 | 100,725.50 |
| Total value gold at $20.67+per ounce | | | 100,441.96 |

*Domestic coins, including assay pieces, withdrawn from monetary use during the calendar year 1948*—Continued

| Denomination | From Treasury and Federal Reserve banks | Purchased | Total |
|---|---|---|---|
| Silver: | *Face value* | *Face value* | *Face value* |
| Trade dollars | | $2.00 | $2.00 |
| Standard dollars | $361,789.00 | 581.00 | 362,370.00 |
| Half dollars | 1,036,983.80 | 3,467.00 | 1,040,450.80 |
| Quarter dollars | 908,848.75 | 4,273.00 | 913,121.75 |
| 20-cent pieces | .40 | | .40 |
| Dimes | 592,358.40 | 4,135.10 | 596,493.50 |
| Half dimes | 24.10 | | 24.10 |
| 3-cent pieces | 6.36 | | 6.36 |
| Total silver | 2,900,010.81 | 12,458.10 | 2,912,468.91 |
| Nickel: | | | |
| 5-cent pieces | 180,897.30 | 20.20 | 180,917.50 |
| 3-cent pieces | 5.73 | | 5.73 |
| 1-cent pieces | 11.59 | | 11.59 |
| Total nickel | 180,914.62 | 20.20 | 180,934.82 |
| Copper: | | | |
| 1-cent pieces | 6.36 | | 6.36 |
| ½-cent pieces | .02 | | .02 |
| Total copper | 6.38 | | 6.38 |
| Bronze and copper-zinc: | | | |
| 2-cent pieces (bronze) | 5.12 | | 5.12 |
| 1-cent pieces | 124,219.97 | 396.10 | 124,616.07 |
| Total bronze and copper-zinc | 124,225.09 | 396.10 | 124,621.19 |
| Copper-silver-manganese: 5-cent pieces | 28,427.15 | | 28,427.15 |
| Zinc-coated steel: 1-cent pieces | 57,669.91 | | 57,669.91 |
| Total minor | 391,243.15 | 416.30 | 391,659.45 |
| Grand total | 3,391,695.46 | 13,158.40 | 3,404,853.86 |

SUMMARY

| | | |
|---|---|---|
| Metal obtained from melting the above: | | *Weights* |
| Gold | fine ounces | 4,858.880 |
| Silver: | | |
| Uncurrent silver dollars | do | 271,124.39 |
| All other silver coin | do | 1,711,672.33 |
| Cupro-nickel | gross ounces | 559,987.70 |
| Bronze, copper, and copper-zinc | do | 1,226,882.22 |
| Copper-silver-manganese alloy (not recoined) | do | 89,840.00 |
| Zinc-coated steel (not recoined) | do | 509,906.74 |
| Monetary value of metal obtained: | | *Value* |
| Gold (at $35 per fine ounce) | | $170,060.80 |
| Silver (at $1.38+per fine ounce): | | |
| Uncurrent silver dollars | | 374,804.76 |
| All other silver coin | | 2,366,230.97 |
| Cupro-nickel | | 174,179.69 |
| Bronze, copper, and copper-zinc | | 122,688.22 |
| Gain by recoinage: Uncurrent silver dollars (net) | | 13,015.77 |
| Total | | 3,220,980.21 |
| Loss by recoinage: | | |
| Silver (except uncurrent silver dollars) | | 184,448.94 |
| Cupro-nickel | | 6,755.13 |
| Bronze, copper, and copper-zinc | | 1,932.97 |
| Total | | 193,137.04 |

*Standard silver dollars (uncurrent) melted for recoinage into subsidiary coin* [1]

| Fiscal year | Face amount | Fiscal year | Face amount |
|---|---|---|---|
| 1943 | $8,080,739 | 1948 | $361,789 |
| 1944 | 44,658,194 | 1949 | 241,740 |
| 1945 | 393,881 | | |
| 1946 | 96,455 | Total | 53,899,453 |
| 1947 | 66,655 | | |

[1] The act of Dec. 18, 1942, authorized all worn and uncurrent standard silver dollars held, or thereafter received in the Treasury, to be formed into bars and used for coinage.

*Standard silver dollars (mutilated) purchased as bullion for use in the manufacture of subsidiary silver coin since 1883*

| Fiscal year | Face amount | Fiscal year | Face amount |
|---|---|---|---|
| 1883-1929 [1] | $221,149 | 1941 | $407 |
| 1930 | 1,329 | 1942 | 562 |
| 1931 | 1,193 | 1943 | 244 |
| 1932 | 442 | 1944 | 682 |
| 1933 | 513 | 1945 | 436 |
| 1934 | 504 | 1946 | 617 |
| 1935 | 649 | 1947 | 1,934 |
| 1936 | 638 | 1948 | 451 |
| 1937 | 339 | 1949 | 926 |
| 1938 | 607 | | |
| 1939 | 629 | Total | 234,617 |
| 1940 | 366 | | |

[1] For separate fiscal year data prior to 1930, see Annual Report for 1931, p. 72.

*Silver coin (including silver dollars) withdrawn from circulation for recoinage into subsidiary coin, since 1890*

| Fiscal year | Face amount [1] | Face amount of new coin producible | Loss (net) | Fiscal year | Face amount | Face amount of new coin producible | Loss (net) |
|---|---|---|---|---|---|---|---|
| 1891-1929 [2] | $128,045,738 | $121,738,081 | $6,307,657 | 1941 | $4,122,939 | $3,774,669 | $348,270 |
| 1930 | 4,347,695 | 3,944,682 | 403,013 | 1942 | 2,767,828 | 2,532,102 | 235,726 |
| 1931 | 5,487,496 | 4,997,679 | 489,817 | 1943 | 10,619,576 | 10,588,190 | 31,386 |
| 1932 | 7,482,437 | 6,825,156 | 657,281 | 1944 | 46,363,450 | 47,393,898 | +1,030,448 |
| 1933 | 8,467,446 | 7,715,023 | 752,423 | 1945 | 2,363,287 | 2,210,134 | 249,094 |
| 1934 | 7,563,736 | 6,948,272 | 615,464 | 1946 | 1,875,802 | 1,741,762 | 133,005 |
| 1935 | 8,828,214 | 8,074,032 | 754,182 | 1947 | 1,889,558 | 1,760,734 | 128,823 |
| 1936 | 7,200,195 | 6,587,520 | 612,675 | 1948 | 3,133,656 | 2,945,278 | 188,378 |
| 1937 | 6,026,887 | 5,526,508 | 500,379 | 1949 | 2,354,309 | 2,212,031 | 142,278 |
| 1938 | 5,514,687 | 5,038,320 | 476,367 | | | | |
| 1939 | 4,861,773 | 4,434,279 | 427,494 | Total | 273,847,679 | 261,128,898 | 12,813,686 |
| 1940 | 4,530,970 | 4,140,548 | 390,422 | | | | |

[1] Includes 11,111,168 standard silver dollars melted for subsidiary coin under act of Apr. 23, 1918; and 53,899,453 uncurrent standard silver dollars melted for recoinage into subsidiary coin under act of Dec. 18, 1942.

[2] For separate fiscal year data prior to 1930, see Annual Report for 1931, p. 72.

## *Minor coins outstanding*

[Series last published as of June 30, 1946]

MINOR COINS OUTSTANDING JUNE 30, 1947 [1]

| Denomination and composition | Total coined | Total withdrawn from monetary use [2] | Total outstanding [3] |
|---|---|---|---|
| Half cents, copper [4] | $39,909.11 | $2.49 | $39,906.62 |
| Cents: | | | |
| Copper | 1,562,887.44 | 383,806.68 | 1,179,080.76 |
| Nickel-copper | 2,007,720.00 | 809,247.06 | 1,198,472.94 |
| Bronze and copper-zinc | 160,187,570.98 | 2,325,356.52 | 157,862,214.46 |
| Zinc-coated steel | 10,938,386.70 | 27,843.81 | 10,910,542.89 |
| 2 cents, bronze | 912,020.00 | 344,236.56 | 567,783.44 |
| 3 cents, nickel-copper | 941,349.48 | 288,079.02 | 653,270.46 |
| 5 cents: | | | |
| Nickel-copper | 150,573,526.60 | 12,718,393.15 | 137,855,133.45 |
| Copper-silver-manganese | 43,496,185.00 | 44,197.00 | 43,451,988.00 |
| Total | 370,659,555.31 | 16,941,162.29 | 353,718,393.02 |

MINOR COINS OUTSTANDING JUNE 30, 1948 [1]

| Denomination and composition | Total coined | Total withdrawn from monetary use [2] | Total outstanding [3] |
|---|---|---|---|
| Half cents, copper [4] | $39,909.11 | $2.49 | $39,906.62 |
| Cents: | | | |
| Copper | 1,562,887.44 | 383,809.82 | 1,179,077.62 |
| Nickel-copper | 2,007,720.00 | 809,254.83 | 1,198,465.17 |
| Bronze and copper-zinc | 164,950,420.98 | 2,412,223.13 | 162,538,197.85 |
| Zinc-coated steel | 10,938,386.70 | 79,847.72 | 10,858,538.98 |
| 2 cents, bronze | 912,020.00 | 344,237.14 | 567,782.86 |
| 3 cents, nickel-copper | 941,349.48 | 288,081.24 | 653,268.24 |
| 5 cents: | | | |
| Nickel-copper | 156,786,126.60 | 12,860,757.05 | 143,925,369.55 |
| Copper-silver-manganese | 43,496,185.00 | 70,325.75 | 43,425,859.25 |
| Total | 381,635,005.31 | 17,248,539.17 | 364,386,466.14 |

MINOR COINS OUTSTANDING JUNE 30, 1949 [1]

| Denomination and composition | Total coined | Total withdrawn from monetary use [2] | Total outstanding [3] |
|---|---|---|---|
| Half cents, copper [4] | $39,909.11 | $2.54 | $39,906.57 |
| Cents: | | | |
| Copper | 1,562,887.44 | 383,833.69 | 1,179,053.75 |
| Nickel-copper | 2,007,720.00 | 809,267.32 | 1,198,452.68 |
| Bronze and copper-zinc | 169,928,420.98 | 2,541,193.34 | 167,387,227.64 |
| Zinc-coated steel | 10,938,386.70 | 237,613.31 | 10,700,773.39 |
| 2 cents, bronze | 912,020.00 | 344,255.82 | 567,764.18 |
| 3 cents, nickel-copper | 941,349.48 | 288,097.32 | 653,252.16 |
| 5 cents: | | | |
| Nickel-copper | 164,603,476.60 | 13,045,852.95 | 151,557,623.65 |
| Copper-silver-manganese | 43,496,185.00 | 102,959.40 | 43,393,225.60 |
| Total | 394,430,355.31 | 17,753,075.69 | 376,677,279.62 |

[1] Will not agree with figures in table, Stock of (minor) coin in the United States. (See Bases Used for Mint Service Statistics).

[2] Consists entirely of worn and mutilated coins unfit for circulation, returned to the mints and melted.

[3] Represents total coinage minus worn and mutilated coins returned to the mints and melted.

[4] There is no record of the earlier melting of copper half cents, but it is believed that few, if any, are now in circulation.

*Sales of Treasury silver under act of July 31, 1946, during fiscal years 1947–49* [1]

| Fiscal year— | Number of fine ounces sold |
|---|---|
| 1947 | 8, 198 |
| 1948 | 1, 728 |
| 1949 | 1, 071 |
| Total | 10, 997 |

[1] Sales made at 91 cents per fine ounce.

NOTE.—For a summary of silver receipts and issues, fiscal years 1932–46, inclusive, see Annual Report for 1946, pp. 73–79.

*Estimated stock of coins in the United States on June 30, 1949*

| Item | Silver coin | Minor coin | Total coin |
|---|---|---|---|
| Stock in the United States on July 1, 1948 | $1, 445, 399, 022 | $359, 505, 845 | $1, 804, 904, 867 |
| Coinage executed fiscal year 1949 | 38, 984, 513 | 12, 795, 350 | 51, 779, 863 |
| Exports of United States coin fiscal year 1949 (net)[1] | +383, 836 | +160, 242 | +544, 078 |
| Coin withdrawn from monetary use fiscal year 1949 | 2, 354, 309 | 504, 537 | 2, 858, 846 |
| Coin used in industrial arts, general disappearance, etc., fiscal year 1949 [2] | 100, 000 | 1, 200 | 101, 200 |
| Stock in the United States on June 30, 1949 | 1, 482, 313, 062 | 371, 955, 700 | 1, 854, 268, 762 |

[1] Partly estimated.
[2] Estimated.

*Estimated stock of coins in the United States on Dec. 31, 1948*

| Item | Silver coin | Minor coin | Total coin |
|---|---|---|---|
| Stock in the United States on Jan. 1, 1948 | $1, 435, 229, 507 | $354, 459, 247 | $1, 789, 688, 754 |
| Coinage executed calendar year 1948 | 36, 859, 515 | 12, 988, 525 | 49, 848, 040 |
| Exports of United States coin calendar year 1948 (net) [1] | +1, 403, 023 | 52, 043 | +1, 350, 980 |
| Coin withdrawn from monetary use calendar year 1948 | 2, 912, 469 | 391, 659 | 3, 304, 128 |
| Coin used in industrial arts, general disappearance, etc., calendar year 1948 [2] | 100, 000 | 1, 200 | 101, 200 |
| Stock in the United States on Dec. 31, 1948 | 1, 470, 479, 576 | 367, 002, 870 | 1, 837, 482, 446 |

[1] Partly estimated.
[2] Estimated.

*Estimated monetary stock of gold and silver in the United States and the amount per capita at the close of each fiscal year 1936–49* [1]

| Fiscal year ended June 30— | Gold bullion | Silver coin and bullion [2] | Population | Per capita | | |
|---|---|---|---|---|---|---|
| | | | | Gold | Silver | Total |
| | *Thousands* | *Thousands* | *Thousands* | | | |
| 1936 | $10, 608, 417 | $1, 587, 007 | 128, 413 | $82. 61 | $12. 36 | $94. 97 |
| 1937 | 12, 318, 271 | 1, 741, 175 | 129. 337 | 95. 24 | 13. 46 | 108. 70 |
| 1938 | 12, 962, 954 | 1, 957, 704 | 130, 085 | 99. 65 | 15. 05 | 114. 70 |
| 1939 | 16, 110, 079 | 2, 157, 476 | 131, 173 | 122. 82 | 16. 44 | 139. 26 |
| 1940 | 19, 963, 091 | 2, 302, 501 | 132, 130 | 151. 09 | 17. 43 | 168. 52 |
| 1941 | 22, 624, 197 | 2, 430, 234 | 133, 212 | 169. 84 | 18. 24 | 188. 08 |
| 1942 | 22, 736, 704 | 2, 582, 735 | 134, 474 | 169. 08 | 19. 21 | 188. 29 |
| 1943 | 22, 387, 522 | 2, 718, 711 | 136, 527 | 163. 98 | 19. 91 | 183. 89 |
| 1944 | 21, 173, 066 | 2, 748, 959 | 138, 001 | 153. 43 | 19. 92 | 173. 35 |
| 1945 | 20, 212, 973 | 2, 840, 037 | 139, 408 | 144. 99 | 20. 37 | 165. 36 |
| 1946 | 20, 269, 934 | 3, 281, 637 | 140, 987 | 143. 77 | 23. 28 | 167. 05 |
| 1947 | 21, 266, 490 | 3, 340, 031 | 144, 066 | 147. 62 | 23. 18 | 170. 80 |
| 1948 | 23, 532, 460 | 3, 400, 472 | 146, 587 | 160. 53 | 23. 20 | 183. 73 |
| 1949 | 24, 466, 324 | 3, 470, 872 | 149, 087 | 164. 11 | 23. 28 | 187. 39 |

[1] For data from 1873–1935, see Annual Report for 1944, p. 81.
[2] Includes silver bullion revalued to $1.29+ per fine troy ounce and set up as security against silver certificates; does not include bullion held at cost value by the Treasury at close of each fiscal year.

*Detailed receipts of the Bureau of the Mint for the fiscal year ended June 30, 1949*

| Item | Philadelphia Mint | San Francisco Mint | Denver Mint | New York Assay Office and West Point Bullion Depository | Seattle Assay Office | Total |
|---|---|---|---|---|---|---|
| General receipts: | | | | | | |
| Seigniorage on subsidiary silver coinage | $11,850,533.20 | $4,677,117.62 | $7,831,666.55 | | | $24,359,317.37 |
| Seigniorage on minor coinage | 5,541,239.11 | 2,081,298.04 | 3,874,744.64 | | | 11,497,281.79 |
| Seigniorage on silver bullion, difference between cost value and monetary value | 969,696.98 | 9,076,363.70 | | | | 10,046,060.68 |
| Charges on bullion deposits | 14,364.51 | 57,551.61 | 15,320.04 | $112,693.22 | $20,277.29 | 220,206.67 |
| Bar charges on bullion sales | 570.01 | 436.71 | 1,224.09 | 17,213.94 | | 19,444.75 |
| Proceeds on surplus bullion recovered | 10,227.37 | 9,366.25 | 8,234.60 | 83,614.93 | 326.65 | 111,769.80 |
| Profit on sale of silver bullion | | 474.83 | | | | 474.83 |
| Handling charges on gold purchases | 3,983.24 | 51,323.39 | 44,534.88 | 1,019,053.96 | 25,148.35 | 1,144,043.82 |
| Handling charges on gold sales | 1,812.32 | 2,666.20 | 5,890.57 | 100,131.64 | | 110,500.73 |
| Charges on sales and handling, not otherwise classified | 460.50 | | 2.70 | | | 463.20 |
| Commissions on telephone pay stations in Federal buildings outside of Washington, D. C | 128.87 | | 61.14 | | | 190.01 |
| Unclaimed funds and abandoned property, not otherwise classified | | | 10.00 | | | 10.00 |
| Fines, penalties, and forfeitures, not otherwise classified | | 2,828.77 | | 5,862.21 | | 8,690.98 |
| Sale of scrap, salvage, and waste (by products) not otherwise classified | | | 7.20 | | | 7.20 |
| Sale of stores | 1,658.50 | | | | | 1,658.50 |
| Proceeds of medals sold | 16,249.91 | | | | | 16,249.91 |
| Testing fees | 898.00 | 9.00 | 9.00 | 1,613.50 | 580.50 | 3,110.00 |
| Overhead charges on sales of services or supplies | 107.20 | | | | | 107.20 |
| Sale of scrap and salvaged surplus material | 6,952.55 | 782.43 | 2,044.80 | 630.68 | | 10,410.46 |
| Sale of equipment | 37,500.00 | | | | | 37,500.00 |
| Recoveries, jury service | | 8.00 | 34.50 | 44.75 | | 87.25 |
| Repayment, lapsed appropriations | 4,064.26 | | | | | 4,064.26 |
| Refund on empty containers | 5.00 | | | | | 5.00 |
| Recoveries and refunds, not otherwise classified | 46.55 | | 19.40 | | | 65.95 |
| Total general account receipts | 18,460,498.08 | 15,960,226.55 | 11,783,804.11 | 1,340,858.83 | 46,332.79 | 47,591,720.36 |
| Special account receipts: Increment resulting from reduction in weight of the gold dollar | 4,465.03 | 7,000.74 | 28.78 | 193.59 | 90.80 | 11,778.94 |
| Total receipts | 18,464,963.11 | 15,967,227.29 | 11,783,832.89 | 1,341,052.42 | 46,423.59 | 47,603,499.30 |

*Cash assets and liabilities of the United States Mint institutions on June 30, 1949*

ASSETS

| Institution | Gold bullion | | Silver bullion | |
|---|---|---|---|---|
| | Fine ounces | Value | Fine ounces | Value |
| Philadelphia Mint | 71,681.317 | $2,508,838.05 | 98,694,042.56 | $87,722,625.56 |
| San Francisco Mint | 13,605,873.452 | 476,205,581.57 | 539,829,992.46 | 688,280,322.94 |
| Denver Mint | 164,421,053.408 | 5,754,736,869.13 | 101,637,171.98 | 115,869,921.91 |
| New York Assay Office (including West Point Depository) | 164,238,288.068 | 5,748,340,090.06 | 326,693,758.40 | 410,084,887.50 |
| Seattle Assay Office | 27,400.117 | 959,004.19 | 5,679.67 | 4,609.46 |
| Fort Knox Depository | 356,669,010.306 | 12,483,415,360.28 | | |
| Total | 699,033,306.668 | 24,466,165,743.28 | 1,066,860,645.07 | 1,301,962,367.37 |

| Institution | Silver coin | Minor coin | Paper currency |
|---|---|---|---|
| Philadelphia Mint | $158,190,433.41 | $1,990,181.32 | |
| San Francisco Mint | 35,624,215.11 | 2,107,140.30 | $57,500.00 |
| Denver Mint | 20,703,805.82 | 1,168,842.63 | 11,900.00 |
| New York Assay Office (including West Point Depository)) | 49,078,415.86 | | 425,000.00 |
| Seattle Assay Office | | | |
| Fort Knox Depository | | | |
| Total | 263,596,870.20 | 5,266,164.25 | 494,400.00 |

| Institution | Minor coinage metal | Reimbursable losses on melted coin | Checking credit with U. S. Treasurer | Total assets |
|---|---|---|---|---|
| Philadelphia Mint | $219,726.49 | $1,231.68 | $426,124.21 | $251,059,160.72 |
| San Francisco Mint | 157,689.23 | 10,641.47 | 34,108.63 | 1,202,477,199.25 |
| Denver Mint | 142,194.24 | 87.13 | 62,756.91 | 5,892,696,377.77 |
| New York Assay Office (including West Point Depository) | | | | 6,207,928,393.42 |
| Seattle Assay Office | | | | 963,613.65 |
| Fort Knox Depository | | | | 12,483,415,360.28 |
| Total | 519,609.96 | 11,960.28 | 522,989.75 | 26,038,540,105.09 |

LIABILITIES

| Institution | Bullion fund | Minor coinage metal fund | Recoinage fund subsidiary | Recoinage fund minor | Total liabilities |
|---|---|---|---|---|---|
| Philadelphia Mint | $250, 087, 839. 71 | $625, 000. 00 | $324, 883. 83 | $21, 437. 18 | $251, 059, 160. 72 |
| San Francisco Mint | 1, 202, 057, 637. 20 | 175, 000. 00 | 223, 679. 89 | 20, 882. 16 | 1, 202, 477, 199. 25 |
| Denver Mint | 5, 892, 449, 835. 66 | 200, 000. 00 | 528. 33 | 46, 013. 78 | 5, 892, 696, 377. 77 |
| New York Assay Office (including West Point Depository) | 6, 207, 928, 393. 42 | | | | 6, 207, 928, 393. 42 |
| Seattle Assay Office | 963, 613. 65 | | | | 963, 613. 65 |
| Fort Knox Depository | 12, 483, 415, 360. 28 | | | | 12, 483, 415, 360. 28 |
| Total | 26, 036, 902, 679. 92 | 1, 000, 000. 00 | 549, 092. 05 | 88, 333. 12 | 26, 038, 540, 105. 09 |

*Cash assets and liabilities of the United States Mint institutions on Dec. 31, 1948*

ASSETS

| Institution | Gold bullion | | Silver bullion | |
|---|---|---|---|---|
| | Fine ounces | Value | Fine ounces | Value |
| Philadelphia Mint | 96,425.470 | $3,374,885.52 | 73,364,778.65 | $72,295,642.66 |
| San Francisco Mint | 13,315,329.764 | 466,036,541.71 | 529,853,632.64 | 674,661,307.70 |
| Denver Mint | 164,210,534.250 | 5,747,368,698.30 | 84,918,940.55 | 88,937,656.58 |
| New York Assay Office (including West Point Depository) | 158,361,353.915 | 5,542,647,393.63 | 305,651,050.73 | 382,937,680.05 |
| Seattle Assay Office | 25,631.237 | 897,092.55 | 5,067.89 | 3,972.77 |
| Fort Knox Depository | 356,669,010.306 | 12,483,415,360.28 | | |
| Total | 692,678,284.942 | 24,243,739,971.99 | 993,793,470.46 | 1,218,836,259.76 |

| Institution | Silver coin | Minor coin | Paper currency |
|---|---|---|---|
| Philadelphia Mint | $154,164,932.68 | $845,775.37 | |
| San Francisco Mint | 36,282,781.34 | 1,188,963.51 | $70,800.00 |
| Denver Mint | 16,259,700.36 | 247,638.46 | 4,500.00 |
| New York Assay Office (including West Point Depository) | 49,281,562.44 | | 635,687.00 |
| Seattle Assay Office | | | |
| Fort Knox Depository | | | |
| Total | 255,988,976.82 | 2,282,377.34 | 710,987.00 |

| Institution | Minor coinage metal | Reimbursable losses on melted coin | Checking credit with U. S. Treasurer | Total assets |
|---|---|---|---|---|
| Philadelphia Mint | $162,727.74 | $12,084.58 | $474,039.22 | $231,330,087.77 |
| San Francisco Mint | 141,170.49 | 6,621.50 | 42,863.13 | 1,178,431,049.38 |
| Denver Mint | 104,580.47 | 695.37 | 97,791.63 | 5,853,021,261.17 |
| New York Assay Office (including West Point Depository) | | | | 5,975,502,323.12 |
| Seattle Assay Office | | | | 901,065.32 |
| Fort Knox Depository | | | | 12,483,415,360.28 |
| Total | 408,478.70 | 19,401.45 | 614,693.98 | 25,722,601,147.04 |

LIABILITIES

| Institution | Bullion fund | Minor coinage metal fund | Recoinage fund subsidiary | Recoinage fund minor | Total liabilities |
|---|---|---|---|---|---|
| Philadelphia Mint | $230,560,618.99 | $625,000.00 | $85,871.67 | $58,597.11 | $231,330,087.77 |
| San Francisco Mint | 1,178,225,260.75 | 175,000.00 | 6,621.50 | 24,167.13 | 1,178,431,049.38 |
| Denver Mint | 5,852,656,512.24 | 200,000.00 | 68,693.37 | 96,055.56 | 5,853,021,261.17 |
| New York Assay Office (including West Point Depository) | 5,975,502,323.12 | | | | 5,975,502,323.12 |
| Seattle Assay Office | 901,065.32 | | | | 901,065.32 |
| Fort Knox Depository | 12,483,415,360.28 | | | | 12,483,415,360.28 |
| Total | 25,721,261,140.70 | 1,000,000.00 | 161,186.54 | 178,819.80 | 25,722,601,147.04 |

*Domestic coinage of each mint during the past 10 fiscal years—by denomination and number of pieces*

| Mint and denomination | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PHILADELPHIA | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 7,420,080 | 14,663,694 | 31,753,130 | 67,023,354 | 32,918,000 | 40,878,000 | 8,550,000 | 13,466,603 | 3,120,022 | 4,110,818 | 223,903,701 |
| Quarter dollars | 33,149,907 | 59,077,461 | 75,107,008 | 140,585,354 | 79,688,000 | 95,180,000 | 53,700,000 | 40,052,000 | 26,948,000 | 36,536,000 | 640,023,730 |
| Dimes | 67,340,543 | 114,015,402 | 159,180,424 | 254,009,254 | 156,430,000 | 244,130,000 | 166,910,000 | 225,450,000 | 87,700,000 | 80,720,000 | 1,555,885,623 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 151,400,300 | 202,871,278 | 158,484,400 | 216,594,600 | 161,678,000 | 108,748,100 | 140,067,000 | 122,272,000 | 98,764,000 | 82,116,000 | 1,442,995,678 |
| 1-cent pieces | 356,899,800 | 803,295,372 | 1,070,230,100 | 279,242,800 | 1,119,423,670 | 1,577,669,000 | 678,664,000 | 849,500,000 | 244,135,000 | 255,735,000 | 7,234,794,742 |
| Total | 616,210,630 | 1,193,923,207 | 1,494,755,062 | 957,455,362 | 1,550,137,670 | 2,066,605,100 | 1,047,891,000 | 1,250,740,603 | 460,667,022 | 459,217,818 | 11,097,603,474 |
| SAN FRANCISCO | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 2,792,000 | 4,766,000 | 12,152,000 | 13,376,000 | 12,158,000 | 10,702,000 | 8,196,000 | 500,279 | 120,022 | 12,004 | 64,774,305 |
| Quarter dollars | 2,628,000 | 9,640,000 | 20,744,000 | 20,684,000 | 19,476,000 | 16,036,001 | 8,392,000 | 4,204,000 | 5,532,000 | 15,960,000 | 123,296,001 |
| Dimes | 10,540,000 | **28,290,000** | 55,930,000 | 53,160,000 | 63,530,000 | 45,370,000 | 42,470,000 | 16,070,000 | 23,680,000 | 35,520,000 | 374,560,000 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 12,530,000 | 48,455,000 | 28,780,000 | 89,490,000 | 61,510,000 | 17,360,000 | 60,579,000 | 22,260,000 | 4,620,000 | 21,016,000 | 366,600,000 |
| 1-cent pieces | 64,280,000 | 96,810,000 | 147,170,000 | 71,170,000 | 418,490,000 | 83,160,000 | 135,470,000 | 232,300,000 | 118,900,000 | 55,585,000 | 1,423,335,000 |
| Total | 92,770,000 | 187,961,000 | 264,776,000 | 247,880,000 | 575,164,000 | 172,628,001 | 255,107,000 | 275,334,279 | 152,852,022 | 128,093,004 | 2,352,565,306 |
| DENVER | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 3,465,200 | 3,752,400 | 12,856,000 | 14,446,000 | 5,607,800 | 11,742,200 | 5,823,600 | 5,327,813 | 4,148,622 | 2,660,004 | 69,829,639 |
| Quarter dollars | 5,188,000 | 9,090,400 | 21,943,600 | 19,348,400 | 12,086,800 | 15,000,800 | 7,204,000 | 8,312,400 | 17,742,400 | 17,906,400 | 133,823,200 |
| Dimes | 19,395,000 | 39,380,000 | 59,670,000 | 100,471,000 | 24,462,000 | 52,151,000 | 57,583,500 | 57,947,000 | 33,394,000 | 63,685,000 | 508,138,500 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 11,702,000 | 63,902,000 | 38,820,000 | | 30,442,000 | 29,519,000 | 41,980,000 | 52,438,200 | 20,868,000 | 53,215,000 | 342,886,200 |
| 1-cent pieces | 19,360,000 | 101,340,000 | 222,070,000 | 132,498,000 | 380,740,000 | 298,488,000 | 242,538,000 | 366,385,000 | 113,250,000 | 186,480,000 | 2,063,149,000 |
| Total | 59,110,200 | 217,464,800 | 355,359,600 | 266,763,400 | 453,338,600 | 406,901,000 | 355,129,100 | 490,410,413 | 189,403,022 | 323,946,404 | 3,117,826,539 |
| ALL MINTS | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 13,677,280 | 23,182,094 | 56,761,130 | 94,845,354 | 50,683,800 | 63,322,200 | 22,569,600 | 19,294,695 | 7,388,666 | 6,782,826 | 358,507,645 |
| Quarter dollars | 40,965,907 | 77,807,861 | 117,794,608 | 180,617,754 | 111,250,800 | 126,216,801 | 69,296,000 | 52,568,400 | 50,222,400 | 70,402,400 | 897,142,931 |
| Dimes | 97,275,543 | 181,685,402 | 274,780,424 | 407,640,254 | 244,422,000 | 341,651,000 | 266,963,500 | 299,467,000 | 144,774,000 | 179,925,000 | 2,438,584,123 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 175,632,300 | 315,228,278 | 226,084,400 | 306,084,600 | 253,630,000 | 155,627,100 | 242,626,000 | 196,970,200 | 124,252,000 | 156,347,000 | 2,152,481,878 |
| 1-cent pieces | 440,539,800 | 1,001,445,372 | 1,439,470.100 | 482,910,800 | 1,918,653,670 | 1,959,317,000 | 1,056,672,000 | 1,448,185,000 | 476,285,000 | 497,800,000 | 10,721,278,742 |
| Grand total pieces | 768,090,830 | 1,599,349,007 | 2,114,890,662 | 1,472,098,762 | 2,578,640,270 | 2,646,134,101 | 1,658,127,100 | 2,016,485,295 | 802,922,066 | 911,257,226 | 16,567,995,319 |

*Domestic coinage of each mint during the past 10 fiscal years—by denomination and face value (cents rounded to nearest dollar)*

| Mint and denomination | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PHILADELPHIA** | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | $3,710,040 | $7,331,847 | $15,876,565 | $33,511,677 | $16,459,000 | $20,439,000 | $4,275,000 | $6,733,302 | $1,560,011 | $2,055,409 | $111,951,851 |
| Quarter dollars | 8,287,477 | 14,769,365 | 18,776,752 | 35,146,339 | 19,922,000 | 23,795,000 | 13,425,000 | 10,013,000 | 6,737,000 | 9,134,000 | 160,005,933 |
| Dimes | 6,734,054 | 11,401,540 | 15,918,042 | 25,400,925 | 15,643,000 | 24,413,000 | 16,691,000 | 22,545,000 | 8,770,000 | 8,072,000 | 155,588,562 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 7,570,015 | 10,143,564 | 7,924,220 | 10,829,730 | 8,083,900 | 5,437,405 | 7,003,350 | 6,113,600 | 4,938,200 | 4,105,800 | 72,149,784 |
| 1-cent pieces | 3,568,998 | 8,032,954 | 10,702,301 | 2,792,428 | 11,194,237 | 15,776,690 | 6,786,640 | 8,495,000 | 2,441,350 | 2,557,350 | 72,347,946 |
| Total | 29,870,584 | 51,679,270 | 69,197,880 | 107,681,099 | 71,302,137 | 89,861,095 | 48,180,990 | 53,899,902 | 24,446,561 | 25,924,559 | 572,044,076 |
| **SAN FRANCISCO** | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 1,396,000 | 2,383,000 | 6,076,000 | 6,688,000 | 6,079,000 | 5,351,000 | 4,098,000 | 250,139 | 60,011 | 6,002 | 32,387,153 |
| Quarter dollars | 657,000 | 2,410,000 | 5,186,000 | 5,171,000 | 4,869,000 | 4,009,000 | 2,098,000 | 1,051,000 | 1,383,000 | 3,990,000 | 30,824,000 |
| Dimes | 1,054,000 | 2,829,000 | 5,593,000 | 5,316,000 | 6,353,000 | 4,537,000 | 4,247,000 | 1,607,000 | 2,368,000 | 3,552,000 | 37,456,000 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 626,500 | 2,422,750 | 1,439,000 | 4,474,500 | 3,075,500 | 868,000 | 3,028,950 | 1,113,000 | 231,000 | 1,050,800 | 18,330,000 |
| 1-cent pieces | 642,800 | 968,100 | 1,471,700 | 711,700 | 4,184,900 | 831,600 | 1,354,700 | 2,323,000 | 1,189,000 | 555,850 | 14,233,350 |
| Total | 4,376,300 | 11,012,850 | 19,765,700 | 22,361,200 | 24,561,400 | 15,596,600 | 14,826,650 | 6,344,139 | 5,231,011 | 9,154,652 | 133,230,503 |
| **DENVER** | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 1,732,600 | 1,876,200 | 6,428,000 | 7,223,000 | 2,803,900 | 5,871,100 | 2,911,800 | 2,663,907 | 2,074,311 | 1,330,002 | 34,914,821 |
| Quarter dollars | 1,297,000 | 2,272,600 | 5,485,900 | 4,837,100 | 3,021,700 | 3,750,200 | 1,801,000 | 2,078,100 | 4,435,600 | 4,476,600 | 33,455,800 |
| Dimes | 1,939,500 | 3,938,000 | 5,967,000 | 10,047,100 | 2,446,200 | 5,215,100 | 5,758,350 | 5,794,700 | 3,339,400 | 6,368,500 | 50,813,850 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 585,100 | 3,195,100 | 1,941,000 | ---------- | 1,522,100 | 1,475,950 | 2,099,000 | 2,621,910 | 1,043,400 | 2,660,750 | 17,144,310 |
| 1-cent pieces | 193,600 | 1,013,400 | 2,220,700 | 1,324,980 | 3,807,400 | 2,984,880 | 2,425,380 | 3,663,850 | 1,132,500 | 1,864,800 | 20,631,490 |
| Total | 5,747,800 | 12,295,300 | 22,042,600 | 23,432,180 | 13,601,300 | 19,297,230 | 14,995,530 | 16,822,467 | 12,025,211 | 16,700,652 | 156,960,271 |
| **ALL MINTS** | | | | | | | | | | | |
| Silver: | | | | | | | | | | | |
| Half dollars | 6,838,640 | 11,591,047 | 28,380,565 | 47,422,677 | 25,341,900 | 31,661,100 | 11,284,800 | 9,647,348 | 3,694,333 | 3,391,413 | 179,253,824 |
| Quarter dollars | 10,241,477 | 19,451,965 | 29,448,652 | 45,154,439 | 27,812,700 | 31,554,200 | 17,324,000 | 13,142,100 | 12,555,600 | 17,600,600 | 224,285,733 |
| Dimes | 9,727,554 | 18,168,540 | 27,478,042 | 40,764,025 | 24,442,200 | 34,165,100 | 26,696,350 | 29,946,700 | 14,477,400 | 17,992,500 | 243,858,412 |
| Minor: | | | | | | | | | | | |
| 5-cent pieces | 8,781,615 | 15,761,414 | 11,304,220 | 15,304,231 | 12,681,500 | 7,781,355 | 12,131,300 | 9,848,510 | 6,212,600 | 7,817,350 | 107,624,094 |
| 1-cent pieces | 4,405,398 | 10,014,454 | 14,394,701 | 4,829,108 | 19,186,537 | 19,593,170 | 10,566,720 | 14,481,850 | 4,762,850 | 4,978,000 | 107,212,797 |
| Grand total amount | 39,994,684 | 74,987,420 | 111,006,180 | 153,474,480 | 109,464,837 | 124,754,925 | 78,003,170 | 77,066,508 | 41,702,783 | 51,779,863 | 862,234,860 |

*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined*

GOLD COINAGE [1]

| Denomination | Authorizing act | Standard weight | Standard fineness | Total coined to 1933 (May 19) | |
|---|---|---|---|---|---|
| | | *Grains* | *Thousanths* | *Pieces* | *Face amount* |
| 50 dollars commemorative, Panama-Pacific International Exposition: | | | | | |
| Octagonal | Jan. 16, 1915 | 1,290 | 900 | 1,509 | $75,450.00 |
| Round | do | 1,290 | 900 | 1,510 | 75,500.00 |
| Double eagle ($20) | Mar. 3, 1849 | 516 | 900 | 174,105,606 | 3,482,112,120.00 |
| Do | Feb. 12, 1873 | 516 | 900 | | |
| Eagle ($10) | Apr. 2, 1792 | 270 | 916⅔ | 57,683,485 | 576,834,850.00 |
| Do | June 28, 1834 | 258 | 899.225 | | |
| Do | Jan. 18, 1837 | 258 | 900 | | |
| Do | Feb. 12, 1873 | 258 | 900 | | |
| Half eagle ($5) | Apr. 2, 1792 | 135 | 916⅔ | 78,911,869 | 394,559,345.00 |
| Do | June 28, 1834 | 129 | 899.225 | | |
| Do | Jan. 18, 1837 | 129 | 900 | | |
| Do | Feb. 12, 1873 | 129 | 900 | | |
| Quarter eagle ($2.50) [2] | Apr. 2, 1792 | 67.5 | 916⅔ | 20,216,590 | 50,541,475.00 |
| Do [2] | June 28, 1834 | 64.5 | 899.225 | | |
| Do [2] | Jan. 18, 1837 | 64.5 | 900 | | |
| Do [2] | Feb. 12, 1873 | 64.5 | 900 | | |
| Quarter eagle ($2.50), commemorative: | | | | | |
| Panama-Pacific International Exposition | Jan. 16, 1915 | 64.5 | 900 | 10,017 | 25,042.50 |
| Sesquicentennial Exhibition | Mar. 3, 1925 | 64.5 | 900 | 200,226 | 500,565.00 |
| 3 dollars [3] | Feb. 21, 1853 / Feb. 12, 1873 | 77.4 | 900 | 539,792 | 1,619,376.00 |
| 1 dollar [2] | Mar. 3, 1849 / Feb. 12, 1873 | 25.8 | 900 | 19,499,337 | 19,499,337.00 |
| 1 dollar, commemorative: | | | | | |
| Louisiana Purchase Exposition | June 28, 1902 | 25.8 | 900 | 250,258 | 250,258.00 |
| Lewis and Clark Exposition | Apr. 13, 1904 | 25.8 | 900 | 60,069 | 60,069.00 |
| Panama-Pacific International Exposition | Jan. 16, 1915 | 25.8 | 900 | 25,034 | 25,034.00 |
| McKinley memorial | Feb. 23, 1916 | 25.8 | 900 | 30,040 | 30,040.00 |
| Grant memorial | Feb. 2, 1922 | 25.8 | 900 | 10,016 | 10,016.00 |
| Total gold | | | | 351,545,358 | 4,526,218,477.50 |

[1] Coinage of domestic gold coin discontinued in 1933; sec. 5 of the Gold Reserve Act of 1934 provides in part as follows:

"No gold shall hereafter be coined, and no gold coin shall hereafter be paid out or delivered by the United States * * *. All gold coin of the United States shall be withdrawn from circulation, and, together with all other gold owned by the United States, shall be formed into bars of such weights and degrees of fineness as the Secretary of the Treasury may direct."

[2] Discontinued by act of Apr. 11, 1930.

[3] Discontinued by act of Sept. 26, 1890.

*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined*—Continued

SILVER COINAGE

| Denomination | Authorizing act | Standard weight | Standard fineness | Total coined to Dec. 31, 1948 | |
|---|---|---|---|---|---|
| | | *Grains* | *Thousandths* | *Pieces* | *Face amount* |
| Dollar [1] [2] | Apr. 2, 1792 | 416 | 892.4+ | | |
| Do. [1] [2] | Jan. 18, 1837 | 412½ | 900 | | |
| Do. [2] | Feb. 28, 1878 | 412½ | 900 | | |
| Do. [2] | July 14, 1890 | 412½ | 900 | 855, 611, 127 | [2] $855,611,127.00 |
| Do. [2] | Mar. 3, 1891 | 412½ | 900 | | |
| Do. [2] | Apr. 23, 1918 | 412½ | 900 | | |
| Trade dollar [3] [4] | Feb. 12, 1873 | 420 | 900 | 35, 965, 924 | 35, 965, 924.00 |
| Dollar, commemorative: Lafayette | Mar. 3, 1899 | 412½ | 900 | 50, 026 | 50, 026.00 |
| Half dollar | Apr. 2, 1792 | 208 | 892.4+ | | |
| Do | Jan. 18, 1837 | 206¼ | 900 | | |
| Do | Feb. 21, 1853 | 192 | 900 | 874, 217, 026 | 437, 108, 513.00 |
| Do | Feb. 12, 1873 | [5] 192.9 | 900 | | |
| Half dollar, commemorative: | | | | | |
| Columbian Exposition | Aug. 5, 1892 | 192.9 | 900 | 5, 002, 105 | 2, 501, 052.50 |
| Panama-Pacific International Exposition | Jan. 16, 1915 | 192.9 | 900 | 60, 030 | 30, 015.00 |
| Illinois Centennial | June 1, 1918 | 192.9 | 900 | 100, 058 | 50, 029.00 |
| Maine Centennial | May 10, 1920 | 192.9 | 900 | 50, 028 | 25, 014.00 |
| Landing of Pilgrims, Tercentennial | May 12, 1920 | 192.9 | 900 | 300, 165 | 150, 082.50 |
| Alabama Centennial | May 10, 1920 | 192.9 | 900 | 70, 044 | 35, 022.00 |
| Missouri Centennial | Mar. 4, 1921 | 192.9 | 900 | 50, 028 | 25, 014.00 |
| Grant | Feb. 2, 1922 | 192.9 | 900 | 100, 061 | 50, 030.50 |
| Monroe Doctrine Centennial | Jan. 24, 1923 | 192.9 | 900 | 274, 077 | 137, 038.50 |
| Huguenot-Walloon | Feb. 26, 1923 | 192.9 | 900 | 142, 080 | 71, 040.00 |
| Stone Mountain | Mar. 17, 1924 | 192.9 | 900 | 2, 314, 709 | 1, 157, 354.50 |
| Battle Lexington-Concord | Jan. 14, 1925 | 192.9 | 900 | 162, 099 | 81, 049.50 |
| California Diamond Jubilee | Feb. 24, 1925 | 192.9 | 900 | 150, 200 | 75, 100.00 |
| Fort Vancouver | do | 192.9 | 900 | 50, 028 | 25, 014.00 |
| Sesquicentennial Exhibition | Mar. 3, 1925 | 192.9 | 900 | 1, 000, 528 | 500, 264.00 |
| Battle of Bennington | Feb. 24, 1925 | 192.9 | 900 | 40, 034 | 20, 017.00 |
| Oregon Trail | May 17, 1926 | 192.9 | 900 | 264, 419 | 132, 209.50 |
| Hawaiian Discovery | Mar. 7, 1928 | 192.9 | 900 | 10, 008 | 5, 004.00 |
| Texas Centennial | June 15, 1933 | 192.9 | 900 | 304, 193 | 152, 096.50 |
| Daniel Boone Bicentennial | May 26, 1934 | 192.9 | 900 | 108, 603 | 54, 301.50 |
| Maryland Tercentennial | May 9, 1934 | 192.9 | 900 | 25, 015 | 12, 507.50 |
| Arkansas Centennial | May 14, 1934 | 192.9 | 900 | 120, 166 | 60, 083.00 |
| Connecticut Tercentennial | June 21, 1934 | 192.9 | 900 | 25, 018 | 12, 509.00 |
| City of Hudson, N. Y | May 2, 1935 | 192.9 | 900 | 10, 008 | 5, 004.00 |
| Providence, R. I., Tercentennial | do | 192.9 | 900 | 50, 034 | 25, 017.00 |
| California-Pacific Exposition | May 3, 1935 | 192.9 | 900 | 430, 224 | 215, 112.00 |
| Old Spanish Trail | June 5, 1935 | 192.9 | 900 | 10, 008 | 5, 004.00 |
| Columbia, S. C., Sesquicentennial | Mar. 18, 1936 | 192.9 | 900 | 25, 023 | 12, 511.50 |
| Cincinnati, Ohio, fiftieth anniversary as music center | Mar. 31, 1936 | 192.9 | 900 | 15, 016 | 7, 508.00 |

[1] Dollar of 1792 discontinued by act of Jan. 18, 1837; dollar of 1837 discontinued by act of Feb. 12, 1873.

[2] See following:

Silver-dollar coinage:

| | | |
|---|---|---|
| Act Apr. 2, 1792: | | |
| From 1792 to 1805 | $1, 439, 517 | |
| During 1836 | 1, 000 | |
| | | $1, 440, 517 |
| Act Jan. 18, 1837: From 1839 to Feb. 12, 1873 | | 6, 590, 721 |
| Act Feb. 28, 1878 (Bland-Allison Act) | | 378, 166, 793 |
| Act July 14, 1890 (Sherman Act), to date of repeal of purchasing clause thereof | | |
| Oct. 31, 1893 | $36, 087, 285 | |
| Act Nov. 1, 1893, to June 12, 1898 | 42, 139, 872 | |
| Act June 13, 1898, war revenue bill | 108, 800, 188 | |
| | | 187, 027, 345 |
| Act Mar. 3, 1887 and 1891, trade-dollar conversion | | 5, 078, 472 |
| Act Apr. 23, 1918, Pittman Act replacement: | | |
| Old design, since Feb. 21, 1921 | $86, 730, 000 | |
| Peace dollar, since Dec. 21, 1921 | 183, 502, 722 | |
| | | 270, 232, 722 |
| Act May 12, 1933 (sec. 43), Executive proclamation, Dec. 21, 1933 | | 7, 021, 528 |
| Act June 19, 1934 (sec. 7), Executive proclamation, Aug. 9, 1934 | | 53, 029 |
| Total | | 855, 611, 127 |

[3] Coinage limited to export demand by joint resolution July 22, 1876. Redeemed $7,689,036 at face amount under act Mar. 3, 1887, converted into 5,078,472 standard dollars and $2,889,011 subsidiary silver coin.

[4] Discontinued by act of Mar. 3, 1887.

[5] 12½ grams. or 192.9 grains.

*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined*—Continued

SILVER COINAGE—Continued

| Denomination | Authorizing act | Standard weight | Standard fineness | Total coined to Dec. 31, 1948 | |
|---|---|---|---|---|---|
| | | *Grains* | *Thousandths* | *Pieces* | *Face amount* |
| Half dollar, commemorative—Con. | | | | | |
| Long Island, N. Y., Tercentennial | Apr. 13, 1936 | 192.9 | 900 | 100,053 | $50,026.50 |
| Great Lakes Exposition—Cleveland, Ohio, Centennial | May 5, 1936 | 192.9 | 900 | 50,030 | 25,015.00 |
| New Rochelle, N. Y., two hundred and fiftieth anniversary | do | 192.9 | 900 | 25,015 | 12,507.50 |
| Bridgeport, Conn., Centennial | May 15, 1936 | 192.9 | 900 | 25,015 | 12,507.50 |
| Wisconsin Centennial | do | 192.9 | 900 | 25,015 | 12,507.50 |
| Swedes' landing in Delaware, Tercentennial | do | 192.9 | 900 | 25,015 | 12,507.50 |
| Lynchburg, Va., Sesquicentennial | May 28, 1936 | 192.9 | 900 | 20,013 | 10,006.50 |
| Albany, N. Y., two hundred and fiftieth anniversary | June 16, 1936 | 192.9 | 900 | 25,013 | 12,506.50 |
| Elgin, Ill. Centennial | do | 192.9 | 900 | 25,015 | 12,507.50 |
| Battle of Gettysburg, seventy-fifth anniversary | do | 192.9 | 900 | 50,028 | 25,014.00 |
| Roanoke Island, N. C., three-hundred and fiftieth anniversary | June 24, 1936 | 192.9 | 900 | 50,030 | 25,015.00 |
| San Francisco - Oakland Bay Bridge | June 26, 1936 | 192.9 | 900 | 100,055 | 50,027.50 |
| York County, Maine Tercentennial | do | 192.9 | 900 | 25,015 | 12,507.50 |
| Battle of Antietam, seventy-fifth anniversary | June 24, 1937 | 192.9 | 900 | 50,028 | 25,014.00 |
| Norfolk, Va., Tercentennial of land grant and bicentennial of city | June 28, 1937 | 192.9 | 900 | 25,013 | 12,506.50 |
| Iowa Centennial | Aug. 7, 1946 | 192.9 | 900 | 100,057 | 50,028.50 |
| Booker T. Washington | do | 192.9 | 900 | 2,061,004 | 1,030,502.00 |
| Quarter dollar | Apr. 2, 1792 | 104 | 892.4 | 1,722,301,469 | 430,575,367.25 |
| Do | Jan. 18, 1837 | 103⅛ | 900 | | |
| Do | Feb. 21, 1853 | 96 | 900 | | |
| Do | Feb. 12, 1873 | [6] 96.45 | 900 | | |
| Quarter dollar, commemorative: Columbian Exposition | Mar. 3, 1893 | 96.45 | 900 | 40,023 | 10,005.75 |
| 20 cents [7] | Mar. 3, 1875 | [8] 77.16 | 900 | 1,355,000 | 271,000.00 |
| Dime | Apr. 2, 1792 | 41.6 | 892.4 | 4,151,699,945 | 415,169,994.50 |
| Do | Jan. 18, 1837 | 41¼ | 900 | | |
| Do | Feb. 21, 1853 | 38.4 | 900 | | |
| Do | Feb. 12, 1873 | [9] 38.58 | 900 | | |
| Half dime [10] | Apr. 2, 1792 | 20.8 | 892.4 | 97,604,388 | 4,880,219.40 |
| Do.[10] | Jan. 18, 1837 | 20⅝ | 900 | | |
| Do.[10] | Feb. 21, 1853 | 19.2 | 900 | | |
| 3 cents [10] | Mar. 3, 1851 | 12⅜ | 750 | 42,736,240 | 1,282,087.20 |
| Do.[10] | Mar. 3, 1853 | 11.52 | 900 | | |
| Total silver | | | | 7,795,626,591 | 2,187,946,975.60 |

[6] 6¼ grams, or 96.45 grains.
[7] Discontinued by act of May 2, 1878.
[8] 5 grams, or 77.16 grains.
[9] 2½ grams, or 38.58 grains.
[10] Discontinued by act of Feb. 12, 1873.

*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined*—Continued

MINOR COINAGE

| Denomination | Authorizing act | Standard weight | Standard composition [1] | Total coined to Dec. 31, 1948 | |
|---|---|---|---|---|---|
| | | *Grains* | | *Pieces* | *Face amount* |
| 5 cents (nickel) | May 16, 1866 | 77.16 | | 3,249,348,532 | $162,467,426.60 |
| Do | Feb. 12, 1873 | | | | |
| 5 cents (silver) | [2] | 77.16 | | 869,923,700 | 43,496,185.00 |
| 3 cents (nickel) [3] | Mar. 3, 1865 | 30 | | 31,378,316 | 941,349.48 |
| Do.[3] | Feb. 12, 1873 | | | | |
| 2 cents (bronze) [4] | Apr. 22, 1864 | 96 | | 45,601,000 | 912,020.00 |
| Cent (copper) | Apr. 2, 1792 | 264 | | 156,288,744 | 1,562,887.44 |
| Do | Jan. 14, 1793 | 208 | | | |
| Do | [5] Jan. 26, 1796 | 186 | | | |
| Do.[6] | Jan. 18, 1837 | 168 | | | |
| Cent (nickel) [7] | Feb. 21, 1857 | 72 | | 200,772,000 | 2,007,720.00 |
| Cent (bronze) | Apr. 22, 1864 | 48 | | 11,590,863,598 | 115,908,635.98 |
| Do | Feb. 12, 1873 | | | | |
| Cent (zinc-steel) | [8] | 41.5 | | 1,093,838,670 | 10,938,386.70 |
| Do | [8] | 42.5 | | | |
| Cent (copper-zinc) | [9] | 48 | | 5,102,736,000 | 51,027,360.00 |
| Half cent (copper) | Apr. 2, 1792 | 132 | | 7,981,822 | 39,909.11 |
| Do | Jan. 14, 1793 | 104 | | | |
| Do | [5] Jan. 25, 1796 | 84 | | | |
| Do.[6] | Jan. 18, 1837 | 84 | | | |
| Total minor | | | | 22,348,732,382 | 389,301,880.31 |
| Grand total gold, silver, and minor | | | | 30,495,904,331 | 7,103,467,333.41 |

[1] *Composition—percent:*
5 and 3 cents (nickel)—copper, 75; nickel, 25.
5 cents (silver)—copper, 56; silver, 35; manganese, 9.
2 and 1 cent (bronze)—copper, 95; tin and zinc, 5.
1 and ½ cent (copper)—pure copper.
1 cent (nickel)—copper, 88; nickel, 12.
1 cent (zinc-steel)—steel, with obverse and reverse sides covered with a coating of not to exceed 0.001 inch zinc.
1 cent (copper-zinc)—copper 95; zinc 5.

[2] 5 cents (silver) coined, under provisions of act of Mar. 27, 1942, as amended by act of Dec. 28, 1945, from Oct. 1, 1942, until expiration of authority Dec. 31, 1945.
[3] 3-cents (nickel) discontinued by act of Sept. 26, 1890.
[4] 2-cents (bronze) discontinued by act of Feb. 12, 1873.
[5] Proclamation of the President in conformity with act of Mar. 3, 1795.
[6] Copper cent and half cent discontinued by act of Feb. 21, 1857.
[7] Nickel cent discontinued by act of Apr. 22, 1864.
[8] Zinc-steel cent coined, by orders of Secretary of the Treasury dated Dec. 23, 1942, and May 15, 1943, pursuant to act of Dec. 18, 1942, during calendar year 1943.
[9] Copper-zinc cent coined, by order of Secretary of the Treasury of Dec. 16, 1943, pursuant to act of Dec. 18, 1942, from Jan. 1944 until expiration of authority Dec. 31, 1946.

*Price of silver in London 1948–49* [1]

| Month | London price per ounce 0.999 fine [2] | | | Average monthly pound sterling exchange New York on London [3] | United States equivalent of average monthly London price per ounce 0.999 fine |
|---|---|---|---|---|---|
| | Highest | Lowest | Average | | |
| *1948* | *Pence* | *Pence* | *Pence* | *Dollars* | *Dollars* |
| January | 45 | 45 | 45.0000 | 4.0307 | 0.75576 |
| February | 45 | 45 | 45.0000 | 4.0311 | .75583 |
| March | 45 | 45 | 45.0000 | 4.0313 | .75587 |
| April | 45 | 45 | 45.0000 | 4.0315 | .75591 |
| May | 45 | 45 | 45.0000 | 4.0312 | .75585 |
| June | 45 | 45 | 45.0000 | 4.0313 | .75587 |
| July | 45 | 45 | 45.0000 | 4.0314 | .75589 |
| August | 45 | 44 | 44.6666 | 4.0315 | .75031 |
| September | 46½ | 45 | 45.9318 | 4.0315 | .77156 |
| October | 47 | 46½ | 46.9286 | 4.0314 | .78828 |
| November | 45½ | 42½ | 45.0227 | 4.0315 | .75629 |
| December | 42½ | 42½ | 42.5000 | 4.0315 | .71391 |
| Average | | | 45.0041 | 4.0313 | .75594 |
| *1949* | | | | | |
| January | 42½ | 42½ | 42.5000 | 4.0313 | .71388 |
| February | 43½ | 42½ | 43.0000 | 4.0314 | .72229 |
| March | 43½ | 43½ | 43.5000 | 4.0311 | .73064 |
| April | 43½ | 43½ | 43.5000 | 4.0300 | .73044 |
| May | 43½ | 43½ | 43.5000 | 4.0304 | .73051 |
| June | 43½ | 43½ | 43.5000 | 4.0285 | .73017 |
| Average [4] | | | | | |

[1] For annual prices 1833–1943, see Annual Report for 1944, p. 88; and for subsequent years, see each succeeding report.
[2] Bullion quotations in the London market changed from 0.925 fine to 0.999 fine on Jan. 2, 1945.
[3] Averages of certified noon buying rates in New York for cable transfers.
[4] Average during U. S. Government fiscal year 1949, 44.1291 pence, U. S. equivalent $0.74118.

*Price of silver in New York 1946–49*

[Data corrected to June 30, 1949]

| Month | New York price per ounce 0.999 fine | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1946 | | | 1947 | | | 1948 | | | 1949 | | |
| | Highest | Lowest | Average | Highest | Lowest | Average | Highest | Lowest | Average | Highest | Lowest | Average |
| | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| January | 0.70750 | 0.70750 | 0.70750 | 0.83750 | 0.70750 | 0.76500 | 0.74625 | 0.74625 | 0.74625 | 0.70000 | 0.70000 | 0.70000 |
| February | .70750 | .70750 | .70750 | .80250 | .70750 | .72329 | .74625 | .74625 | .74625 | .71500 | .70000 | .70803 |
| March | .70750 | .70750 | .70750 | .86250 | .70875 | .77339 | .74625 | .74625 | .74625 | .71500 | .71500 | .71500 |
| April | .70750 | .70750 | .70750 | .76000 | .73750 | .75653 | .74625 | .74625 | .74625 | .71500 | .71500 | .71500 |
| May | .70750 | .70750 | .70750 | .73750 | .70750 | .72512 | .74625 | .74625 | .74625 | .71500 | .71500 | .71500 |
| June | .70750 | .70750 | .70750 | .70750 | .59750 | .66810 | .74625 | .74625 | .74625 | .71500 | .71500 | .71500 |
| July | .90125 | .90125 | .90125 | .64750 | .61750 | .63568 | .74625 | .74625 | .74625 | | | |
| August | .90125 | .90125 | .90125 | .69750 | .61750 | .65655 | .74625 | .72750 | .73835 | | | |
| September | .90125 | .90125 | .90125 | .71375 | .68750 | .70601 | .76500 | .74750 | .75345 | | | |
| October | .90125 | .89000 | .90076 | .74500 | .71375 | .71625 | .77500 | .74750 | .77213 | | | |
| November | .90125 | .90125 | .90125 | .74625 | .74625 | .74625 | .74750 | .70000 | .73566 | | | |
| December | .90125 | .83750 | .86732 | .74625 | .74625 | .74625 | .70000 | .70000 | .70000 | | | |
| Average [1] | | | .80151 | | | .71820 | | | .74361 | | | |

[1] Averages shown on table are for calendar years.
On a Government fiscal year basis averages are as follows:
Fiscal year 1946, $0.64928.
Fiscal year 1947, $0.81538.
Fiscal year 1948, $0.72371.
Fiscal year 1949, $0.72616.

*Highest, lowest, and average price of silver per fine ounce in New York since 1874* [1]

| Calendar year | Quotations | | | Calendar year | Quotations | | |
|---|---|---|---|---|---|---|---|
| | Highest | Lowest | Average | | Highest | Lowest | Average |
| 1874 | $1.29375 | $1.25500 | $1.27195 | 1912 | $0.65625 | $0.55250 | $0.62006 |
| 1875 | 1.26125 | 1.21000 | 1.23883 | 1913 | .65125 | .58000 | .61241 |
| 1876 | 1.26000 | 1.03500 | 1.14950 | 1914 | .60875 | .49000 | .56331 |
| 1877 | 1.26000 | 1.16000 | 1.19408 | 1915 | .58000 | .47750 | .51062 |
| 1878 | 1.20750 | 1.08500 | 1.15429 | 1916 | .79125 | .57250 | .67151 |
| 1879 | 1.16750 | 1.06500 | 1.12088 | 1917 | 1.16500 | .73125 | .84000 |
| 1880 | 1.15000 | 1.11250 | 1.13931 | 1918 | 1.01937 | .88937 | .98445 |
| 1881 | 1.14500 | 1.11000 | 1.12823 | 1919 | 1.38250 | 1.01375 | 1.12087 |
| 1882 | 1.15000 | 1.09000 | 1.13855 | 1920 | 1.37875 | .60375 | 1.01940 |
| 1883 | 1.11750 | 1.09500 | 1.10874 | 1921 | .73813 | .53188 | .63096 |
| 1884 | 1.13250 | 1.08000 | 1.11161 | 1922 | .74188 | .62875 | .67934 |
| 1885 | 1.09500 | 1.02750 | 1.06428 | 1923 | .69000 | .62875 | .65239 |
| 1886 | 1.03500 | .92500 | .99880 | 1924 | .72375 | .63000 | .67111 |
| 1887 | 1.03500 | .95000 | .97899 | 1925 | .73187 | .66812 | .69406 |
| 1888 | .97750 | .92000 | .94300 | 1926 | .68937 | .51812 | .62428 |
| 1889 | .97250 | .92500 | .93634 | 1927 | .60312 | .54187 | .56680 |
| 1890 | 1.20500 | .95750 | 1.05329 | 1928 | .63937 | .56812 | .58488 |
| 1891 | 1.07500 | .94750 | .99033 | 1929 | .57812 | .46812 | .53306 |
| 1892 | .95250 | .83000 | .87552 | 1930 | .47187 | .31062 | .38466 |
| 1893 | .85000 | .65000 | .78219 | 1931 | .37562 | .26062 | .29013 |
| 1894 | .70000 | .59500 | .64043 | 1932 | .31312 | .24562 | .28204 |
| 1895 | .69000 | .60000 | .66268 | 1933 | .45312 | .24812 | .34997 |
| 1896 | .70250 | .65625 | .68195 | 1934 | .56062 | .42062 | .48283 |
| 1897 | .66125 | .52750 | .60774 | 1935 | .81312 | .50062 | .64582 |
| 1898 | .62250 | .55125 | .59064 | 1936 | .50062 | .45062 | .45399 |
| 1899 | .64750 | .58625 | .60507 | 1937 | .47062 | .45062 | .45195 |
| 1900 | .65750 | .59750 | .62065 | 1938 | .45062 | .43062 | .43537 |
| 1901 | .64500 | .54750 | .59703 | 1939 | .43062 | .35062 | .39395 |
| 1902 | .56875 | .47375 | .52815 | 1940 | .35937 | .35062 | .35085 |
| 1903 | .62375 | .47500 | .54208 | 1941 | .35437 | .35062 | .35095 |
| 1904 | .62500 | .53375 | .57843 | 1942 | .45062 | .35437 | .38645 |
| 1905 | .66500 | .55625 | .61008 | 1943 | .45062 | .45062 | .45062 |
| 1906 | .72375 | .63125 | .67379 | 1944 | .45062 | .45062 | .45062 |
| 1907 | .71000 | .52750 | .65978 | 1945 | .70750 | .44750 | .51928 |
| 1908 | .58875 | .48250 | .53496 | 1946 | .90125 | .70750 | .80151 |
| 1909 | .54500 | .50750 | .52163 | 1947 | .86250 | .59750 | .71820 |
| 1910 | .57625 | .50750 | .54245 | 1948 | .77500 | .70000 | .74361 |
| 1911 | .57500 | .52125 | .54002 | | | | |

[1] Quotations are asked prices 1874–1917; mean of bid and asked prices 1918–1944; "official" prices 1945 and thereafter.

*Bullion value of the silver dollar [371¼ grains of pure silver] at the annual average price of silver each calendar year since 1837* [1]

| Year | Value | Year | Value | Year | Value | Year | Value | Year | Value |
|---|---|---|---|---|---|---|---|---|---|
| 1837 | $1.009 | 1860 | $1.045 | 1883 | $0.85754 | 1905 | $0.47200 | 1927 | $0.43838 |
| 1838 | 1.008 | 1861 | 1.031 | 1884 | .85904 | 1906 | .52353 | 1928 | .45237 |
| 1839 | 1,023 | 1862 | 1.041 | 1885 | .82379 | 1907 | .51164 | 1929 | .41229 |
| 1840 | 1,023 | 1863 | 1.040 | 1886 | .76931 | 1908 | .41371 | 1930 | .29751 |
| 1841 | 1.018 | 1864 | 1.040 | 1887 | .75755 | 1909 | .40231 | 1931 | .22440 |
| 1842 | 1.007 | 1865 | 1.035 | 1888 | .72683 | 1910 | .41825 | 1932 | .21814 |
| 1843 | 1.003 | 1866 | 1.036 | 1889 | .72325 | 1911 | .41709 | 1933 | .27068 |
| 1844 | 1.008 | 1867 | 1.027 | 1890 | .80927 | 1912 | .47543 | 1934 | .37344 |
| 1845 | 1.004 | 1868 | 1.025 | 1891 | .76416 | 1913 | .46760 | 1935 | .49950 |
| 1846 | 1.005 | 1869 | 1.024 | 1892 | .67401 | 1914 | .42780 | 1936 | .35113 |
| 1847 | 1.011 | 1870 | 1.027 | 1893 | .60351 | 1915 | .40135 | 1937 | .34956 |
| 1848 | 1.008 | 1871 | 1.025 | 1894 | .49097 | 1916 | .53094 | 1938 | .33673 |
| 1849 | 1.013 | 1872 | 1.022 | 1895 | .50587 | 1917 | .69242 | 1939 | .30470 |
| 1850 | 1.018 | 1873 | 1.00368 | 1896 | .52257 | 1918 | .76142 | 1940 | .27136 |
| 1851 | 1.034 | 1874 | .98909 | 1897 | .46745 | 1919 | .86692 | 1941 | .27144 |
| 1852 | 1.025 | 1875 | .96086 | 1898 | .45640 | 1920 | .78844 | 1942 | .29889 |
| 1853 | 1.042 | 1876 | .90039 | 1899 | .46525 | 1921 | .48801 | 1943 | .34853 |
| 1854 | 1.042 | 1877 | .92958 | 1900 | .47958 | 1922 | .52543 | 1944 | .34853 |
| 1855 | 1.039 | 1878 | .89222 | 1901 | .46093 | 1923 | .50458 | 1945 | .40163 |
| 1856 | 1.039 | 1879 | .86928 | 1902 | .40835 | 1924 | .51906 | 1946 | .61992 |
| 1857 | 1.046 | 1880 | .88564 | 1903 | .41960 | 1925 | .53681 | 1947 | .55548 |
| 1858 | 1.039 | 1881 | .87575 | 1904 | .44763 | 1926 | .48284 | 1948 | .57514 |
| 1859 | 1.052 | 1882 | .87833 | | | | | | |

[1] Based upon asked prices through 1917; mean of bid and asked prices 1918–44; New York "official" prices 1945 and thereafter.

*Average commercial ratio of silver to gold each calendar year since 1837* [1]

| Year | Ratio | Year | Ratio | Year | Ratio | Year | Ratio | Year | Ratio |
|---|---|---|---|---|---|---|---|---|---|
| 1837 | 15.83 | 1860 | 15.29 | 1883 | 18.64 | 1905 | 33.87 | 1927 | 36.47 |
| 1838 | 15.85 | 1861 | 15.50 | 1884 | 18.61 | 1906 | 30.54 | 1928 | 35.34 |
| 1839 | 15.62 | 1862 | 15.35 | 1885 | 19.41 | 1907 | 31.24 | 1929 | 38.78 |
| 1840 | 15.62 | 1863 | 15.37 | 1886 | 20.78 | 1908 | 38.64 | 1930 | 53.74 |
| 1841 | 15.70 | 1864 | 15.37 | 1887 | 21.10 | 1909 | 39.74 | 1931 | 71.25 |
| 1842 | 15.87 | 1865 | 15.44 | 1888 | 22.00 | 1910 | 38.22 | 1932 | 73.29 |
| 1843 | 15.93 | 1866 | 15.43 | 1889 | 22.10 | 1911 | 38.33 | 1933 | 59.06 |
| 1844 | 15.85 | 1867 | 15.57 | 1890 | 19.75 | 1912 | 33.62 | 1934 | 72.49 |
| 1845 | 15.92 | 1868 | 15.59 | 1891 | 20.92 | 1913 | 34.19 | 1935 | 54.19 |
| 1846 | 15.90 | 1869 | 15.60 | 1892 | 23.72 | 1914 | 37.37 | 1936 | 77.09 |
| 1847 | 15.80 | 1870 | 15.57 | 1893 | 26.49 | 1915 | 40.48 | 1937 | 77.44 |
| 1848 | 15.85 | 1871 | 15.57 | 1894 | 32.56 | 1916 | 30.78 | 1938 | 80.39 |
| 1849 | 15.78 | 1872 | 15.63 | 1895 | 31.60 | 1917 | 24.61 | 1939 | 88.84 |
| 1850 | 15.70 | 1873 | 15.93 | 1896 | 30.59 | 1918 | 21.00 | 1940 | 99.76 |
| 1851 | 15.46 | 1874 | 16.16 | 1897 | 34.20 | 1919 | 18.44 | 1941 | 99.73 |
| 1852 | 15.59 | 1875 | 16.64 | 1898 | 35.03 | 1920 | 20.28 | 1942 | 90.57 |
| 1853 | 15.33 | 1876 | 17.75 | 1899 | 34.36 | 1921 | 32.76 | 1943 | 77.67 |
| 1854 | 15.33 | 1877 | 17.20 | 1900 | 33.33 | 1922 | 30.43 | 1944 | 77.67 |
| 1855 | 15.38 | 1878 | 17.92 | 1901 | 34.68 | 1923 | 31.69 | 1945 | 67.40 |
| 1856 | 15.38 | 1879 | 18.39 | 1902 | 39.15 | 1924 | 30.80 | 1946 | 43.67 |
| 1857 | 15.27 | 1880 | 18.05 | 1903 | 38.10 | 1925 | 29.78 | 1947 | 48.73 |
| 1858 | 15.38 | 1881 | 18.25 | 1904 | 35.70 | 1926 | 33.11 | 1948 | 47.07 |
| 1859 | 15.19 | 1882 | 18.20 | | | | | | |

[1] For ratios from 1687–1836, see p. 91 of the 1944 Annual Report. Ratios shown above from 1837–1878 inclusive are from Pixley and Abell's tables. Ratios since 1878 are based upon the price of gold at $20.67+ per fine ounce until 1934 and at $35 per fine ounce thereafter; and upon the prices of silver as shown in the preceding table titled "Highest, lowest, and average price of silver per fine ounce in New York since 1874."

*Summary of total United States exports and imports of gold and silver during the fiscal year 1949* [1]

| Description | Gold | | Silver | |
|---|---|---|---|---|
| | Exports | Imports | Exports | Imports |
| | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Ore base bullion | 52,070 | 36,123,355 | 2,491 | 22,382,894 |
| Refined bullion | 142,351,151 | 875,934,891 | 1,919,944 | 43,135,500 |
| Coin: | | | | |
| United States | 2,749 | 6,500 | 1,025,000 | 1,423,292 |
| Foreign | 22,104,373 | 12,810,399 | 7,170,489 | 1,830,234 |
| Grand total | 164,510,343 | 924,875,145 | 10,117,924 | 68,771,920 |

[1] Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

*Summary of total United States exports and imports of gold and silver during the calendar year 1948* [1]

| Description | Gold | | Silver | |
|---|---|---|---|---|
| | Exports | Imports | Exports | Imports |
| | *Dollars* | *Dollars* | *Dollars* | *Dollars* |
| Ore and base bullion | | 35,135,904 | 2,491 | 25,698,252 |
| Refined bullion | 186,995,482 | 1,919,195,340 | 950,983 | 36,911,374 |
| Coin: | | | | |
| United States | 4,893 | 920 | 567,000 | 2,466,597 |
| Foreign | 113,770,769 | 47,122,232 | 10,879,586 | 5,808,290 |
| Grand total | 300,771,144 | 2,001,454,396 | 12,400,060 | 70,884,513 |

[1] Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

## WORLD MONETARY STATISTICS

The statistics of foreign countries on production and coinage of gold and silver and stocks of money, published annually in the reports of the Bureau of the Mint, are obtained, so far as practicable, directly from the governments of such countries by the representatives of the United States accredited to them.

Interrogatories covering the points on which information is sought are sent yearly to the United States Ambassadors and Ministers through the Department of State, and the replies in the form of reports are forwarded directly to the Bureau of the Mint.

Receipts of replies to the interrogatories are frequently delayed in transmission, and the available data for the calendar year under review are often incomplete. In a general way interrogatory answers are herein published as received, with the addition of equivalents. If inaccuracies are apparent, information that would warrant the making of possible corrections is often unavailable.

In the absence of dependable official returns from foreign countries the most reliable data available are used in compiling world statistics.

A number of countries are omitted from the tables because of complete lack of information.

Tables include the following:

1. Gold and silver monetary stocks of principal countries of the world at end of calendar year 1948.
2. Coinage of nations during the year ended December 31, 1948.
3. Mints of the world in operation during the year ended December 31, 1948.
4. Coins withdrawn from active circulation in various countries of the world during the year ended December 31, 1948.
5. Gold and silver in the form of old plate, jewelry, and other old material returned from use in the industrial arts by being deposited with the monetary authority in various countries of the world during the year ended December 31, 1948.
6. Estimated quantity of gold and silver used in the industrial arts in various countries of the world during the year ended December 31, 1948.
7. Characteristics of coins in circulation at end of December 1948.
8. World production of gold, 1943–48, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of Interior).
9. World production of silver, 1943–48, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of Interior).
10. Coinage of nations during the year ended December 31, 1947.

*Gold and silver monetary stocks of principal countries of the world at end of calendar year 1948 (subject to revision)*

[Gold reported on quantity basis, in troy ounces, grams, or kilograms and converted to United States money at rate of $35 per fine ounce (1 United States dollar is legally defined as 15$^{5}/_{21}$ grains of gold $^{9}/_{10}$ fine). Silver reported face amount converted to United States money at exchange rate, or reported quantity valued at New York average market rate for December 1948, $0.70 per ounce $^{999}/_{1000}$ fine]

| Country | Monetary unit | Exchange rate—average for December 1948 (New York rate if certified) | Gold bullion and coin held by Government agencies | | Silver bullion and coin—U. S. dollar value | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Number of fine troy ounces (000 omitted) | U. S. dollar value (000 omitted) | Bullion held by Government agencies (000 omitted) | Coin held by Government agencies (000 omitted) | Coin (estimated) in circulation, including coin in commercial banks (000 omitted) | Total silver (000 omitted) |
| United States | Dollar | $1.00000 | 697,105 | $24,398,665 | $2,060,814 | $333,982 | $1,136,498 | $3,531,294 |
| Afghanistan | Afghani | .07143 | 1,046 | 36,614 | | | | |
| Algeria | Franc | .00467 | 168 | 5,892 | | | | |
| Anglo-Egyptian Sudan | Pound | 4.14000 | | | | [1] 1,248 | [1] 8,420 | [1] 9,668 |
| Argentina | Peso | .29773 | [2] 4,057 | [2] 142,000 | | | | |
| Australia | Pound | 3.21230 | [2] 2,457 | [2] 86,000 | [3] 3,469 | [3] 19,499 | [3] 79,183 | [3] 102,151 |
| Austria | Schilling | .10142 | 1,397 | 48,905 | | | | |
| Belgian Congo | Franc | .02282 | 564 | 19,732 | | | | |
| Belgium | do | .02285 | 17,819 | 623,671 | 4,371 | 8,309 | 1,973 | 14,654 |
| Bolivia | Boliviano | .02357 | [4] 683 | [4] 23,891 | | 51 | | 51 |
| Brazil | Cruzeiro | .05441 | 9,053 | 316,844 | | | | |
| British East Africa | Shilling | .20157 | | | | [5] 1,403 | [5] 25,623 | [5] 27,026 |
| British Guiana | Dollar | .83990 | | | | 403 | 1,831 | 2,234 |
| British Honduras | do | 1.00000 | | | | | 151 | 151 |
| British West Africa | Shilling | .20157 | | | | 206 | 3,612 | 3,818 |
| British West Indies: | | | | | | | | |
| Barbados | Dollar | .83990 | | | | | [3] 500 | [3] 500 |
| Jamaica | Pound | 4.03150 | | | | | [6] 1,294 | [6] 1,294 |
| Trinidad and Tobago | Dollar | .83990 | | | | 115 | 415 | 530 |
| Canada | do | 1.00000 | 11,708 | 409,777 | 1,036 | 76 | 63,830 | 64,942 |
| Chile | Peso | .02320 | 1.240 | 43,384 | | | | |
| Colombia | do | .56818 | 1,465 | 51,275 | | | 11,016 | 11,016 |
| Costa Rica | Colon | .17637 | 58 | 2,029 | | | | |
| Cuba | Peso | 1.00000 | 8,250 | 288,744 | | [7] 1,868 | [7] 14,663 | [7] 16,531 |
| Cyprus | Pound | 4.03150 | | | | | 1,044 | 1,044 |
| Czechoslovakia | Koruna | .02006 | ([8]) | ([8]) | 568 | 498 | 8,479 | 9,544 |
| Denmark | Krone | .20854 | 913 | 31,960 | | | | |
| Dominican Republic | Dollar | 1.00000 | 114 | 4,000 | | | [7] 1,350 | [7] 1,350 |
| Ecuador | Sucre | .07407 | 588 | 20,568 | 157 | 1,810 | 277 | 2,244 |
| Egypt | Pound | 4.14000 | 1,525 | 53,361 | | | 24,318 | 24,318 |
| El Salvador | Colon | .40000 | 415 | 14,510 | | 132 | 1,088 | 1,220 |
| Eritrea | Pound | 4.03150 | | | | 16 | 323 | 339 |
| Ethiopia | Dollar | .40250 | 59 | 2,070 | 1,860 | 9,862 | 287 | 12,009 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Fiji | Pound | 3.63198 | | | | 107 | 823 | 930 |
| Finland | Markka | .00739 | 173 | 6,041 | | | | |
| France | Franc | .00467 | 15,732 | 550,616 | | | | |
| Germany | Reichsmark | | | | 1,948 | 3,919 | | 5,867 |
| Guatemala | Quetzal | 1.00000 | 778 | 27,230 | 62 | 26 | 2,769 | 2,857 |
| Haiti | Gourde | .20000 | 76 | 2,649 | | [7] 38 | | [7] 38 |
| Honduras | Lempira | .49020 | 2 | 64 | | | [7] 11,484 | [7] 11,484 |
| Hungary | Florin (forint) | .08518 | 1,003 | 35,111 | | | (9) | (9) |
| Iceland | Krona | .15373 | 29 | 1,016 | | | | |
| India | Rupee | .30168 | 7,302 | 255,571 | [3] 69,836 | | [3] 271,290 | [3] 341,125 |
| Indochina | Piastre | | [10] 1,049 | [10] 36,703 | | | | |
| Iran | Rial | .03125 | [2] 4,000 | [2] 140,000 | 3,375 | (9) | (9) | 3,375 |
| Iraq | Dinar | 4.03150 | | | | 499 | 3,788 | 4,287 |
| Ireland | Pound | 4.03150 | [11] 498 | [11] 17,424 | | | 10,558 | 10,558 |
| Italy | Lira | .00174 | 2,805 | 98,179 | 15,911 | 3,003 | | 18,914 |
| Japan | Yen | | [12] 75 | [12] 2,642 | 4,171 | | | 4,171 |
| Jordan [13] | Pound | 4.03150 | | | | 460 | 4,540 | 5,000 |
| Korea | Won | | 21 | 732 | 180 | | | 180 |
| Lebanon | Pound | .45767 | 48 | 1,691 | | | 325 | 325 |
| Liberia | Dollar | 1.00000 | | | | | [7] 2,000 | [7] 2,000 |
| Luxembourg | Franc | .02282 | 79 | 2,761 | | 50 | 338 | 388 |
| Madagascar | do | .02234 | | | | (14) | | (12) |
| Malaya and Singapore | Dollar | .47017 | | | | 75 | 11,617 | 11,692 |
| Mexico | Peso | .14527 | 1,198 | 41,932 | 18,786 | 17,962 | 27,751 | 64,499 |
| Morocco | Franc | .00467 | 307 | 10,730 | 76 | | | 76 |
| Netherlands | Florin (guilder) | .37615 | 4,775 | 167,139 | 10,902 | [15] 4,919 | 47,019 | [15] 62,840 |
| Netherlands East Indies | do | .38095 | 5,084 | 177,951 | 141 | 12,531 | 69,401 | 82,073 |
| Netherlands Guiana (Surinam) | do | .53333 | 121 | 4,246 | [16] 1,288 | (16) | (9) | 1,288 |
| Netherlands West Indies | do | .53050 | 560 | 19,589 | | 301 | 746 | 1,048 |
| New Zealand | Pound | 3.99150 | 668 | 23,379 | | | 15,076 | 15,076 |
| Newfoundland and Labrador | Dollar | 1.00000 | | | | | 2,858 | 2,858 |
| Nicaragua | Cordoba | .20000 | 84 | 2,938 | (14) | 27 | 76 | 104 |
| Pakistan | Rupee | .30168 | 390 | 13,635 | | | | |
| Panama | Balboa | 1.00000 | (14) | [17] 10 | | [7] 589 | [7] 556 | [7] 1,145 |
| Paraguay | Guarani | .32051 | 7 | 230 | | | | |
| Peru | Sol | .15385 | 573 | 20,061 | | 1 | 1 | 2 |
| Philippines | Peso | .50000 | 39 | 1,361 | 13 | 19,970 | 33,227 | 53,210 |
| Portugal | Escudo | .04032 | (8) | (8) | 5 | 364 | 11,624 | 11,992 |
| Portuguese East Africa (Mozambique) | do | .03989 | 209 | 7,314 | | 936 | (9) | 936 |
| Southern Rhodesia [18] | Pound | 4.03150 | | | | 3,346 | 3,331 | 6,677 |
| Spain | Peseta | .09132 | 3,181 | 111,321 | 45,657 | | | 45,657 |
| Sweden | Krona | .27823 | 2,303 | 80,613 | 209 | 392 | 55,472 | 56,073 |
| Switzerland | Franc | .23363 | 39,644 | 1,387,542 | 915 | 5,607 | 62,146 | 68,667 |
| Syria | Pound | .45767 | 32 | 1,128 | | | 1,808 | 1,808 |
| Thailand (Siam) | Baht (tical) | .10000 | [19] 2,233 | [19] 78,146 | 41 | 112 | 3,319 | 3,472 |
| Turkey | Lira (pound) | .35714 | 4,637 | 162,307 | | 7,734 | 10,172 | 17,906 |
| Union of South Africa | Pound | 4.00750 | 5,239 | 183,364 | 887 | 1,302 | 35,667 | 37,857 |
| Uruguay | Peso | .65830 | 4,680 | 163,816 | | 11,891 | 6,279 | 18,170 |
| Venezuela | Bolivar | .29851 | [20] 9,193 | [20] 321,766 | | 4,332 | 38,239 | 42,571 |

See footnotes at end of table.

*Gold and silver monetary stocks of principal countries of the world at end of calendar year 1948 (subject to revision)*—Continued

| Country | Monetary unit | Exchange rate—average for December 1948 (New York rate if certified) | Gold bullion and coin held by Government agencies | | Silver bullion and coin—U. S. dollar value | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Number of fine troy ounces (000 omitted) | U. S. dollar value (000 omitted) | Bullion held by Government agencies (000 omitted) | Coin held by Government agencies (000 omitted) | Coin (estimated) in circulation, including coin in commercial banks (000 omitted) | Total silver (000 omitted) |
| Other countries [21] | | | 66,750 | $2,336,500 | | | | |
| Bank for International Settlements | | | 1,029 | 36,004 | | | | |
| International Monetary Fund | | | 41,045 | 1,436,590 | | | | |
| Total reported [22] | | | 992,177 | $34,726,934 | $2,246,678 | $479,971 | $2,130,475 | $4,857,124 |

[1] Egyptian and British coin. Represents estimate based upon specie movements between governments concerned.
[2] Approximate.
[3] January 1948.
[4] Includes holdings of development and commercial banks.
[5] June 1948.
[6] Represents amount in commercial banks. Amount in circulation not available.
[7] Includes United States coin which also circulates.
[8] Gold holdings included under "Other countries."
[9] Data not available.
[10] Represents gold earmarked in Japan with question of title and release involved.
[11] Includes small amount of gold coin in commercial banks.
[12] In addition, the Allied Occupation Forces are in custody of approximately 3,500,000 ounces of gold valued at $123,000,000. (See also Indochina and Thailand.)
[13] Palestine coins legal tender during period.
[14] Less than 500 ounces or dollars.
[15] Includes some minor coin.
[16] Silver bullion includes coin.
[17] Part. Additional gold included under "Other countries."
[18] Includes Northern Rhodesia and Nyasaland.
[19] Includes approximately $43,700,000 earmarked in Japan with question of title and release involved.
[20] In addition, commercial banks held gold coin valued at approximately $12,000,000 (342,000 ounces).
[21] Includes Bulgaria, Czechoslovakia, Greece, Norway, Panama (part), Poland, Portugal and certain Portuguese dependencies, Rumania, United Kingdom, Yugoslavia, and gold not yet delivered by theTripartite Commission for Restitution of monetary gold.
[22] Totals do not include estimates for countries not specified.

*Coinage of nations during the year ended Dec. 31, 1948*

[So far as reported to the Director of the Mint]

[See also tables on "Characteristics of Coins in Circulation" for further description]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| United States | Half dollar | 7,095,429 | 3,547,714.50 | dollars | 900 silver, 100 copper. |
| | Quarter dollar | 67,922,800 | 16,980,700.00 | dollars | Do. |
| | Dime | 163,311,000 | 16,331,100.00 | dollars | Do. |
| | 5 cents | 145,382,000 | 7,269,100.00 | dollars | 75 copper, 25 nickel. |
| | 1 cent | 571,942,500 | 5,719,425.00 | dollars | 95 copper, 5 zinc and tin. |
| Total | | 955,653,729 | 49,848,039.50 | dollars | |
| Argentina | 20 centavos | 32,245,000 | 6,449,000.00 | pesos | 95 copper, 5 aluminum. |
| | 10 centavos | 54,685,000 | 5,468,500.00 | pesos | Do. |
| | 5 centavos | 42,790,000 | 2,139,500.00 | pesos | Do. |
| | 2 centavos | 3,365,000 | 67,300.00 | pesos | 50 copper, 40 tin, 10 zinc. |
| | 1 centavo | 4,401,000 | 44,010.00 | pesos | Do. |
| Total | | 137,486,000 | 14,168,310.00 | pesos | |
| Austria | 2 schilling | 538,000 | 1,076,000.00 | schilling | 98.5 aluminum, 1.5 manganese |
| | 1 schilling | 9,176,000 | 9,176,000.00 | schilling | Do. |
| | 50 groschen | 4,850,000 | 2,425,000.00 | schilling | Do. |
| | 10 groschen | 41,338,000 | 4,133,800.00 | schilling | Zinc. |
| | 5 groschen | 5,106,000 | 255,300.00 | schilling | Do. |
| | 1 groschen | 11,635,000 | 116,350.00 | schilling | Do. |
| | Maria-Theresia Taler | 6,704 | (Trade coin) | | Silver, 833⅓ fine. |
| Total | | 72,649,704 | 17,182,450.00 | (excluding trade coins) | |
| Belgium | 100 francs | 2,000,000 | 200,000,000.00 | francs | 835 silver, 165 copper. |
| | 50 francs | 5,000,000 | 250,000,000.00 | francs | Do. |
| | 5 francs | 9,304,000 | 46,520,000.00 | francs | 75 copper, 25 nickel. |
| Total | | 16,304,000 | 496,520,000.00 | francs | |
| Bolivia | 50 centavos | 1,600,000 | 800,000.00 | bolivianos | 95 copper, 5 zinc. |
| Brazil | 2 cruzeiros | 1 | 2.00 | cruzeiros | 90 copper, 8 aluminum, 2 zinc. |
| | 1 cruzeiro | 1 | 1.00 | cruzeiro | Do. |
| | 50 centavos | 32,023,001 | 16,011,500.50 | cruzeiros | Do. |
| | 20 centavos | 39,679,001 | 7,935,800.20 | cruzeiros | Do. |
| | 10 centavos | 45,041,001 | 4,504,100.10 | cruzeiros | Do. |
| Total | | 116,743,005 | 28,451,403.80 | cruzeiros | |
| British West Africa | Penny | 19,779,600 | 19,779,600–0–0 | pounds | 75 copper, 25 nickel. |
| Canada | Dollar | 39,915 | 39,915.00 | dollars | 800 silver, 200 copper |
| | 50 cents | 76,217 | 38,108.50 | dollars | Do. |
| | 25 cents | 6,958,362 | 1,739,590.50 | dollars | Do. |
| | 10 cents | 10,061,534 | 1,006,153.40 | dollars | Do. |
| | 5 cents | 11,405,913 | 570,295.65 | dollars | Pure nickel. |
| | 1 cent | 69,623,227 | 696,232.27 | dollars | 98 copper, 1.5 zinc, 0.5 tin. |
| Total | | 98,165,168 | 4,090,295.32 | dollars | |
| Chile | 1 peso | 5,900,000 | 5,900,000.00 | pesos | 95.5 copper, 3 tin, 1.5 zinc. |
| | 20 centavos | 15,200,000 | 3,040,000.00 | pesos | Do. |
| Total | | 21,100,000 | 8,940,000.00 | pesos | |
| Colombia | 50 centavos | 707,302 | 353,651.00 | pesos | 500 silver, 400 copper, 50 nickel, 50 zinc. |
| | 20 centavos | 1,747,500 | 349,100.00 | pesos | Do. |
| | 10 centavos | 3,629,120 | 362,912.00 | pesos | Do. |
| | 2 centavos | 2,647,500 | 52,950.00 | pesos | 95 copper, 5 nickel. |
| | do | 85,480 | 1,709.60 | pesos | 75 copper, 25 nickel. |
| | 1 centavo | 585,000 | 5,850.00 | pesos | 95 copper, 5 nickel. |
| | do | 1,139,173 | 11,391.73 | pesos | 75 copper, 25 nickel. |
| Total | | 10,541,075 | 1,137,564.33 | pesos | |

*Coinage of nations during the year ended Dec. 31, 1948*—Continued

[So far as reported to the Director of the Mint]

[See also tables on "Characteristics of Coins in Circulation" for further description]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| Costa Rica | 2 colones | 2,500,000 | 5,000,000.00 | colones | 75 copper, 25 nickel. |
| | 1 colon | 300,000 | 300,000.00 | colones | Do. |
| | 50 centimos | 400,000 | 200,000.00 | colones | Do. |
| | 25 centimos | 400,000 | 100,000.00 | colones | Do. |
| | 10 centimos | 710,000 | 71,000.00 | colones | 95 copper, 4 zinc, 1 tin. |
| | 5 centimos | 2,000,000 | 100,000.00 | colones | Do. |
| Total | | 6,310,000 | 5,771,000.00 | colones | |
| Cuba | 20 centavos | 6,830,000 | 1,366,000.00 | pesos | 900 silver, 100 copper. |
| | 10 centavos | 5,120,000 | 512,000.00 | pesos | Do. |
| Total | | 11,950,000 | 1,878,000.00 | pesos | |
| Cyprus | 18 piastres | 720,000 | 72,000-0-0 | pounds | 75 copper, 25 nickel. |
| | 9 piastres | 1,440,000 | 72,000-0-0 | pounds | Do. |
| Total | | 2,160,000 | 144,000-0-0 | pounds | |
| Czechoslovakia | 100 koruny | 2,000,000 | 200,000,000.00 | koruny | 500 silver, 400 copper, 50 nickel, 50 zinc. |
| | 50 koruny | 1,000,000 | 50,000,000.00 | koruny | Do. |
| | 2 koruny | 20,000,000 | 40,000,000.00 | koruny | 80 copper, 20 nickel. |
| | 50 halers | 20,000,000 | 10,000,000.00 | koruny | 92 copper, 8 zinc. |
| | 20 halers | 24,340,000. | 4,868,000.00 | koruny | Do. |
| Total | | 67,340,000 | 304,868,000.00 | koruny | |
| Denmark | 2 kroner | 1,284,777 | 2,569,554.00 | kroner | 92 copper, 6 aluminum, 2 nickel. |
| | 1 krone | 4,373,604 | 4,373,604.00 | kroner | Do. |
| | 25 øre | 417,882 | 104,470.50 | kroner | 75 copper, 25 nickel. |
| | 10 øre | 3,896,232 | 389,623.20 | kroner | Do. |
| | 2 øre | 1,498,052 | 29,961.04 | kroner | Zinc. |
| | 1 øre | 300,000 | 3,000.00 | kroner | Do. |
| Total | | 11,770,547 | 7,470,212.74 | kroner | |
| El Salvador | 5 centavos | 3,000,000 | 150,000.00 | colones | 70 copper, 18 zinc, 12 nickel. |
| Fiji | Threepence (12-sided) | 400,000 | 5,000-0-0 | pounds | 79 copper, 20 zinc, 1 nickel. |
| Finland | 5 markkaa | 8,210,000 | 41,050,000.00 | markkaa | Copper 63, zinc 37. |
| | 1 markka | 20,504,000 | 20,504,000.00 | markkaa | Iron. |
| | 50 pennia | 1,112,000 | 556,000.00 | markkaa | Do. |
| Total | | 29,826,000 | 62,110,000.00 | markkaa | |
| Germany | 10 reichspfennig | 25,033,000 | 2,503,300.00 | reichsmark | Raw zinc. |
| | 5 reichspfennig | 20,862,400 | 1,043,120.00 | reichsmark | Do. |
| | 1 pfennig | 103,079,000 | 1,030,790.00 | deutsche mark | Iron kernel with copper plating on both sides. |
| Total | | 148,974,400 | 3,546,420.00<br>1,030,790.00 | reichsmark<br>deutsche mark | |
| Guatemala | 25 centavos | 129,226 | 32,306.50 | quetzales | 720 silver, 280 copper. |
| | 10 centavos | 324,376 | 32,437.60 | quetzales | Do. |
| | 5 centavos | 1,102,661 | 55,133.05 | quetzales | Do. |
| | 1 centavo | 1,651,343 | 16,513.43 | quetzales | 70 copper, 30 zinc. |
| Total | | 3,207,606 | 136,390.58 | quetzales | |
| India | 1 rupee | 5,74,28,000 | 5,74,28,000-0-0 | rupees | Nickel. |
| | ½ rupee | 2,03,24,000 | 1,01,62,000-0-0 | rupees | Do. |
| | ¼ rupee | 4,28,64,000 | 1,07,16,000-0-0 | rupees | Do. |
| | 2 annas | 3,56,24,000 | 44,53,000-0-0 | rupees | 75 copper, 25 nickel. |
| | 1 anna | 7,60,16,000 | 47,51,000-0-0 | rupees | Do. |
| | ½ anna | 7,00,24,000 | 21,88,250-0-0 | rupees | Do. |

See footnotes at end of table.

*Coinage of nations during the year ended Dec. 31, 1948*—Continued

[So far as reported to the Director of the Mint]

[See also tables on "Characteristics of Coins in Circulation" for further description]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| India | 1 pice | 9,73,81,000 | 15,21,578-2-0 | rupees | 97 copper, 2.5 zinc 0.5 tin. |
| Total | | 39,96,61,000 | 9,12,19,828-2-0 | rupees | |
| Japan | 5 yen | 74,520,000 | 372,600,000.00 | yen | Copper 60-70, zinc 40-30. |
| | 1 yen | 55,095,000 | 55,095,000.00 | yen | Do. |
| | 50 sen | 515,370,000 | 257,685,000.00 | yen | Do. |
| Total | | 644,985,000 | 685,380,000.00 | yen | |
| Mexico | 5 pesos | 26,740,000 | 133,700,000.00 | pesos | 900 silver, 100 copper. |
| | 1 peso | 22,915,000 | 22,915,000.00 | pesos | 500 silver, 400 copper, 60 nickel, 40 zinc. |
| | 1 centavo | 20,040,000 | 200,400.00 | pesos | 95 copper, 4 zinc, 1 tin. |
| Total | | 69,695,000 | 156,815,400.00 | pesos | |
| Morocco | 10 francs | 12,800,000 | 128,000,000.00 | francs | 75 copper, 25 nickel. |
| Muscat | 50 baizas | 50,000 | (1) | | (1) |
| | 20 baizas | 35,000 | (1) | | (1) |
| | 10 baizas | 70,000 | (1) | | (1) |
| Total | | 155,000 | (1) | | |
| Netherlands West Indies (Curacao). | 1/10 guilder | 1,000,000 | 100,000.00 | gulden | 640 silver, 360 copper. |
| | 5 cents | 1,000,000 | 50,000.00 | gulden | 75 copper, 25 nickel. |
| | 5 cents | 1,600,000 | 80,000.00 | gulden | 95 copper, 4 tin, 1 zinc. |
| | 2½ cents | 1,000,000 | 25,000.00 | gulden | 95 copper, 5 zinc. |
| | 1 cent | 37,400,000 | 374,000.00 | gulden | 95 copper, 4 tin, 1 zinc. |
| Total | | 42,000,000 | 629,000.00 | gulden | |
| New Zealand | Half crown | 2,312,000 | 289,000-0-0 | pounds | Copper 75, nickel 25. |
| | Florin | 3,300,000 | 330,000-0-0 | pounds | Do. |
| | Shilling | 2,480,000 | 124,000-0-0 | pounds | Do. |
| | Sixpence | 3,440,000 | 86,000-0-0 | pounds | Do. |
| Total | | 11,532,000 | 829,000-0-0 | pounds | |
| Newfoundland | 10 cents | 119,736 | 11,973.60 | dollars | 800 silver, 200 copper. |
| | 5 cents | 310,750 | 15,537.50 | dollars | Do. |
| | 1 cent | 313,772 | 3,137.72 | dollars | 98 copper, 1.5 zinc, 0.5 tin. |
| Total | | 744,258 | 30,648.82 | dollars | |
| Pakistan | 1 rupee | 4,62,04,000 | 4,62,04,000-0-0 | rupees | Pure nickel. |
| | ½ rupee | 3,32,66,000 | 1,66,33,000-0-0 | rupees | Do. |
| | ¼ rupee | 5,26,79,000 | 1,31,69,750-0-0 | rupees | Do. |
| | 2 annas | 5,59,33,339 | 69,91,667-6-0 | rupees | 75 copper, 25 nickel. |
| | 1 anna | 7,34,67,902 | 45,91,743-14-0 | rupees | Do. |
| | ½ anna | 7,39,23,911 | 23,10,122-3-6 | rupees | Do. |
| | 1 pice | 10,10,75,734 | 15,79,308-5-6 | rupees | 97 copper, 2.5 zinc, 0.5 tin. |
| Total | | 43,65,49,886 | 9,14,79,591-15-0 | rupees | |
| Paraguay | 25 centimos | 500,000 | 125,000.00 | guaranies | 92 copper, 5 aluminum. Balance unreported. |
| | 10 centimos | 2,000,000 | 200,000.00 | guaranies | Do. |
| | 5 centimos | 7,000,000 | 350,000.00 | guaranies | Do. |
| | 1 centimo | 2,000,000 | 20,000.00 | guaranies | Do. |
| Total | | 11,500,000 | 695,000.00 | guaranies | |
| Peru | 1 sol | 1,922,109 | 1,922,109.00 | soles | 70 copper, 30 zinc. |
| | ½ sol | 3,323,706 | 1,661,853.00 | soles | Do. |
| | 20 centavos | 3,577,671 | 715,534.20 | soles | Do. |
| | 10 centavos | 5,770,769 | 577,076.90 | soles | Do. |
| | 5 centavos | 6,710,619 | 335,530.95 | soles | Do. |

See footnotes at end of table.

*Coinage of nations during the year ended Dec. 31, 1948*—Continued

[So far as reported to the Director of the Mint]

[See also tables on "Characteristics of Coins in Circulation" for further description]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| Peru | 2 centavos | 1,517,578 | 30,351.56 | soles | 95 copper, 5 zinc. |
| | 1 centavo | 3,195,081 | 31,950.81 | soles | Do. |
| Total | | 26,017,533 | 5,274,406.42 | soles | |
| Portugal | 10 escudos | 506,000 | 5,060,000.00 | escudos | 835 silver, 165 copper. |
| | 5 escudos | 2,015,710 | 10,078,550.00 | escudos | 650 silver, 350 copper. |
| | 2½ escudos | 1,814,465 | 4,536,162.50 | escudos | Do. |
| | 20 centavos | 2,750,000 | 550,000.00 | escudos | 95 copper, 3 zinc, 2 tin. |
| | 10 centavos | 5,900,000 | 590,000.00 | escudos | Do. |
| Total | | 12,986,175 | 20,814,712.50 | escudos | |
| Portuguese India | 1 rupia | 900,000 | 6,300,000.00 | escudos | 500 silver, 420 copper, |
| Portuguese West Africa (Angola). | 50 centavos | 3,360,000 | 1,680,000.00 | escudos | 61 copper, 20 zinc, 19 nickel. |
| | 20 centavos | 7,850,000 | 1,570,000.00 | escudos | 95 copper, 3 zinc, 2 tin. |
| | 10 centavos | 10,000,000 | 1,000,000.00 | escudos | Do. |
| Total | | 21,210,000 | 4,250,000.00 | escudos | |
| San Tome and Principe. | 5 escudos | 100,000 | 500,000.00 | escudos | 650 silver, 350 copper. |
| | 2½ escudos | 120,000 | 300,000.00 | escudos | Do. |
| | 1 escudo | 60,000 | 60,000.00 | escudos | 61 copper, 20 zinc, 19 nickel. |
| | 50 centavos | 80,000 | 40,000.00 | escudos | Do. |
| Total | | 360,000 | 900,000.00 | escudos | |
| Saudi Arabia | 1 riyal | 3,300,000 | 3,300,000.00 | riyals | 916⅔ silver, 83⅓ copper. |
| Southern Rhodesia.[2] | Half crown | 800,000 | 100,000–0–0 | pounds | 75 copper, 25 nickel. |
| | Florin | 750,000 | 75,000–0–0 | pounds | Do. |
| | Shilling | 1,500,000 | 75,000–0–0 | pounds | Do. |
| | Sixpence | 1,000,000 | 25,000–0–0 | pounds | Do. |
| | Threepence | 2,000,000 | 25,000–0–0 | pounds | Do. |
| Total | | 6,050,000 | 300,000–0–0 | pounds | |
| Spain | 1 peseta | 15,000,000 | 15,000,000.00 | centimos | 90 copper, 10 aluminum. |
| | 10 centimos | 10,000,000 | 1,000,000.00 | centimos | 97.5 aluminum, 2.5 copper. |
| | 5 centimos | 3,000,000 | 150,000.00 | centimos | Do. |
| Total | | 28,000,000 | 16,150,000.00 | centimos | |
| Sweden | 2 kronor | 281,660 | 563,320.00 | kronor | 400 silver, 500 copper, 50 nickel, 50 zinc. |
| | 1 krona | 10,430,588 | 10,430,588.00 | kronor | Do. |
| | 50 ore | 1,731,400 | 865,700.00 | kronor | Do. |
| | 25 ore | 3,191,000 | 797,750.00 | kronor | Do. |
| | 10 ore | 10,418,650 | 1,041,865.00 | kronor | Do. |
| | 5 ore | 6,246,000 | 312,300.00 | kronor | Iron. |
| | 2 ore | 11,424,250 | 228,485.00 | kronor | Do. |
| | 1 ore | 15,442,000 | 154,420.00 | kronor | Do. |
| Total | | 59,165,548 | 14,394,428.00 | kronor | |
| Switzerland | 20 francs [3] | 500,000 | 10,000,000.00 | francs | 900 gold, 100 copper. |
| | 5 francs | 916,470 | 4,582,350.00 | francs | 835 silver, 165 copper |
| | 2 francs | 1,420,000 | 2,840,000.00 | francs | Do. |
| | ½ franc | 6,113,100 | 3,056,550.00 | francs | Do. |
| | 10 centimes | 1,000,000 | 100,000.00 | francs | 75 copper, 25 nickel. |
| | 5 centimes | 4,000,000 | 200,000.00 | francs | Do. |
| | 2 centimes | 10,197,400 | 203,948.00 | francs | 95 copper, 4 tin, 1 zinc. |
| | 1 centime | 10,500,000 | 105,000.00 | francs | Do. |
| Total | | 34,646,970 | 21,087,848.00 | francs | |

See footnotes at end of table.

*Coinage of nations during the year ended Dec. 31, 1948*—Continued

[So far as reported to the Director of the Mint]

[See also tables on "Characteristics of Coins in Circulation" for further description]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| Syria | 50 piasters | 3,000,000 | 1,500,000.00 | pounds | 600 silver, 400 copper. |
| | 25 piasters | 4,000,000 | 1,000,000.00 | pounds | Do. |
| Total | | 7,000,000 | 2,500,000.00 | pounds | |
| Thailand | 25 stang | 5,628,000 | 1,407,000.00 | baht | 90 tin, 10 copper. |
| | 10 stang | 5,160,000 | 516,000.00 | baht | Do. |
| Total | | 10,788,000 | 1,923,000.00 | baht | |
| Timor | 50 avos | 500,000 | 1,562,500.00 | escudos | 650 silver, 350 copper. |
| | 10 avos | 500,000 | 312,500.00 | escudos | 95 copper, 3 zinc, 2 tin. |
| Total | | 1,000,000 | 1,875,000.00 | escudos | |
| Turkey | 1 pound | 5,414,000 | 5,414,000.00 | pounds | 600 silver, 400 copper. |
| | 50 kurus | 2,424 | 1,212.00 | pounds | Do. |
| | 25 kurus | 1,246 | 311.50 | pounds | 70 copper, 30 zinc. |
| | 2½ kurus | 359,200 | 8,980.00 | pounds | Do. |
| | 1 kuru | 242,500 | 2,425.00 | pounds | Do. |
| Total | | 6,019,370 | 5,426,928.50 | pounds | |
| Union of South Africa. | 5 shillings | 782,072 | 195,518–0–0 | pounds | 800 silver, 200 copper. |
| | Half crown | 6,378 | 797–5–0 | pounds | Do. |
| | 2 shillings | 10,865 | 1,086–10–0 | pounds | Do. |
| | 1 shilling | 13,358 | 667–18–0 | pounds | Do. |
| | Sixpence | 2,333,443 | 58,336–1–6 | pounds | Do. |
| | Threepence | 3,137,289 | 39,216–2–3 | pounds | Do. |
| | Penny | 2,527,918 | 10,532–19–10 | pounds | 95 copper, 4.5 zinc, 0.5 tin. |
| | Half-penny | 939,976 | 1,955–19–10 | pounds | Do. |
| | Farthing | 2,695,021 | 2,807–6–3¼ | pounds | Do. |
| Total | | 12,446,320 | 310,918–2–8¼ | pounds | |
| United Kingdom.[4] | Half crown | 71,164,700 | 8,895,600–0–0 | pounds | 75 copper, 25 nickel. |
| | Florin | 67,553,600 | 6,755,400–0–0 | pounds | Do. |
| | Shilling | 90,928,900 | 4,546,400 0–0 | pounds | Do. |
| | Sixpence | 88,323,500 | 2,208,100–0–0 | pounds | Do. |
| | "Maundy" money. | 5,600 | 100–0–0 | pounds | 925 silver, 75 copper. |
| | Threepence | 4,230,400 | 52,900–0–0 | pounds | 79 copper, 20 zinc, 1 nickel. |
| | Penny | 63,961,200 | 266,500–0–0 | pounds | 95.5 copper, 3 tin, 1.5 zinc. |
| | Half penny | 26,947,200 | 56,100–0–0 | pounds | Do. |
| | Farthing | 16,622,400 | 17,300–0–0 | pounds | Do. |
| Total | | 429,737,600 | 22,798,400–0–0 | pounds | |
| Uruguay | 5 centesimos | 2,960,000 | 148,000.00 | pesos | 95.5 copper, 3 alumi num, 1.5 zinc. |
| | 2 centesimos | 8,100,000 | 162,000.00 | pesos | Do. |
| Total | | 11,060,000 | 310,000.00 | pesos | |
| Vatican City | 100 Vatican lire[5] | 5,000 | 500,000.00 | Vatican lire | Gold, 900 fineness. |
| | 10 Vatican lire | 50,000 | 500,000.00 | Vatican lire | Aluminum, magne sium, manganese. |
| | 5 Vatican lire | 50,000 | 250,000.00 | Vatican lire | Do. |
| | 2 Vatican lire | 65,000 | 130,000.00 | Vatican lire | Do. |
| | 1 Vatican lira | 120,000 | 120,000.00 | Vatican lire | Do. |
| Total | | 290,000 | 1,500,000.00 | Vatican lire | |

[1] Data not available.
[2] For Northern and Southern Rhodesia, and Nyasaland.
[3] Not in circulation.
[4] Source: The Economist, London, May 21, 1949.
[5] Not minted for circulation.

*Mints of the world in operation during the year ended Dec. 31, 1948*

[So far as reported to the Director of the United States Mint]

| Country | Name of mint | Location |
|---|---|---|
| United States | Philadelphia Mint | Philadelphia, Pennsylvania. |
| Do | San Francisco Mint | San Francisco, California. |
| Do | Denver Mint | Denver, Colorado. |
| Argentina | Casa de Moneda | Buenos Aires. |
| Australia | Royal Mint, Melbourne Branch | Melbourne, Victoria. |
| Do | Royal Mint, Perth Branch | Perth, Western Australia. |
| Austria | Osterreichisches Hauptmünzamt | Vienna. |
| Belgium | Administration des Monnaies | Bruxelles. |
| Bolivia | Casa de Moneda de Potosi | Potosi. |
| Brazil | Casa de Moeda, Praca Republica | Rio de Janeiro. |
| Canada | Royal Canadian Mint | Ottawa, Ontario. |
| Chile | Casa de Moneda y Especies Valoradas | Santiago. |
| Colombia | Casa de Moneda | Bogata. |
| Do | do | Medellin. |
| Costa Rica | Cuno Nacional | San Jose. |
| Czechoslovakia | State Mint | Kremmica, Slovakia. |
| Denmark | Dem Kongelige Mønt | Kobenhavn. |
| Finland | Rahapaja Mynverket | Helsinki. |
| France | Paris Mint | Paris. |
| Do | Beaumont-de Roger Mint | (Not stated). |
| Germany | Bayerisches Hauptmunzamt | Munchen. |
| Do | Wurttembergisches Münzamt | Stuttgart. |
| Do | Badische Münzerwaltung | Karlsruhe. |
| Do | Hamburgische Münze | Hamburg. |
| Guatemala | Casa Nacional de Moneda | Guatemala City. |
| Hungary | Hungarian State Mint | Budapest. |
| India | Indian Government Mint | Bombay. |
| Do | do | 47 Strand Road, Calcutta. |
| Do | do | Alipore, Calcutta. Under construction. |
| Do | do | Lahore. Transferred to Government of Pakistan in August 1947. |
| Iran | Tehran Mint | Tehran. |
| Italy | Zecca | Rome. |
| Japan | Mint Bureau, Finance Ministry, Japanese Government. | Osaka. |
| Do | Hiroshima Branch | Hiroshima Prefecture. |
| Do | Tokyo Branch | Tokyo. |
| Do | Kumamoto Sub-branch | Kumamoto. |
| Mexico | Casa de Moneda de Mexico | Mexico, D. F. |
| Netherlands | 's Rijks Munt | Utrecht. |
| Pakistan | Pakistan Government Mint | Lahore (India). Transferred from Indian Government in August 1947. |
| Peru | Casa Nacional de Moneda | Lima. |
| Portugal | Casa da Moeda | Lisbon. |
| Rumania | Bucharest Mint | Bucharest. |
| Spain | Fabrica Nacional de Moneda y Timbre | Madrid. |
| Sweden | Kungl. Mynt-och justeringsverket | Stockholm. |
| Switzerland | Swiss Federal Mint | Bern. |
| Thailand (Siam) | Royal Mint | No. 4, Chow Fah Road, Bangkok. |
| Turkey | Directorate of Mint and Stamp Printing House. | Istanbul. |
| Union of South Africa | South African Mint (since June 30, 1941) | Pretoria. |
| United Kingdom | Royal Mint | London. |
| Do | The Mint, Birmingham, Ltd. (private) | Birmingham. |

*Coins withdrawn from active circulation in various countries of the world during the year ended Dec. 31, 1948*

[So far as reported to the Director of the United States Mint]

| Country | Silver coin | |
|---|---|---|
| | Nominal value in monetary unit of issuing country | Approximate number of fine ounces of silver contained |
| United States [1] | 2,912,469 dollars | 1,982,797 |
| British West Africa | 15,999 pounds | [2] |
| British West Indies: Jamaica | 196 pounds | [2] |
| Canada | 50,302 dollars | 35,144 |
| Colombia | 125,000 pesos | 90,000 |
| Honduras | 1,308 lempiras | [2] |
| Iraq | 102,600 dinars | [2] |
| Japan | 158,416 sen | 47,756 |
| Jordan | 114,100 pounds | 24,800 |
| Malaya | 328,489 dollars | 211,157 |
| Mexico | 90,070,763 pesos | 34,748,694 |
| Netherlands | 4,035,980 florins | 953,012 |
| Newfoundland | 870 dollars | [2] |
| Panama | 123,000 balboas | [2] |
| Philippines | 38,717,110 pesos | 6,600,000 |
| Southern Rhodesia | 255,534 pounds | [2] |
| Sweden | 23,080 kronor | 122,277 |
| Switzerland | 227,000 francs | 29,739 |
| Syria | 539,000 pounds | 235,600 |
| Turkey | 2,928,275 pounds | 616,585 |
| Total reported | | 45,697,561 |

[1] In addition, United States gold coins with a face value of $170,061 were melted during the year, with a recovery of 4,859 fine ounces of gold.
[2] Data not available.

*Gold and silver in the form of old plate, jewelry, and other old material returned from use in the industrial arts by being deposited with the monetary authority in various countries of the world during the year ended Dec. 31, 1948*

[So far as reported to the Director of the United States Mint]

| Country | Gold | Silver |
|---|---|---|
| | *Fine ounces* | *Fine ounces* |
| United States | 169,068 | 245,857 |
| Canada | 20,321 | 3,420 |
| Italy | 45 | ---------- |
| Netherlands East Indies | 2,186 | ---------- |
| Union of South Africa | 26 | 152 |

*Estimated quantity of gold and silver used in the industrial arts in various countries of the world during the year ended Dec. 31, 1948*

[So far as reported to the Director of the United States Mint]

| Country | Gold | Silver | Country | Gold | Silver |
|---|---|---|---|---|---|
| | *Fine ounces* | *Fine ounces* | | *Fine ounces* | *Fine ounces* |
| United States | 1,574,500 | 105,289,000 | Luxembourg | [4] 700 | ---------- |
| Algeria | 20,000 | 322,000 | Macao | 350,000 | 60,000 |
| Austria | 19,400 | 231,800 | Madagascar | [4] 100 | ---------- |
| Belgium | 32,150 | 5,626,400 to 6,430,100 | Mexico | ---------- | 823,300 |
| Brazil | 96,500 | ---------- | Morocco | [5] 300 | [5] 3,300 |
| British Guiana | 4,600 | ---------- | Netherlands East Indies | 8,000 | 11,900 |
| Canada | 112,600 | 4,374,000 | Netherlands Guiana (Surinam) | 700 | 800 |
| Ceylon | [1] 3,600 | [1] 124,000 | New Zealand | 12,000 | ---------- |
| Colombia | 65,200 | 250,000 | Nicaragua | 2,100 | 600 |
| Czechoslovakia | 12,900 | 900,200 | Panama | [1] 4,100 | ---------- |
| Ecuador | 50 | 9,200 | Pakistan | 108,000 | 600,000 |
| Egypt | 911,400 | 2,008,500 | Paraguay | 1,000 | 3,200 |
| El Salvador | [2] 6,400 | ---------- | Peru | 23,100 | 3,226,600 |
| Finland | 15,400 | 387,800 | Philippines | 50,000 | 10,000 |
| Germany | [3] 18,600 | [3] 1,420,300 | Portugal | 214,400 | 1,337,100 |
| Guatemala | 700 | 20,000 | Sweden | 77,400 | ---------- |
| Honduras | 1,500 | 12,000 | Syria | [1] 48,200 | ---------- |
| Hong Kong | 358,000 | 42,000 | Union of South Africa | 37,700 | 128,500 |
| Japan | 47,500 | 123,100 | Venezuela | 55,600 | ---------- |
| Korea | 16,100 | 160,800 | Total reported | 4,400,000 | 128,000,000 |
| Lebanon | [1] 80,400 | ---------- | | | |

[1] Imports for industrial use during year.
[2] Sold by Central Bank to jewelers and dentists during year.
[3] For July–December only.
[4] Issued for dental use during year.
[5] Part only.

# CHARACTERISTICS OF COINS IN CIRCULATION

NOTE.—Thickness of coins may represent actual measurements when not specified in coinage laws. Leaders indicate no available information.

## UNITED STATES

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 dollar | 26.73 | 900 silver, 100 copper | 38.100 | 2.8956 |
| ½ dollar | 12.5 | do | 30.607 | 2.1844 |
| ¼ dollar | 6.25 | do | 24.257 | 1.7018 |
| ⅒ dollar | 2.5 | do | 17.907 | 1,3462 |
| 5 cents | 5 | 75 copper, 25 nickel | 21,209 | 1.9812 |
| Do | 5 | 56 copper, 35 silver, 9 manganese [1] | 21.209 | 1.9812 |
| 1 cent | 3.110 | 95 copper, 5 zinc and tin | 19.050 | 1.5748 |
| Do | 3.110 | 95 copper, 5 zinc [2] | 19.050 | 1.5748 |
| Do | 2.689 | Zinc-coated steel [3] | 19.050 | 1.5748 |

[1] Copper-silver-manganese 5-cent piece coined Oct. 1942–Dec. 1945, inclusive.
[2] Copper-zinc 1-cent piece coined 1944–46, inclusive.
[3] Zinc-coated steel 1-cent piece coined only during calendar year 1943.

## ALGERIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 francs | 12 | Aluminum-bronze [4] | 31 | 2.35 |
| 2 francs | 8 | 70 copper, 30 zinc | 27 | 2.10 |
| Do | 8 | Aluminum-bronze [4] | 27 | 1.90 |
| 1 franc | 4 | do | 23 | 1.50 |
| 50 centimes | 2 | do | 18 | 1.35 |

[4] Copper 900 to 915, aluminum 85 to 90, other metals less than 10 percent.

## ANGLO-EGYPTIAN SUDAN

[Egyptian coins and British florins and shillings (George V only) circulate in the Sudan]

## ARGENTINA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 20 centavos | 4 | 92 copper, 8 aluminum | 21 | 1.3 |
| Do | 4 | 75 copper, 25 nickel | 21 | 1.3 |
| 10 centavos | 3 | 92 copper, 8 aluminum | 19 | 1.2 |
| Do | 3 | 75 copper, 25 nickel | 19 | 1.2 |
| 5 centavos | 2 | 92 copper, 8 aluminum | 17 | 1 |
| Do | 2 | 75 copper, 25 nickel | 17 | 1 |
| 2 centavos | 3⅓ | 95 copper, 4 tin, 1 zinc | 20 | 1.1 |
| 1 centavo | 2 | do | 16 | 0.9 |

## AUSTRALIA

[Coins in active circulation at end of December 1947] [5]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| Crown | 28.2765 | 925 silver, 75 copper | 38.58 | 3 |
| Florin | 11.31036 | do | 28.68 | 2.14 |
| Do | 11.31036 | 75 copper, 25 nickel | 28.68 | 2.14 |
| Shilling | 5.6553 | 925 silver, 75 copper | 23.83 | 1.83 |
| Do | 5.6553 | 75 copper, 25 nickel | 23.83 | 1.83 |
| Sixpence | 2.8276 | 925 silver, 75 copper | 19.35 | 1.40 |
| Do | 2.8276 | 75 copper, 25 nickel | 19.35 | 1.40 |
| Threepence | 1.4138 | 925 silver, 75 copper | 16.13 | 1.04 |
| Penny | 9.4501 | 95.5 copper, 3.0 tin, 1.5 zinc | 30.81 | 2.03 |
| Halfpenny | 5.6700 | do | 25.48 | 1.62 |
| Other [6] | | | | |

[5] Latest available data.
[6] British silver coins of 500 fineness legal tender; quantity in circulation negligible.

## AUSTRIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2 schilling | 2.8 | 98.5 aluminum, 1.5 manganese | 28 | 2.0 |
| 1 schilling | 2.0 | do | 25 | 1.8 |
| 10 groschen | 3.5 | Zinc | 21 | 1.8 |
| 5 groschen | 2.5 | do | 19 | 1.5 |
| 1 groschen | 1.8 | do | 17 | 1.3 |
| 50 reichspfennig | 1.3 | Aluminum | 22.5 | 1.6 |
| 10 reichspfennig | 4 | 92 copper, 8 aluminum | 21 | 1.8 |
| Do | 3.5 | Zinc | 21 | 1.8 |
| 5 reichspfennig | 2.5 | 92 copper, 8 aluminum | 18 | 1.5 |
| Do | 2.5 | Zinc | 19 | 1.5 |
| 1 reichspfennig | 1.8 | do | 17 | 1.3 |

## BELGIAN CONGO

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 francs | 17.43 | 600 silver, 400 copper | 35 | 2.25 |
| 5 francs | 8 | 66⅔ copper, 33⅓ zinc | 27 | 2.00 |
| 5 francs | 13 | Copper, aluminum, nickel, zinc | 33 | 2.00 |
| 2 francs (hexagonal) | 6 | 66⅔ copper, 33⅓ zinc | 25/29 | 1.50 |
| 2 francs | 5 | do | 22 | 1.50 |
| 1 franc | 2.5 | do | 19 | 1.25 |
| Do | 10 | 75 copper, 25 nickel | 28 | 2.00 |
| 50 centimes | 6.5 | do | 24 | 1.75 |
| 20 centimes | 6 | do | 25 | 1.50 |
| 10 centimes | 4 | do | 22 | 1.25 |
| 5 centimes | 2.5 | do | 19 | 1.00 |

## BELGIUM

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 100 francs | 18 | 835 silver, 165 copper | 33 | |
| 50 francs | 12 | do | 30 | |
| 20 francs | 6.4516 | 900 gold, 100 copper | 21 | |
| 5 francs | 14 | Pure nickel | 31 | |
| Do | 12 | do | 31 | |
| Do | 9 | do | 25 | |
| Do | 6 | Zinc du commerce | 25 | |
| 2 francs | 2.75 | Iron | 19 | |
| 1 franc | 5 | Pure nickel | 23 | |
| Do | 4.5 | do | 21.5 | |
| Do | 4.25 | Zinc du commerce | 21.5 | |
| ½ franc | 2.5 | Pure nickel | 18 | |
| 25 centimes | 6.5 | 75 copper, 25 nickel | [7] 26–4.5 | |
| Do | 6.5 | 64 copper, 20 zinc, 16 nickel | [7] 26–3.5 | |
| Do | 6.5 | Zinc du commerce | 26 | |
| 10 centimes | 4 | 75 copper, 25 nickel | [7] 22–4 | |
| Do | 4 | Copper, zinc, 15/100 nickel minimum | 22 | |
| Do | 4 | 64 copper, 20 zinc, 16 nickel | [7] 22–3 | |
| Do | 4 | Zinc du commerce | 22 | |
| 5 centimes | 2.5 | 75 copper, 25 nickel | [7] 19–3.5 | |
| Do | 2.5 | Copper, zinc, 15/100 nickel minimum | 19 | |
| Do | 2.5 | 64 copper, 20 zinc, 16 nickel | [7] 19–2.5 | |
| Do | 2.5 | Zinc du commerce | 19 | |
| 2 centimes | 4 | Pure copper | 21.5 | |
| 1 centime | 2 | do | 16.5 | |

[7] Round with round hole in center.

## BOLIVIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 centavos | 5.5 | 95 copper, 5 zinc | 24.3 | 3.0 |
| 20 centavos | 3.25 | Zinc with impurities | 21.2 | 3.5 |
| 10 centavos | 1.75 | do | 17.9 | 2.5 |
| 10 centavos [8] | 2.5 | 75 copper, 25 nickel | 20 | 2.5 |
| 5 centavos [8] | 5.0 | do | 25 | 3.5 |

[8] Minor number in circulation.

## BRAZIL

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 cruzeiros | 9 | 90 copper, 8 aluminum, 2 zinc | 27 | |
| 2 cruzeiros | 8 | do | 25 | 2.00 |
| 1 cruzeiro | 7 | do | 23 | 2.00 |
| 50 centavos | 5 | do | 21 | 2.00 |
| 20 centavos | 4 | do | 19 | 1.75 |
| 10 centavos | 3 | do | 17 | 1.50 |

## BRITISH EAST AFRICA

[Coins in active circulation at end of December 1948] [9]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 shilling | | 250 silver, 700 copper, 50 manganese | | |
| 50 cents | | Silver | | |
| 10 cents | | Bronze | | |
| 5 cents | | do | | |
| 1 cent | | do | | |

[9] Silver coins in process of withdrawal.

## BRITISH GUIANA [10]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| British Guiana fourpence ("bit"). | 1.88506 | 500 silver | 16 | 1.5 |

[10] In addition, British coins circulate in the following denominations: Crown, half crown, florin, shilling, sixpence, threepence, penny, and halfpenny.

## BRITISH HONDURAS

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 cents | 11.6205 | Silver, 0.925 fineness | | |
| 25 cents | 5.8102 | do | | |
| 10 cents | 2.3241 | do | | |
| 5 cents | 3.6287 | 79 copper, 20 zinc, 1 nickel | | |
| 1 cent | 5.6700 | Bronze with ½ percent tin | | |

## BRITISH WEST AFRICA

[Coins in active circulation at end of December 1948] [9]

| | | | | |
|---|---|---|---|---|
| Florin | 11.31036 | 79 copper, 20 zinc, 1 nickel | | |
| Shilling | 5.65518 | do | | |
| Sixpence | 3.499 | do | | |
| Threepence | 5.184 | 80 copper, 20 nickel | | |
| Penny | 9.45 | do | | |
| Halfpenny | 5.67 | do | | |
| Tenthpenny | 1.944 | do | | |

[9] Silver coins in process of withdrawal.

## BURMA

[Coins of India legal tender in Burma in 1948]

## CANADA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 dollar | 23.3276 | 925 silver, 75 copper and 800 silver, 200 copper. | 35.9918 | 2.9718 |
| 50 cents | 11.6638 | | 29.6164 | 2.1336 |
| 25 cents | 5.8319 | | 23.5712 | 1.8288 |
| 10 cents | 2.3328 | | 17.7800 | 1.3462 |
| 5 cents | 1.1664 | | 15.4940 | 0.5842 |
| Do | 4.5359 | Pure nickel | 21.2090 to 21.2598 | 1.9050 |
| Do | 4.5359 | 88 copper, 12 zinc (Tombac) | 21.2090 | 1.9050 |
| Do | 4.5359 | Steel chrome plated | 21.2090 | 1.9050 |
| 1 cent | 3.2399 | 98 copper, 1.5 zinc, 0.5 tin | 19.0500 | 1.651 |

## CEYLON

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 50 cents | 5.508 | 79 copper, 20 zinc, 1 nickel | 24.130 | 1.854 |
| 25 cents | 2.754 | do | 18.034 | 1.499 |
| 10 cents | 4.212 | do | [11] | 1.372 |
| 5 cents | 3.888 | 75 copper, 25 nickel | [12] | 1.626 |
| Do | 3.888 | 79 copper, 20 zinc, 1 nickel | [12] | 1.626 |
| Do | 3.240 | do | [12] | 1.473 |
| 2 cents | 2.592 | do | [13] | 1.295 |
| 1 cent | 4.725 | Copper or 95.5 copper, 3 tin, 1.5 zinc | 22.352 | 1.727 |
| Do | 2.362 | Copper or 97 copper, 2.5 zinc, 0.5 tin | 22.352 | .864 |
| ½ cent | 2.362 | do | 18.034 | 1.549 |

[11] Across scallops, 22.860 mm. Inside scallops, 20.955 mm.
[12] Diagonally, 21.463 mm. Across flats, 18.237 mm.
[13] Across scallops, 18.415 mm. Inside scallops, 17.018 mm.

## CHILE

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 peso | 7.5 | 95.5 copper, 3.0 tin, 1.5 zinc | 25 | 2 |
| Do | 10 | 75 copper, 25 nickel | 29 | ---------- |
| 50 centavos | 4 | 95.5 copper, 3.0 tin, 1.5 zinc | 20.5 | 1.7 |
| 20 centavos | 3 | do | 18 | 1.6 |
| Do | 4.5 | 75 copper, 25 nickel | 22.5 | ---------- |
| 10 centavos | 2 | 95.5 copper, 3.0 tin, 1.5 zinc | 16.5 | ---------- |
| Do | 3 | 75 copper, 25 nickel | 19.5 | ---------- |
| 5 centavos | 2 | do | 16.5 | ---------- |

## COLOMBIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 centavos | 12.5 | 900 silver, 100 copper | 30 | 1.85 |
| Do | 12.5 | 500 silver, 400 copper, 50 nickel, 50 zinc | 30 | 1.85 |
| 20 centavos | 5 | 900 silver, 100 copper | 23 | 1.33 |
| Do | 5 | 500 silver, 400 copper, 50 nickel, 50 zinc | 23 | 1.33 |
| 10 centavos | 2.5 | 900 silver, 100 copper | 18 | 1.05 |
| Do | 2.5 | 500 silver, 400 copper, 50 nickel, 50 zinc | 18 | 1.05 |
| 5 centavos | 4 | 75 copper, 25 nickel | 21 | 1.30 |
| Do | 4 | 95 copper, 5 nickel | 21 | 1.30 |
| 2 centavos | 3 | 75 copper, 25 nickel | 19 | 1.25 |
| Do | 3 | 95 copper, 5 nickel | 19 | 1.25 |
| 1 centavo | 2 | 75 copper, 25 nickel | 17 | 1.05 |
| Do | 2 | 95 copper, 5 nickel | 17 | 1.05 |

## COSTA RICA

[Coins authorized by law No. 846 of March 18, 1947]

| | | | | |
|---|---|---|---|---|
| 2 colones | 14 | 75 copper, 25 nickel | 32 | 2.0 |
| 1 colon | 10 | do | 29 | 2.0 |
| 50 centimos | 7 | do | 26 | 1.7 |
| 25 centimos | 3.45 | do | 23 | 1.3 |
| 10 centimos | 2 | 95 copper, 4 zinc, 1 tin | 18 | 1.1 |
| 5 centimos | 1 | do | 15 | 1.0 |

## CUBA

[Coins in active circulation at end of December 1948] [14]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 peso | 26.7295 | 900 silver, 100 copper | 38.10 | 2.9 |
| 40 centavos | 10 | do | 29.06 | 1.8 |
| 20 centavos | 5 | do | 23.27 | 1.3 |
| 10 centavos | 2.5 | do | 17.91 | 1.3 |
| 5 centavos | 5 | 70 copper, 30 zinc and 75 copper, 25 zinc | 21.21 | 1.9 |
| 2 centavos | 3.5 | 75 copper, 25 zinc | 19.31 | 1.6 |
| 1 centavo | 2.305 | 70 copper, 30 zinc | 19.01 | 1.5 |
| Do | 2.5 | 75 copper, 25 zinc | 19.01 | 1.5 |

[14] United States coins also circulate.

## CYPRUS

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 18 piastres | 11.31036 | Silver 925, copper 75 | ---------- | ---------- |
| Do | 11.31036 | Copper 75, nickel 25 | ---------- | ---------- |
| 9 piastres | 5.65518 | Silver 925, copper 75 | ---------- | ---------- |
| Do | 5.65518 | Copper 75, nickel 25 | ---------- | ---------- |
| 1 piastre | 5.184 | Cupro-nickel | 23 | 1.5 |
| Do | 5.184 | Bronze with ½ percent tin | 23 | 1.5 |
| ½ piastre | 2.592 | Cupro-nickel | 19 | 1.0 |
| Do | 2.592 | Bronze with ½ percent tin | 19 | 1.0 |

## CZECHOSLOVAKIA

[Coins in active circulation at end of December 1948] [15]

| | | | | |
|---|---|---|---|---|
| 100 koruny | 14 | 500 silver, 400 copper, 50 nickel, 50 zinc | 31 | ---------- |
| 50 koruny | 10 | do | 28 | ---------- |
| 20 koruny | 12 | 700 silver | 34 | ---------- |
| 10 koruny | 10 | do | 30 | ---------- |
| 2 koruny | 6 | 80 copper, 20 nickel | 23.5 | ---------- |
| 1 koruna | 4.5 | do | 21 | ---------- |
| 1 koruna—Protectorate | 4.5 | Pure zinc | 23 | ---------- |
| 50 halers | 5 | 80 copper, 20 nickel | 22 | ---------- |
| Do | 3 | 92 copper, 8 zinc | 20 | ---------- |
| 50 halers—Slovakia [16] | 3.333 | 80 copper, 20 nickel | 20 | ---------- |
| Do [16] | .967 | Pure aluminum | 20 | ---------- |
| 50 halers—Protectorate [16] | 3.703 | Pure zinc | 22 | ---------- |
| 20 halers | 3.333 | 80 copper, 20 nickel | 20 | ---------- |
| Do | 2 | 92 copper, 8 zinc | 18 | ---------- |
| 20 halers—Slovakia [17] | .65 | Pure aluminum | 18 | ---------- |
| 20 halers—Protectorate [17] | 2.63 | Pure zinc | 20 | ---------- |
| 10 halers—Protectorate | 1.866 | do | 17 | ---------- |
| 10 halers—Slovakia | 1.666 | 92 copper, 8 zinc | 16 | ---------- |

[15] See prior year's report for coins withdrawn in 1947.
[16] Withdrawn Feb. 29, 1948.
[17] Withdrawn May 31, 1948.

## DENMARK

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2 kroner | 13.0 | 92 copper, 6 aluminum, 2 nickel | 31.5 | 2.45 |
| 1 krone | 6.5 | do | 25.5 | 1.90 |
| 25 øre | 4.5 | 75 copper, 25 nickel | 23.0 | 1.65 |
| Do | 4.5 | do | 23.0 | 1.50 |
| Do | 3.6 | Zinc | 23.0 | 1.65 |
| 10 øre | 3.0 | 75 copper, 25 nickel | 18.0 | 1.75 |
| Do | 3.0 | do | 18.0 | 1.50 |
| Do | 2.4 | Zinc | 18.0 | 1.65 |
| 5 øre | 7.6 | 95 copper, 4 tin, 1 zinc | 27.0 | 1.90 |
| Do | 2.4 | Aluminum | 27.0 | 1.75 |
| Do | 6.4 | Zinc | 27.0 | 1.80 |
| 2 øre | 3.8 | 95 copper, 4 tin, 1 zinc | 21.0 | 1.55 |
| Do | 1.2 | Aluminum | 21.0 | 1.50 |
| Do | 3.2 | Zinc | 21.0 | 1.45 |
| 1 øre | 1.9 | 95 copper, 4 tin, 1 zinc | 16.0 | 1.30 |
| Do | 1.6 | Zinc | 16.0 | 1.30 |

## DOMINICAN REPUBLIC [14]

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 peso | 26.7 | 900 silver, 100 copper | 38.100 | 2.8956 |
| ½ peso | 12.5 | do | 30.607 | 2.1844 |
| 25 centavos | 6.25 | do | 24.257 | 1.7018 |
| 10 centavos | 2.5 | do | 17.907 | 1.3462 |
| 5 centavos | 5 | 75 copper, 25 nickel | 21.209 | 1.9812 |
| 1 centavo | 3 | 95 copper, 5 zinc and tin | 19.050 | 1.5748 |

[14] United States coins also circulate.

## ECUADOR

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 sucres [18] | 25 | 720 silver, 280 copper | 37.5 | 2.93 |
| 2 sucres [18] | 10 | do | 28.75 | 1.95 |
| 1 sucre [18] | 5 | do | 23.5 | 1.56 |
| 1 sucre | 7 | Pure nickel | 26 | 1.56 |
| 20 centavos | 4 | 80 copper, 20 zinc | 21 | 1.54 |
| Do | 4 | 75 copper, 25 nickel | 21 | 1.54 |
| 10 centavos | 3 | 80 copper, 20 zinc | 19 | 1.25 |
| Do | 3 | 75 copper, 25 nickel | 19 | 1.25 |
| 5 centavos | 2 | 80 copper, 20 zinc | 17 | 1.04 |
| Do | 2 | 75 copper, 25 nickel | 17 | 1.04 |

[18] Minor number in circulation.

## EGYPT

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 500 piasters | 42.5 | 875 gold, 125 copper | 40 | |
| 100 piasters | 8.5 | do | 23 | |
| 50 piasters | 4.25 | do | 20 | |
| 20 piasters | 1.7 | do | 14.45 | |
| Do | 28 | 833⅓ silver, 166⅔ copper | 40 | |
| 10 piasters | 14 | do | 33 | |
| 5 piasters | 7 | do | 26 | |
| 2 piasters | 2.8 | do | 19 | |
| 1 piaster | 1.4 | do | 14.5 | |
| 10 milliemes | 5.5 | 75 copper, 25 nickel | 23 | |
| Do | 6 | 95 copper, 4 tin, 1 zinc | 25 | |
| 5 milliemes | 4 | 75 copper, 25 nickel | 21 | |
| 2½ milliemes | 3 | do | 20 | |
| 2 milliemes | 2.5 | do | 18 | |
| 1 millieme | 4.4 | 95 copper, 4 tin, 1 zinc | 23 | |
| ½ millieme | 3⅓ | do | 20 | |
| ¼ millieme | 2 | do | 18 | |

## EL SALVADOR

[Coins in active circulation at end of December 1948] [19]

| | | | | |
|---|---|---|---|---|
| 25 centavos | 7.5 | 900 silver, 100 copper | 29 | |
| 10 centavos | 7 | 75 copper, 25 nickel | 26 | |
| 5 centavos | 7 | do | 23 | |
| Do | 5 | 70 copper, 18 zinc, 12 nickel | 23 | |
| 3 centavos | 3.5 | 75 copper, 25 nickel | 20 | |
| 1 centavo | 2.5 | 95 copper, 5 zinc | 16 | |
| Do | 2.5 | 75 copper, 25 nickel | 16 | |

[19] United States dimes also circulate as 25-centavo denomination.

## ERITREA

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 shilling | | Silver | | |
| 50 cents | | do | | |
| 10 cents | | Bronze | | |
| 5 cents | | do | | |
| 1 cent | | do | | |

## ETHIOPIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 cents | 7.0307 | 800 silver, 200 copper and 700 silver, 300 copper. | 25 | 2 |
| 25 cents | 6.8039 | 95 copper, 5 zinc and 95 copper, 5 zinc and tin. | 26 | 1.8 |
| 10 cents | 6.0911 | do | 23 | 2.1 |
| 5 cents | 4.0175 | do | 20 | 1.8 |
| 1 cent | 2.8511 | do | 17 | 1.8 |

## FIJI

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Florin | 11.31036 | 500 silver, 500 copper | 28.6258 | 2.1590 |
| 1 shilling | 5.65518 | do | 23.8760 | 1.6510 |
| Sixpence | 2.82759 | do | 19.4310 | 1.3461 |
| Threepence (12-sided) | 6.15590 | 79 copper, 20 zinc, 1 nickel | 21.7170 | 2.4130 |
| Penny | 6.47990 | 75 copper, 25 nickel | 26.0858 | 1.9050 |
| Halfpenny | 3.23995 | do | 21.0058 | 1.6002 |

## FINLAND

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 20 markkaa | 13.000 | 92 copper, 6 aluminum, 2 nickel | 31.0 | |
| 10 markkaa | 8.000 | do | 27.0 | |
| 5 markkaa | 4.500 | do | 23.0 | |
| Do | 4.550 | 63 copper, 37 zinc | 23.0 | |
| 1 markka | 4.000 | 75 copper, 25 nickel | 21.0 | |
| Do | 4.000 | Pure copper, or; 95 copper, 4 tin, 1 zinc | 21.0 | |
| Do | 3.500 | Iron | 21.0 | |
| 50 penniä | 2.550 | 75 copper, 25 nickel | 18.5 | |
| Do | 2.550 | Pure copper, or; 95 copper, 4 tin, 1 zinc | 18.5 | |
| Do | 2.250 | Iron | 18.5 | |
| 25 penniä | 1.275 | 75 copper, 25 nickel | 16.0 | |
| Do | 1.275 | Pure copper, or; 95 copper, 4 tin, 1 zinc | 16.0 | |
| Do | 1.125 | Iron | 16.0 | |
| 10 penniä | 5.000 | Pure copper, or; 95 copper, 4 tin, 1 zinc | 22.0 | |
| Do | 2.550 | do | 18.5<br>[20] 3.5 | |
| Do | 1.125 | Iron | 16.0<br>[20] 3.0 | |
| 5 penniä | 2.500 | Pure copper, or; 95 copper, 4 tin, 1 zinc | 18.0 | |
| Do | 1.275 | do | 16.0<br>[20] 3.0 | |

[20] Perforation.

## FRANCE [21]

[Coins in active circulation at end of December 1947] [5]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 20 francs | 10 | 75 copper, 25 nickel | 30 | |
| 10 francs | 7 | do | 26 | |
| 5 francs | 12 | 91 copper, 9 aluminum | 30 | |
| Do | 3.5 | Aluminum | 31 | |
| 2 francs | 8 | 91 copper, 9 aluminum | 27 | |
| Do | 2.2 | Aluminum | 27 | |
| 1 franc | 4 | 91 copper, 9 aluminum | 23 | |
| Do | 1.3 | Aluminum | 23 | |
| 50 centimes | 2 | 91 copper, 9 aluminum | 18 | |
| Do | 0.7–0.8 | Aluminum | 18 | |

[5] Latest available data.
[21] Bronz-aluminum coins being withdrawn from circulation in metropolitan France and progressively placed in circulation in French overseas territories.

## GERMANY

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 pfennig | 2 | Iron kernel with copper plating | 16.5 | 1.35 |
| 50 reichspfennig | 1.33 | Pure aluminum | 22.5 | 1.64 |
| 10 reichspfennig | 4 | 91.5 copper, 8.5 aluminum | 21 | 1.81 |
| 10 rentenpfennig | 4 | do | 21 | 1.81 |

[Coins recalled from circulation Aug. 31, 1948]

| | | | | |
|---|---|---|---|---|
| 10 reichspfennig | 3.5 | Raw zinc | 21 | 1.81 |
| 5 reichspfennig | 2.5 | do | 19 | 1.54 |
| Do | 2.5 | 91.5 copper, 8.5 aluminum | 18 | 1.56 |
| 5 rentenpfennig | 2.5 | do | 18 | 1.56 |
| 1 reichspfennig | 1.8 | Raw zinc | 17 | 1.32 |

## GREAT BRITAIN

[Coins in active circulation at end of December 1948] [22]

| | | | | |
|---|---|---|---|---|
| Crown | 28.27590 | 500 silver, 400 copper, 50 nickel, 50 zinc; or 75 copper, 25 nickel. | 38.735 | 3.048 |
| Half crown | 14.13795 | do | 32.309 | 2.413 |
| Florin | 11.31036 | do | 28.499 | 2.413 |
| Shilling | 5.65518 | do | 23.622 | 1.905 |
| Sixpence | 2.82759 | do | 19.406 | 1.651 |
| Threepence | 1.41379 | do | 16.256 | 1.016 |
| Do | 6.80388 | 79 copper, 20 zinc, 1 nickel | 21.844 | 2.794 |
| Penny | 9.44984 | 95.5 copper, 3 tin, 1.5 zinc | 30.861 | 2.032 |
| Halfpenny | 5.66990 | do | 25.451 | 1.905 |
| Farthing | 2.83495 | do | 20.193 | 1.346 |

[22] Silver coins (except Maundy Money) are no longer coined but are in process of withdrawal from circulation, and are being replaced by the cupro-nickel coins authorized under the coinage act of 1946.

MAUNDY MONEY: (Does not actively circulate)

| | | | | |
|---|---|---|---|---|
| Fourpence | | 925 silver, 75 copper | | |
| Threepence | | do | | |
| Twopence | | do | | |
| Penny | | do | | |

## GUATEMALA

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 25 centavos | 8⅓ | 720 silver, 280 copper | 27 | 1.3 |
| 10 centavos | 3⅓ | do | 21 | .8 |
| 5 centavos | 1⅔ | do | 16 | .7 |
| 1 centavo | 3 | 70 copper, 30 zinc | 21 | 1.0 |
| ½ centavo | 1½ | do | 16 | .65 |

## HAITI

[Coins in active circulation at end of December 1948] [14]

| | | | | |
|---|---|---|---|---|
| 50 centimes | 9.88 | 75 copper, 25 nickel | 29 | 1.93 |
| 20 centimes | 7.55 | do | 26 | 1.83 |
| 10 centimes | 4 | do | 22 | 1.33 |
| 5 centimes | 2.65 | do | 20 | 1.14 |

[14] United States coins also circulate.

## HONDURAS [14]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 lempira | 12.5 | 900 silver, 100 copper | 31 | |
| 50 centavos | 6.25 | do | 24 | |
| 20 centavos | 2.5 | do | 18 | |
| 10 centavos | 7 | 75 copper, 25 nickel | 26 | |
| 5 centavos | 5 | do | 21 | |
| 2 centavos | 3 | 95 copper, 5 zinc and tin | 20 | |
| 1 centavo | 2 | do | 15 | |

[14] United States coins also circulate.

## HUNGARY

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 forints | 20.0 | 500 silver | 32 | 1.55 |
| 2 forints | 2.8 | Aluminum | 28 | 1.79 |
| 1 forint | 1.5 | do | 23 | 1.34 |
| 50 fillér | 1.0 | do | 22.5 | 1.50 |
| 20 fillér | 4.0 | 96 copper, 4 aluminum | 21 | 1.30 |
| 10 fillér | 3.0 | do | 19 | 1.38 |
| 5 fillér | 0.5 | Aluminum | 17.5 | 1.25 |
| 2 fillér | 3.0 | 90 copper, 10 zinc | 17 | 1.55 |

## ICELAND

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2 kronur | 9.5 | 92 copper, 6 aluminum, 2 nickel | 28 | 2.0 |
| 1 krona | 4.75 | do | 22.5 | 1.5 |
| 25 aurar | 2.4 | 75 copper, 25 nickel | 17 | 1.3 |
| Do | 2 | Zinc | 17 | 1.3 |
| 10 aurar | 1.5 | 75 copper, 25 nickel | 15 | 1.0 |
| Do | 1.25 | Zinc | 15 | 1.0 |
| 5 aurar | 6 | 95 copper, 4 tin, 1 zinc | 24 | 1.5 |
| Do | 6 | 97 copper, 2.5 zinc, 0.5 tin | 24 | 1.5 |
| 2 aurar | 3 | 95 copper, 4 tin, 1 zinc | 19 | 1.3 |
| Do | 3 | 97 copper, 2.5 zinc, 0.5 tin | 19 | 1.3 |
| 1 eyrir | 1.6 | 95 copper, 4 tin, 1 zinc | 15 | 1.0 |
| Do | 1.6 | 97 copper, 2.5 zinc, 0.5 tin | 15 | 1.0 |

## INDIA

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 rupee [23] | 11.6638 | 500 silver, 500 copper, zinc and nickel | 30.48 | |
| Do.[23] | 11.6638 | Pure nickel | 27.94 | |
| ½ rupee [23] | 5.8319 | 500 silver, 500 copper, zinc and nickel | 24.13 | |
| Do.[23] | 5.8319 | Pure nickel | 24.13 | |
| ¼ rupee [23] | 2.9160 | 500 silver, 500 copper, zinc and nickel | 19.05 | |
| Do.[23] | 2.9160 | 916⅔ silver, 83⅓ copper | 19.05 | |
| Do.[23] | 2.9160 | Pure nickel | 19.05 | |
| 2 annas [24] | 0.7452 | 916⅔ silver, 83⅓ copper | 15.24 | |
| Do.[24] | 5.8319 | 79 copper, 20 zinc, 1 nickel | [25]22.352<br>[26]25.40 | |
| Do.[24] | 5.8319 | 75 copper, 25 nickel | [25]22.352<br>[26]25.40 | |
| 1 anna [27] | 3.8879 | 79 copper, 20 zinc, 1 nickel | [28]21.0058<br>[29]19.7993 | |
| Do.[27] | 3.8879 | 75 copper, 25 nickel | [28]21.0058<br>[29]19.7993 | |
| ½ anna [24] | 2.9160 | 79 copper, 20 zinc, 1 nickel | [30]19.7612<br>[31]17.3736 | |
| Do.[24] | 2.9160 | 75 copper, 25 nickel | [30]19.7612<br>[31]17.3736 | |
| 2 pice | 12.96 | 95.5 copper, 3 tin, 1.5 zinc | 30.734 | |
| 1 pice [23] | 4.8599 | 97 copper, 2.5 zinc, 0.5 tin | 25.4 | |
| Do.[32] | 1.9940 | do | [33]21.336<br>[34]9.398 | |
| Do.[32] | | 95.5 copper, 3 tin, 1.5 zinc | | |
| Do.[32] | | 95 copper, 4 tin, 1 zinc | | |
| ½ pice [32] | 2.4300 | 97 copper, 2.5 zinc, 0.5 tin | 21.336 | |
| Do.[32] | | 95.5 copper, 3 tin, 1.5 zinc | | |
| Do.[32] | | 95 copper, 4 tin, 1 zinc | | |
| 1 pie [32] | 1.6200 | 97 copper, 2.5 zinc, 0.5 tin | | |

[23] Round.
[24] Square with rounded corners and unmilled edge.
[25] Across flat.
[26] Across corner.
[27] Sinuous edge with 12 scallops.
[28] Greatest.
[29] Least.
[30] Diagonal.
[31] Side.
[32] Round with round hole in center.
[33] Outside.
[34] Inside.

## INDOCHINA

[Coins in active circulation at end of December 1947. Silver coins of 50-cent denomination withdrawn from circulation by administrative order of April 24, 1947, published in Journal Officiel of May 1, 1947]

| | | | | |
|---|---|---|---|---|
| 1 piastre | 20 | 900 silver | 35 | 2.50 |
| 50 cents | 12.6 | 75 copper, 25 nickel | 30 | 2.44 |
| 20 cents | 7 | 90 nickel, 10 copper | 24 | 1.75 |
| Do | 7 | 75 nickel, 25 copper | 24 | 1.75 |
| Do | 2.2 | Aluminum | 27 | 1.80 |
| 10 cents | 3 | 90 nickel, 10 copper | 18 | 1.55 |
| Do | 3 | 75 nickel, 25 copper | 18 | 1.55 |
| Do | 1.3 | Aluminum | 23 | 1.55 |
| 5 cents | .75 | do | 20 | 1.32 |
| Do | .70 | do | 18 | 1.32 |
| 1 cent | .50 | do | 17 | 1.24 |

## IRAN

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 pahlavi | 8.13598 | 900 gold | 22 | |
| ½ pahlavi | 4.06799 | do | 19 | |
| 10 rials | 16 | 600 silver | 32 | |
| 5 rials | 8 | do | 26 | |
| 2 rials | 3.2 | do | 22 | |
| 1 rial | 1.6 | do | 18 | |
| 50 dinars | 3.49 | Copper | 20 | |
| Do | 3.49 | 91.5 copper, 8.5 aluminum | 20 | |
| 10 dinars | 2.68 | do | 18 | |
| 5 dinars | 1.65 | do | 16 | |

## IRAQ

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 200 fils (riyal) | 20 | 900 silver | 34.0 | |
| 50 fils (dirham) | 9 | 500 silver | 26.5 | |
| 20 fils | 3.6 | do | 20.5 | |
| 10 fils | 6.75 | Pure nickel | 25.0 | |
| 4 fils | 4 | do | 21.0 | |
| 2 fils | 5 | 95.5 copper, 3.0 tin, 1.5 zinc | 24.0 | |
| 1 fil | 2.5 | do | 19.5 | |

## IRELAND

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Half crown | 14.13795 | 750 silver, 250 copper | 32.385 | 2.286 |
| Florin | 11.31036 | do | 28.575 | 2.286 |
| Shilling | 5.65518 | do | 23.749 | 1.778 |
| Sixpence | 4.53593 | Pure nickel, and cupro-nickel 75/25 | 20.955 | 1.905 |
| Threepence | 3.23995 | do | 17.653 | 1.905 |
| Penny | 9.44984 | Mixed metal (copper, tin and zinc) | 30.861 | 1.905 |
| Halfpenny | 5.66990 | do | 25.527 | 1.778 |
| Farthing | 2.83495 | do | 20.193 | 1.524 |

## ITALY

[Coins in active circulation at end of December 1946] [5]

| | | | | |
|---|---|---|---|---|
| 10 lire | 3 | Aluminum-magnesium-manganese | 29 | |
| 5 lire | 2.5 | do | 26.7 | |
| 2 lire | 1.75 | do | 24.1 | |
| 1 lira | 1.25 | do | 21.6 | |

[5] Latest available data.

## JAMAICA, BRITISH WEST INDIES [35]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Three-penny | 6.80388 | 79 copper, 20 zinc, 1 nickel | 21.844 | 2.794 |
| Penny | 7.50 | do | 27.00 | |
| Halfpenny | 4.50 | do | 22.50 | |
| Farthing | 2.75 | do | 20.25 | |

[35] British coins also circulate. See *Great Britain*.

## JAPAN

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 5 yen | 4 | 67–70 copper, 30–40 zinc | 22 | 1.25 |
| 1 yen | 3.2 | do | 20 | 1.2 |
| 50 sen | 4.5 | do | 23.5 | 1.65 |
| Do | 2.8 | do | 19 | 1.2 |
| 10 sen | 1.5 | Pure aluminum | 22 | 1.8 |
| Do | 1.2 | do | 22 | 1.53 |
| Do | 1 | do | 22 | 1.27 |
| Do | 1 | do | 22 | 1.312 |
| Do [36] | 2.4 | 93 tin, 7 zinc | [37] 19<br>[38] 5 | 1.65 |
| Do [36] | 4 | 95 copper, 5 aluminum | [37] 22<br>[38] 4.6 | 1.71 |
| 5 sen [36] | 2.8 | do | [37] 19<br>[38] 4 | 1.48 |
| Do [36] | 1.95 | 93 tin, 7 zinc | [37] 17<br>[38] 4 | 1.65 |
| Do [36] | 2 | do | 17 | 1.48 |
| Do | 1.2 | Pure aluminum | 19 | 1.87 |
| Do | 1 | do | 19 | 1.61 |
| Do | 0.8 | do | 19 | 1.332 |
| 1 sen | 3.75 | 95 copper, 4 tin, 1 zinc | 23.03 | 1.37 |
| Do | 3.75 | 90 copper, 10 zinc | 23.03 | 1.32 |
| Do | 0.9 | Pure aluminum | 17.5 | 1.68 |
| Do | 0.65 | do | 16 | 1.57 |
| Do | 0.55 | do | 16 | 1.312 |
| Do | 1.3 | 50 tin, 50 zinc | 15 | 1.45 |

[36] Round with round hole in center.
[37] Outside.
[38] Inside.

## JORDAN

[Palestine coins in circulation in 1948]

## LEBANON

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 piasters | 10 | 680 silver, 320 copper | 28 | 2 |
| 25 piasters | 5 | do | 24 | 1.5 |
| 10 piasters | 2 | do | 17 | 1 |
| 5 piasters | 4.2 | Bronze-aluminum | 22.5 | 1.5 |
| 2½ piasters | 2.9 | do | 21 | 1.5 |
| 2 piasters | 1.9 | do | 18 | 1 |

## LIBERIA

[Coins in active circulation at end of December 1948] [39]

| | | | | |
|---|---|---|---|---|
| ½ dollar | 15.0 | | 29.5 | 2.00 |
| Quarter | 16.5 | | 23.5 | 1.25 |
| Dime | 2.5 | | 17.5 | 1.00 |
| 2 cents | 9.0 | | 29.0 | 1.25 |
| 1 cent | 5.5 | | 25.0 | 1.15 |
| ½ cent | 2.0 | | 17.5 | 1.00 |

[39] United States money chief circulating medium.

## LUXEMBOURG

[Coins in active circulation at end of December 1948] [40]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 100 francs | 25 | 835 silver, 165 copper | 37 | |
| 50 francs | 12.5 | do | 31 | |
| 20 francs | 8.5 | do | 27 | |
| 1 franc | 5 | Cupro-nickel | 23 | |
| Do | 6.5 | do | 24 | |
| 50 centimes | 3.5 | Pure nickel | 20.5 | |
| 25 centimes | 5.5 | Cupro-nickel | 25 | |
| Do | 2.5 | Bronze | 19 | |
| 10 centimes | 4 | Copper | 23 | |
| 5 centimes | 2.5 | do | 19 | |

[40] Belgian coins also circulate.

## MADAGASCAR

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2 francs (Chambre de Commerce). | 7.93 | | 26 | 1–7.5 |
| 2 francs (Republique Francaise). | 7.98 | | 26 | 1–8.5 |
| 1 franc (Chambre de Commerce). | 4.03 | | 23 | 1–0.3 |
| 1 franc (Republique Francaise). | 3.88 | | 23–9.5 | 1–2.25 |
| 1 franc (Croix de Lorraine) | 5.52 | | 25–4.5 | 1–0.2 |
| 50 centimes (Republique Francaise). | 2.04 | | 18–9.5 | 1–0.1 |
| 50 centimes (Croix de Lorraine). | 2.78 | | 20–0.1 | 1–0.1 |

## MALAYA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 dollar | 20.217 | 900 silver | | |
| Do | 16.348 | 500 silver | | |
| ½ dollar | 10.108 | 900 silver | | |
| Do | 8.424 | 500 silver | | |
| 20 cents | 5.430 | 800 silver | 23.2917 | |
| Do | 5.430 | 750 silver | 23.2917 | |
| Do | 5.430 | 600 silver | 23.2917 | |
| Do | 5.430 | 500 silver | 23.2917 | |
| Do | 5.430 | 400 silver | 23.2917 | |
| 10 cents | 2.715 | 800 silver | 18.0339 | |
| Do | 2.715 | 750 silver | 18.0339 | |
| Do | 2.715 | 600 silver | 18.0339 | |
| Do | 2.715 | 500 silver | 18.0339 | |
| Do | 2.715 | 400 silver | 18.0339 | |
| 5 cents | 1.357 | 800 silver | 15.6971 | |
| Do | 1.357 | 750 silver | 15.6971 | |
| Do | 1.357 | 600 silver | 15.6971 | |
| Do | 1.357 | 500 silver | 15.6971 | |
| Do | 1.357 | 400 silver | 15.6971 | |
| 1 cent | 5.832 | 75 copper, 25 nickel | | |
| Do | 5.832 | 95 copper, 4 tin, 1 zinc | | |
| Do | 4.212 | do | | |

## MEXICO

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 pesos | 30 | 900 silver, 100 copper | 40 | 3 |
| 1 peso | 14 | 500 silver, 400 copper, 60 nickel, 40 zinc | 32 | 2.28 |
| 20 centavos | 10 | 950 copper, 40 zinc, 10 tin | 28.5 | 2 |
| 10 centavos | 5.5 | 800 copper, 200 nickel | 23.5 | 1.8 |
| 5 centavos | 4.0 | do | 20.5 | 1.8 |
| Do | 6.5 | 950 copper, 40 zinc, 10 tin | 25.5 | 1.6 |
| 1 centavo | 3 | do | 20 | 1.5 |

## MOROCCO

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 20 francs | 10 | 75 copper, 25 nickel | [41] 30 | 1.2 |
| 10 francs | 7 | do | [41] 26 | 1.2 |
| 5 francs | 12 | 91 copper, 9 aluminum | [42] 31 | 2 |
| 2 francs | | do | [42] 27 | 2 |
| 1 franc | | do | [42] 22 | 1 |
| ½ franc | | do | [42] 18 | 1 |

[41] Milled.
[42] Smooth.

## NETHERLANDS

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Rijksdaalder (2½ gulden) | 25.000 | 720 silver, 280 copper | 38 | |
| Gulden | 10.000 | do | 28 | |
| Kwartje (25-cent) | 3.575 | 640 silver, 360 copper | 19 | |
| Do | 5.000 | Zinc | 26 | |
| Do | 3.000 | Nickel | 19 | |
| Dubbeltje (10 cent) | 1.400 | 640 silver, 360 copper | 15 | |
| Do | 3.300 | Zinc | 22 | |
| Do | 1.500 | Nickel | 15 | |
| Stuiver (5-cent) | 4.500 | 75 copper, 25 nickel | [43] 18 | |
| Do | 3.600 | Zinc | 18 | |
| Do | 3.500 | 95 copper, 4 tin, 1 zinc | 21 | |
| Halve stuiver (2½-cent) | 4.000 | do | 23.5 | |
| Do | 2.800 | Zinc | 20 | |
| Centstukken | 2.500 | 95 copper, 4 tin, 1 zinc | 19 | |
| Do | 2.000 | Zinc | 17 | |
| Do | 2.000 | 95 copper, 4 tin, 1 zinc | 17 | |

[43] Square.

## NETHERLANDS EAST INDIES

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2½ florin | 25.00 | 720 silver, 280 copper | 38.0 | 2.5 |
| 1 florin | 10.00 | do | 28.0 | 2.0 |
| 50 cents | 5.00 | do | 22.0 | 1.5 |
| 25 cents | 3.18 | do | 19.0 | 1.0 |
| 10 cents | 1.25 | do | 15.0 | 0.8 |
| 5 cents | 5.00 | 75 copper, 25 nickel | 21.0 | 1.5 |
| 2½ cents | 4.00 | Copper; or 95 copper, 5 tin and zinc; or 95 copper, 5 zinc. | 31.0 | 2.0 |
| 1 cent | 2.50 | do | 23.0 | 1.0 |
| ½ cent | 1.25 | do | 17.0 | 1.0 |

## NETHERLANDS GUIANA (SURINAM)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 2½ guilders | 25 | 720 silver, 280 copper | 38 | |
| 1 guilder | 10 | do | 28 | |
| ½ guilder | 5 | do | 22 | |
| ¼ guilder | 3.575 | 640 silver, 360 copper | 19 | |
| 1/10 guilder | 1.4 | do | 15 | |
| 5 cents | 4.5 | Nickel-silver | 18 | |
| 2½ cents | 4 | 95 copper, 4 zinc, 1 tin; or 70 copper, 30 zinc | 23.5 | |
| 1 cent | 2.5 | do | 19 | |

## NETHERLANDS WEST INDIES (CURACAO)

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| Rijksdaalder | 25 | 720 silver, 280 copper | 38 | |
| Gulden | 10 | do | 28 | |
| Kwartje | 3.575 | 640 silver, 360 copper | 19 | |
| Dubbeltje | 1.4 | do | 15 | |
| Stuiver | 4.5 | 75 copper, 25 nickel | [43] 18 | |
| 12½ cents | 4 | 95 copper, 4 zinc, 1 tin | 23.5 | |
| 1 cent | 2.5 | do | 19 | |
| ½ cent | 1.25 | 95 copper, 4 zinc, 1 tin; and 95 copper, 5 zinc | 14 | |

[43] Square.

## NEW ZEALAND [9]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Half crown | 14.13795 | 500 silver, 500 copper | 32.3088 | |
| Do | 14.13795 | 75 copper, 25 nickel | 32.3088 | |
| Florin | 11.31036 | 500 silver, 500 copper | 28.6004 | |
| Do | 11.31036 | 75 copper, 25 nickel | 28.6004 | |
| Shilling | 5.65518 | 500 silver, 500 copper | 23.6474 | |
| Do | 5.65518 | 75 copper, 25 nickel | 23.6474 | |
| Sixpence | 2.82759 | 500 silver, 500 copper | 19.4310 | |
| Do | 2.82759 | 75 copper, 25 nickel | 19.4310 | |
| Threepence | 1.41379 | 500 silver, 500 copper | 16.3068 | |
| Do | 1.41379 | 75 copper, 25 nickel | 16.3068 | |
| Pence | 9.44984 | do | 30.8 | |
| Half-pence | 5.66991 | do | 25.5 | |

[9] Silver coins in process of withdrawal.

## NEWFOUNDLAND

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 cents | 11.6638 | 925 silver, 75 copper | 29.6164 | 2.1336 |
| 25 cents | 5.8319 | do | 23.5712 | 1.8288 |
| 20 cents | 4.6655 | do | | |
| 10 cents | 2.3328 | 800 silver, 200 copper | 17.7800 | 1.3462 |
| 5 cents | 1.1664 | do | 15.4940 | 0.5842 |
| 1 cent | 3.2399 | 95 copper, 1.5 zinc, 0.5 tin | 19.0500 | 1.6510 |

## NICARAGUA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 cordoba | 25 | 900 silver, 100 copper | 38 | |
| 50 centavos | 12.5 | 800 silver, 200 copper | 30 | |
| Do | 8 | 75 copper, 25 nickel | 26 | |
| 25 centavos | 6.25 | 800 silver, 200 nickel | 24 | |
| Do | 5 | 75 copper, 25 nickel | 23 | |
| Do | 7.5 | 70 copper, 30 zinc | 27 | |
| 10 centavos | 2.5 | 800 silver, 200 copper | 18 | |
| Do | 4 | 75 copper, 25 nickel | 20 | |
| Do | 5.5 | 70 copper, 30 zinc | 24 | |
| 5 centavos | 3 | 75 copper, 25 nickel | 17 | |
| Do | 3.75 | 70 copper, 30 zinc | 21 | |
| Do | 5 | 75 copper, 25 nickel | 21 | |
| 1 centavo | 2.5 | 70 copper, 30 zinc | 18 | |
| Do | 4 | 95 copper, 5 zinc | 20 | |
| ½ centavo | 2 | do | 17 | |

## NORWAY

[Coins in active circulation at end of December 1946] [5]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 krone | 7 | 75 copper, 25 nickel | 25 | 5 |
| 50 øre | 4.8 | do | 22 | 4 |
| Do | 4 | Zinc | 22 | ---- |
| 25 øre | 2.4 | 75 copper, 25 nickel | 17 | 3 |
| Do | 2 | Zinc | 17 | ---- |
| 10 øre | 1.5 | 75 copper, 25 zinc | 15 | 3 |
| Do | 1.25 | Zinc | 15 | ---- |
| 5 øre | 8 | 95 copper, 4 tin, 1 zinc | 27 | ---- |
| Do | 7 | Iron | 27 | ---- |
| 2 øre | 4 | 95 copper, 4 tin, 1 zinc | 21 | ---- |
| Do | 3.5 | Iron | 21 | ---- |
| 1 øre | 2 | 95 copper, 4 tin, 1 zinc | 16 | ---- |
| Do | 1.75 | Iron | 16 | ---- |

[5] Latest available data.

## PALESTINE

[Coins in active circulation at end of December 1946] [44]

| | | | | |
|---|---|---|---|---|
| 100 mils | 11.6638 | 720 silver, 280 copper | 29 | ---- |
| 50 mils | 5.8319 | do | 23.6 | ---- |
| 20 mils | 11.3398 | 75 copper, 25 nickel | 30.5 | ---- |
| 10 mils | 6.4799 | do | 27 | ---- |
| 5 mils | 2.9160 | do | 20 | ---- |
| 2 mils | 7.7759 | 95.5 copper, 3 tin, 1.5 zinc | 28 | ---- |
| 1 mil | 3.2399 | do | 21 | ---- |

[44] Latest available data. Palestine coins also circulate in Israel and the Hashemite Kingdom of the Jordan.

## PANAMA (REPUBLIC OF) [14]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 balboa | 26.73 | 900 silver, 100 copper | 38 | 2.8956 |
| 0.50 balboa | 12.5 | do | 30 | 2.1844 |
| 0.25 balboa | 6.25 | do | 25 | 1.7018 |
| 0.10 balboa | 2.5 | do | 18 | 1.3462 |
| 0.05 balboa | 5 | 75 copper, 25 nickel | 21 | 1.9812 |
| 0.025 balboa | 3.30 | do | 18 | ---- |
| 0.0125 balboa | 3.11 | 95 copper, 5 nickel | 20 | 1.5748 |
| 0.01 balboa | 3.11 | 95 copper, 5 zinc | 19 | 1.5748 |

[14] United States coins also circulate.

## PAKISTAN

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 rupee | 11.6638 | Pure nickel | 27.94 | ---- |
| ½ rupee | 5.8319 | do | 24.13 | ---- |
| ¼ rupee | 2.9160 | do | 19.05 | ---- |
| 2 annas | 5.8319 | 75 copper, 25 nickel | 25.40 | ---- |
| 1 anna | 3.8879 | do | 21.01 | ---- |
| ½ anna | 2.9160 | do | 19.81 | ---- |
| 1 pice | 1.9440 | 97 copper, 2.5 zinc, 0.5 tin | 21.34 | ---- |

## PARAGUAY

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 centimos | 6 | 92 copper, 5 aluminum, balance not reported. | 25 | 1.5 |
| 25 centimos | 5 | do | 23 | 1.5 |
| 10 centimos | 4 | do | 21 | 1.45 |
| 5 centimos | 3 | do | 19 | 1.32 |
| 1 centimo | 2 | do | 17 | 1.10 |

## PERU

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 sol | 14 | 70 copper, 30 zinc | 33 | 1.97 |
| Do | 14 | 79 copper, 20 zinc, 1 nickel | 33 | 1.97 |
| ½ sol | 7.5 | 70 copper, 30 zinc | 27 | 1.55 |
| Do | 7.5 | 79 copper, 20 zinc, 1 nickel | 27 | 1.55 |
| 20 centavos | 7 | 75 copper, 25 nickel | 24 | 1.93 |
| Do | 7 | 70 copper, 30 zinc | 24 | 1.87 |
| 10 centavos | 4 | 75 copper, 25 nickel | 20 | 2.00 |
| Do | 4 | 70 copper, 30 zinc | 20 | 1.58 |
| 5 centavos | 3 | 75 copper, 25 nickel | 17 | 1.60 |
| Do | 3 | 70 copper, 30 zinc | 17 | 1.60 |
| 2 centavos | 10 | 95 copper, 3 tin, 2 zinc | 24 | 2.25 |
| Do | 5 | 95 copper, 5 zinc | 24 | 1.25 |
| 1 centavo | 5 | 95 copper, 3 tin, 2 zinc | 19 | 2.00 |
| Do | 2.5 | 95 copper, 5 zinc | 19 | .90 |

## PHILIPPINES

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 peso | 20 | 800 silver, 200 copper | ---------- | ---------- |
| 50 centavos | 10 | 750 silver, 250 copper | ---------- | ---------- |
| 20 centavos | 4 | do | ---------- | ---------- |
| 10 centavos | 2 | do | ---------- | ---------- |
| 5 centavos | 4.87 | 65 copper, 12 nickel, 23 zinc | ---------- | ---------- |
| 1 centavo | 5.184 | 95 copper, 5 zinc | ---------- | ---------- |

## PORTUGAL

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 10 escudos | 12.5 | 835 silver, 165 copper | 30 | 1.71 |
| 5 escudos | 7 | 650 silver, 350 copper | 25 | 1.43 |
| 2½ escudos | 3.5 | do | 20 | 1.12 |
| 1 escudo | 8 | 61 copper, 20 zinc, 19 nickel | 26.8 | 1.62 |
| 50 centavos | 4.5 | do | 22.8 | 1.27 |
| 20 centavos | 5 | 96 copper, 4 zinc [45] | 25 | 1.24 |
| Do | 3 | 95 copper, 3 zinc, 2 tin | 20.5 | 1.07 |
| 10 centavos | 4 | 96 copper, 4 zinc [45] | 22.5 | 1.19 |
| Do | 2 | 95 copper, 3 zinc, 2 tin | 17.5 | .96 |
| 5 centavos | 3 | 96 copper, 4 zinc [45] | 19 | 1.24 |

[45] By decree-law No. 37,120 dated Oct. 27, 1948, coins composed of 96 percent copper and 4 percent zinc withdrawn from circulation—5 centavos on Dec. 31, 1948; 10 and 20 centavos on June 30, 1949.

## PORTUGUESE EAST AFRICA (MOZAMBIQUE)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 10 escudos | 12.5 | 835 silver, 165 copper | 30.0 | 1.71 |
| 5 escudos | 7 | 650 silver, 350 copper | 25.0 | 1.43 |
| 2½ escudos | 3.5 | do | 20.0 | 1.12 |
| 1 escudo | 8 | 80 copper, 20 nickel | 26.8 | 1.62 |
| Do | 7.5 | 95 copper, 3 zinc, 2 tin | 26.8 | 1.62 |
| 50 centavos | 4 | do | 22.8 | 1.27 |
| Do | 4.5 | 80 copper, 20 nickel | 22.8 | 1.27 |
| 20 centavos | 5 | 96 copper, 4 zinc | 25.0 | 1.24 |
| Do | 3 | 95 copper, 3 zinc, 2 tin | 20.5 | 1.07 |
| 10 centavos | 4 | 96 copper, 4 zinc | 22.5 | 1.19 |

## PORTUGUESE INDIES

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 rupee | 11.664 | 916⅔ silver, 83⅓ copper | 30 | 1.68 |
| Do | 12 | 500 silver, 420 copper, 80 nickel | 30 | 1.85 |
| ½ rupee | 5.832 | 916⅔ silver, 83⅓ copper | 25 | 1.19 |
| Do | 5.6 | 75 copper, 25 nickel | 24 | 1.45 |
| ¼ rupee | 2.8 | do | 19 | 1.20 |
| 4 tangas | 4 | 80 copper, 20 nickel | 22.5 | 1.20 |
| 2 tangas | 3 | do | 19 | 1.20 |
| 1 tanga | 4 | 96 copper, 4 zinc | 22.5 | 1.20 |
| Do | 6 | 95 copper, 3 zinc, 2 tin | 25 | 1.50 |

## PORTUGUESE TIMOR

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 avos | 3.5 | 650 silver, 350 copper | 20 | 1.12 |
| 20 avos | 8 | 61 copper, 20 zinc, 19 nickel | 26.8 | 1.62 |
| 10 avos | 3 | 95 copper, 3 zinc, 2 tin | 20.5 | 1.07 |

## PORTUGUESE WEST AFRICA (ANGOLA)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 centavos | 4.5 | 61 copper, 20 zinc, 19 nickel | 22.8 | 1.27 |
| 20 centavos | 3 | 95 copper, 3 zinc, 2 tin | 20.5 | 1.07 |
| 10 centavos | 2 | do | 17.5 | .96 |

## PORTUGUESE WEST AFRICA (CAPE VERDE)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 escudo | 8 | 61 copper, 20 zinc, 19 nickel | 26.8 | 1.62 |
| 50 centavos | 4.5 | do | 22.8 | 1.27 |

## PORTUGUESE WEST AFRICA (GUINEA)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 escudo | 7.5 | 95 copper, 3 zinc, 2 tin | 26.8 | 1.07 |
| 50 centavos | 4 | do | 22.8 | 1.27 |

## PORTUGUESE WEST AFRICA (SAN TOME AND PRINCIPE)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 10 escudos | 12.5 | 835 silver, 165 copper | 30 | 1.71 |
| 5 escudos | 7 | 650 silver, 350 copper | 25 | 1.43 |
| 2½ escudos | 3.5 | do | 20 | 1.12 |
| 1 escudo | 8 | 80 copper, 20 nickel | 26.8 | 1.62 |
| Do | 8 | 61 copper, 20 zinc, 19 nickel | 26.8 | 1.02 |
| 50 centavos | 4.5 | do | 22.8 | 1.27 |

## RUMANIA

[Coins in active circulation at end of December 1948] [46]

| | | | | |
|---|---|---|---|---|
| 5 lei | 1.5 | Aluminum with 1.5 percent impurities | 23 | 2.0 |
| 2 lei | 3.5 | 63 copper, 37 zinc | 21 | 1.5 |
| 1 leu | 2.5 | do | 18 | 1.2 |
| 50 bani | 1.7 | do | 16 | 1.0 |

[46] The following denominations were retired as of Aug. 15, 1947: Silver, 100,000 lei and 10,000 lei; copper-zinc, 2,000 lei; and aluminum, 500 lei.

## SAUDI ARABIA

[Coins in active circulation at end of December 1948] [47]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 riyal | 11.6638 | 916 ⅔ silver, 83 ⅓ copper | 30.5054 | 1.67 |
| ½ riyal | 5.8319 | do | 24.3840 | 1.36 |
| ¼ riyal | 2.9160 | do | 19.5072 | 1.08 |
| 1 gurush | 6.5 | 75 copper, 25 nickel | 26 | 1.465 |
| ½ gurush | 5.5 | do | 23 | 1.46 |
| ¼ gurush | 4.25 | do | 20 | 1.405 |

[47] British and Australian gold sovereigns also circulate.

## SPAIN

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 peseta | 3.50 | 90 copper, 10 aluminum | 21 | 1.36 |
| 10 centimos | 1.85 | 97.5 aluminum, 2.5 copper | 23 | 1.75 |
| 5 centimos | 1.15 | do | 20 | 1.35 |

## SOUTHERN RHODESIA [48]

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Half-crown (2½ s.) | 14.13795 | 500 silver, 400 copper, 50 nickel, 50 zinc | 32.3089 | 2.3114 |
| Do | 14.13795 | 925 silver, 75 copper | 32.3089 | [49] |
| Do | 14.13795 | 75 copper, 25 nickel | 32.3089 | 2.3698 |
| Florin (2 s.) | 11.31036 | 500 silver, 400 copper, 50 nickel, 50 zinc | 28.4989 | 2.3114 |
| Do | 11.31036 | 925 silver, 75 copper | 28.4989 | [49] |
| Do | 11.31036 | 75 copper, 25 nickel | 28.4989 | 2.3343 |
| Shilling | 5.65518 | 500 silver, 400 copper, 50 nickel, 50 zinc | 23.5967 | 1.7526 |
| Do | 5.65518 | 925 silver, 75 copper | 23.5967 | [49] |
| Do | 5.65518 | 75 copper, 25 nickel | 23.5967 | 1.7780 |
| Sixpence | 2.82759 | 500 silver, 400 copper, 50 nickel, 50 zinc | 19.4057 | 1.3716 |
| Do | 2.82759 | 925 silver, 75 copper | 19.4057 | [49] |
| Do | 2.82759 | 75 copper, 25 nickel | 19.4057 | 1.4732 |
| Threepence | 1.41379 | 500 silver, 400 copper, 50 nickel, 50 zinc | 16.2561 | 1.0160 |
| Do | 1.41379 | 925 silver, 75 copper | 16.2561 | [49] |
| Do | 1.41379 | 75 copper, 25 nickel | 16.2561 | 1.0668 |
| Penny | 6.47989 | do | 27 | 1.6764 |
| Do | 6.47989 | 97 copper, 2.5 zinc, 0.5 tin | 27 | 1.6764 |
| Half-penny | 2.91595 | 75 copper, 25 nickel | 21 | 1.4478 |
| Do | 2.91595 | 97 copper, 2.5 zinc, 0.5 tin | 21 | 1.4478 |

[48] Coins of Southern Rhodesia circulate in Northern Rhodesia and Nyasaland where British coins also circulate.

[49] Thickness of coins of 925 fineness slightly less than for corresponding denominations of 500 fineness.

## SWEDEN

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 kronor | 25.00 | 900 silver, 100 copper | 36 | |
| 2 kronor | 15.00 | 800 silver, 200 copper | 31 | |
| Do | 14.00 | 400 silver, 500 copper, 50 nickel, 50 zinc | 31 | |
| 1 krona | 7.50 | 800 silver, 200 copper | 25 | |
| Do | 7.00 | 400 silver, 500 copper, 50 nickel, 50 zinc | 25 | |
| 50 ore | 5.00 | 600 silver, 400 copper | 22 | |
| Do | 4.80 | 400 silver, 500 copper, 50 nickel, 50 zinc | 22 | |
| Do | 4.80 | 75 copper, 25 nickel | 22 | |
| 25 ore | 2.42 | 600 silver, 400 copper | 17 | |
| Do | 2.32 | 400 silver, 500 copper, 50 nickel, 50 zinc | 17 | |
| Do | 2.40 | 75 copper, 25 nickel | 17 | |
| 10 ore | 1.45 | 400 silver, 600 copper | 15 | |
| Do | 1.44 | 400 silver, 500 copper, 50 nickel, 50 zinc | 15 | |
| Do | 1.50 | 75 copper, 25 zinc | 15 | |
| 5 ore | 8.00 | 95 copper, 4 tin, 1 zinc | 27 | |
| Do | 6.90 | Iron | 27 | |
| 2 ore | 4.00 | 95 copper, 4 tin, 1 zinc | 21 | |
| Do | 3.50 | Iron | 21 | |
| 1 ore | 2.00 | 95 copper, 4 tin, 1 zinc | 16 | |
| Do | 1.70 | Iron | 16 | |

## SWITZERLAND

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 5 francs | 15 | 835 silver, 165 copper | 31 | 2.6 |
| 2 francs | 10 | do | 27 | 2.2 |
| 1 franc | 5 | do | 23 | 1.6 |
| ½ franc | 2.5 | do | 18 | 1.35 |
| 20 centimes | 4 | Nickel | 21 | 1.8 |
| Do | 4 | 75 copper, 25 nickel | 21 | 1.8 |
| 10 centimes | 3 | Nickel | 19 | 1.55 |
| Do | 3 | 75 copper, 25 nickel | 19 | 1.55 |
| 5 centimes | 2 | Nickel | 17 | 1.35 |
| Do | 2 | 75 copper, 25 nickel | 17 | 1.35 |
| 2 centimes | 3 | 95 copper, 4 tin, 1 zinc | 20 | 1.45 |
| Do | 2.4 | Zinc | 20 | 1.45 |
| 1 centime | 1.5 | 95 copper, 4 tin, 1 zinc | 16 | 1.15 |
| Do | 1.2 | Zinc | 16 | 1.15 |

## SYRIA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 50 piasters | 10 | 680 silver, 320 copper | 28 | 2 |
| Do | 5 | 600 silver, 400 copper | 24 | 2 |
| 25 piasters | 5 | 680 silver, 320 copper | 24 | 1.5 |
| Do | 2.5 | 600 silver, 400 copper | 20 | 1.5 |
| 10 piasters | 2 | 680 silver, 320 copper | 17 | 1 |
| 5 piasters | 4.2 | Bronze-aluminum | 22.5 | 1.5 |
| Do | 3 | 75 copper, 25 nickel | 19 | 1.5 |
| 2½ piasters | 2.9 | Bronze-aluminum | 21 | 1.5 |
| Do | 2 | 75 copper, 25 nickel | 17 | 1.5 |
| 2 piasters | 1.9 | Bronze-aluminum | 18 | 1 |
| 1 piaster | 5 | Bronze-nickel | 24 | 1.5 |
| Do | 3.5 | Zinc | 24 | 1.5 |
| ½ piaster | 4 | Bronze-nickel | 21 | 1.5 |

## THAILAND (SIAM)

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Baht or tical | 15 | 900 silver, 100 copper | 30 | 2.45 |
| 50 satang | 7.5 | 650 silver, 350 copper | 25 | 2.00 |
| 25 satang | 3.75 | do | 20 | 1.55 |
| 50 satang | 5 | 90 tin, 10 copper | 25.5 | 1.85 |
| 25 satang | 2.5 | do | 20.5 | 1.20 |
| 20 satang | 6 | do | 22 | 2.65 |
| Do | 3 | 650 silver, 350 copper | 22 | 1.20 |
| 10 satang | 2.5 | do | 19 | 1.25 |
| Do | 3.5 | Pure nickel | 20.5 | 1.50 |
| Do | 5 | 90 tin, 10 copper | 20 | 2.00 |
| Do | 4 | do | 20 | 1.75 |
| Do | 1.75 | do | 17.5 | 1.15 |
| 5 satang | 3 | do | 17.5 | 1.95 |
| Do | 2.5 | do | 17.5 | 1.75 |
| Do | 1.25 | do | 15 | 1.20 |
| Do | 1.5 | 650 silver, 350 copper | 16.5 | 1.10 |
| Do | 2 | Pure nickel | 17.5 | 1.15 |
| 1 satang | 1.5 | 90 tin, 10 copper | 15 | 1.28 |
| Do | 5 | 95 copper, 4 tin, 1 zinc | 22 | 1.90 |
| Do | 3.5 | do | 20.5 | 1.50 |
| ½ satang | 2 | do | 19 | 1.10 |

## TURKEY

[Coins in active circulation at end of December 1948]

| Denomination | Gross weight | Composition (proportion of metals) | Diameter | Thickness |
|---|---|---|---|---|
| | *Grams* | | *Millimeters* | *Millimeters* |
| 1 lira (pound) | 12 | 830 silver, 170 copper | 29 | 1.82 |
| Do | 7.5 | 600 silver, 400 copper | 25 | 1.57 |
| 50 kurus (piasters) | 6 | 830 silver, 170 copper | 24 | 1.25 |
| Do | 4 | 600 silver, 400 copper | 20 | 1.15 |
| 25 kurus | 3 | 830 silver, 170 copper | 19 | 1 |
| Do | 3 | 65 bronze, 35 nickel | 19 | 1 |
| Do | 4.5 | 70 copper, 30 zinc | 22.5 | 1.35 |
| Do | 3.125 | do | 21 | 1.15 |
| 10 kurus | 6 | 75 copper, 25 nickel | 25.5 | 1.35 |
| 5 kurus | 4 | do | 21.5 | 1.28 |
| 1 kuru (piaster) | 2.5 | do | 18.5 | 1.18 |
| Do | 2.25 | 70 copper, 30 zinc | 18 | 1.15 |
| ¼ kuru | 2 | 91 copper, 9 aluminum | 17 | 1.18 |

## UNION OF SOUTH AFRICA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| Crown | 28.27590 | 800 silver, 200 copper | 38.735 | 2.4003 |
| Half crown | 14.13795 | do | 32.15631 | 1.727 |
| Florin | 11.31036 | do | 28.6253 | 1.75251 |
| Shilling | 5.65518 | do | 23.59619 | 1.2695 |
| Sixpence | 2.82759 | do | 19.32731 | 0.965 |
| Threepence | 1.41379 | do | 16.20512 | 0.66032 |
| Penny | 9.44984 | Mixed metal [50] | 30.9133 | 1.37151 |
| Halfpenny | 5.66990 | do | 25.52637 | 1.219 |
| Farthing | 2.83495 | do | 20.11671 | 0.99051 |

[50] Proportions at present: 95 copper, 4.5 zinc, 0.5 tin.

## URUGUAY

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 1 peso | 9 | 720 silver, 280 copper | 27 | |
| 50 centesimos | 7 | do | 24 | |
| 20 centesimos | 3 | do | 18.5 | |
| 10 centesimos | 6 | 91 copper, 9 aluminum | 25 | |
| 5 centesimos | 5 | 75 copper, 25 nickel | 23 | |
| Do | 5 | 95.5 copper, 3 tin, 1.5 zinc | 23 | |
| 2 centesimos | 3.5 | 75 copper, 25 nickel | 20 | |
| Do | 3.5 | 95.5 copper, 3 tin, 1.5 zinc | 20 | |
| 1 centesimo | 2 | 75 copper, 25 nickel | 17 | |

## VATICAN CITY

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 100 Vatican lire [51] | 5.1966 | 900 gold | 20.7 | |
| 10 Vatican lire | 3 | Aluminum-magnesium-manganese | 29 | |
| 5 Vatican lire | 2.5 | do | 27.6 | |
| 2 Vatican lire | 1.75 | do | 24.1 | |
| 1 Vatican lira | 1.25 | do | 21.6 | |

[51] Not coined for circulation.

## VENEZUELA

[Coins in active circulation at end of December 1948]

| | | | | |
|---|---|---|---|---|
| 5 bolivares | 25 | 900 silver, 100 copper | 37 | 2.38 |
| 2 bolivares | 10 | 835 silver, 165 copper | 27 | 1.98 |
| 1 bolivar | 5 | do | 23 | 1.33 |
| ½ bolivar | 2.5 | do | 18 | 0.99 |
| ¼ bolivar | 1.25 | do | 16 | 0.66 |
| 12½ centimos | 5 | 75 copper, 25 nickel | 23 | 1.59 |
| 5 centimos | 2.5 | do | 19 | 1.27 |

*World production of gold, 1943–48, by countries, in fine ounces* [1]

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

| Country [1] | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 |
|---|---|---|---|---|---|---|
| North America: | | | | | | |
| United States (including Alaska) [2] | 1,380,758 | 1,022,238 | 915,403 | 1,462,354 | 2,165,318 | 2,025,480 |
| Canada | 3,651,301 | 2,922,911 | 2,696,727 | 2,832,554 | 3,070,221 | 3,527,574 |
| Central America and West Indies: | | | | | | |
| Costa Rica [3] | 6,957 | 3,606 | 3,054 | 1,251 | 1,988 | 1,096 |
| Cuba | 51 | 39 | [3] 423 | 1,105 | 364 | 334 |
| Dominican Republic (exports) | 816 | 683 | 486 | 646 | | |
| Guatemala | 409 | [3] 126 | [3] 66 | [3] 36 | [3] 35 | [3] 16 |
| Haiti | 310 | 161 | [3] 73 | 41 | | |
| Honduras | 20,734 | 19,774 | 17,078 | 12,833 | 12,037 | 16,887 |
| Nicaragua (exports) | 220,430 | 222,635 | 206,360 | 203,390 | 213,454 | 222,627 |
| Panama | | | | | | 1,000 |
| Salvador (exports) | 28,411 | 22,813 | 16,526 | 21,798 | 10,755 | 20,778 |
| Mexico | 631,537 | 508,882 | 499,301 | 420,500 | 464,739 | 367,612 |
| Newfoundland | 18,735 | 18,329 | 15,354 | 15,751 | 13,583 | 12,252 |
| Total | 5,960,500 | 4,742,200 | 4,370,900 | 4,972,300 | 5,952,500 | 6,195,700 |
| South America: | | | | | | |
| Argentina | 16,300 | 5,369 | 3,381 | 8,038 | [4] 8,000 | (5) |
| Bolivia | 8,374 | 6,265 | 5,888 | 16,700 | 20,108 | [6] 4,063 |
| Brazil [4] | 191,300 | 178,300 | 212,200 | 175,000 | 167,000 | 156,900 |
| Chile | 269,807 | 243,883 | 180,462 | 230,880 | 168,855 | 156,521 |
| Colombia | 565,501 | 553,530 | 506,695 | 437,176 | 383,027 | 335,260 |
| Ecuador | 111,101 | 85,039 | 68,038 | 75,254 | 57,250 | 79,207 |
| Guiana: | | | | | | |
| British | 19,470 | 18,986 | 22,533 | 19,793 | 21,111 | 16,518 |
| French | 20,609 | 18,583 | 20,641 | 19,741 | 14,918 | 13,625 |
| Netherlands (Surinam) | 5,795 | 5,723 | 5,895 | 4,648 | 4,134 | 4,177 |
| Peru | 199,637 | 175,180 | 172,661 | 158,378 | 116,016 | 111,162 |
| Uruguay | [4] 1,000 | [4] 1,000 | [4] 1,000 | (5) | (5) | |
| Venezuela | 82,390 | 77,716 | 76,839 | 48,558 | 21,830 | 49,730 |
| Total | 1,491,000 | 1,370,000 | 1,276,000 | 1,194,000 | 982,000 | 935,000 |
| Europe: | | | | | | |
| Austria | 2,315 | | | | | (5) |
| Czechoslovakia | 8,404 | 5,014 | 1,529 | 1,903 | 2,090 | (5) |
| Finland | 9,337 | 9,800 | 6,633 | 7,327 | 11,285 | (5) |
| France | 34,112 | 21,959 | 39,738 | 48,355 | 32,890 | (5) |
| Hungary | [7] 61,350 | [7] 28,215 | 193 | 1,318 | 1,993 | (5) |
| Italy | 11,992 | 6,334 | 1,768 | (5) | (5) | (5) |
| Portugal | | | | | 15,754 | (5) |

See footnotes at end of table.

*World production of gold, 1943–48, by countries, in fine ounces* [1]—Continued

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

| Country [1] | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 |
|---|---|---|---|---|---|---|
| Europe—Continued | | | | | | |
| Rumania | 82, 370 | 74, 590 | 90, 987 | 80, 377 | 74, 686 | 90, 000 |
| Spain | | 1, 961 | 2, 025 | 3, 729 | 2, 714 | (5) |
| Sweden | 156, 606 | 112, 560 | 85, 585 | 91, 372 | 75, 586 | (5) |
| U. S. S. R. [4 8] | 4, 000, 000 | 4, 000, 000 | 5, 000, 000 | 6, 000, 000 | 7, 000, 000 | 7, 000, 000 |
| Total | 4, 400, 000 | 4, 300, 000 | 5, 200, 000 | 6, 200, 000 | 7, 200, 000 | 7, 300, 000 |
| Asia: | | | | | | |
| China | 88, 184 | | | | 107, 535 | (5) |
| Cyprus | 5, 480 | 958 | | | | |
| Formosa | 52, 364 | 25, 917 | 592 | (5) | 7, 750 | 13, 115 |
| India | 252, 228 | 188, 206 | 168, 366 | 131, 775 | 171, 704 | 180, 114 |
| Indochina, French [9] | 64 | 13 | | | | |
| Japan | 230, 071 | 168, 438 | 65, 300 | 43, 154 | 57, 597 | 69, 819 |
| Korea | 490, 009 | 656, 678 | 96, 452 | 193, 000 | 329, 000 | [10] 2, 098 |
| Malayan Union | 2, 213 | 1, 212 | 287 | 445 | 5, 312 | 10, 212 |
| Philippines, Republic of the | [11] 13, 764 | | [11] 13, 490 | 360 | 64, 441 | 209, 225 |
| Saudi Arabia | 42, 643 | [6] 8, 683 | [6] 37, 972 | 48, 000 | 52, 000 | 74, 000 |
| U. S. S. R. | (8) | (8) | (8) | (8) | (8) | (8) |
| Total | 1, 177, 000 | 1, 050, 000 | 383, 000 | 425, 000 | 795, 000 | 600, 000 |
| Africa: | | | | | | |
| Bechuanaland | 12, 966 | 11, 575 | 11, 297 | 9, 739 | 7, 381 | 1, 507 |
| Belgian Congo [12] | 451, 171 | 364, 204 | 346, 971 | 331, 304 | 301, 445 | 299, 774 |
| Cameroun, French | 21, 798 | 20, 416 | 16, 300 | 11, 927 | 11, 574 | (5) |
| Egypt | 890 | 1, 036 | 3, 014 | 2, 793 | 2, 090 | 3, 853 |
| Eritrea | 83 | 169 | [4] 322 | 3, 411 | 3, 674 | (5) |
| Ethiopia | [4] 48, 000 | [6] 38, 156 | [6] 56, 176 | [6] 51, 528 | [6] 27, 382 | (5) |
| French Equatorial Africa | 93, 462 | 84, 106 | 76, 069 | 71, 535 | 70, 170 | 63, 715 |
| French Guinea | (5) | (5) | (5) | 4, 405 | 7, 395 | 88, 029 |
| French West Africa | 7, 973 | 8, 777 | 6, 945 | 7, 009 | 5, 564 | 20, 512 |
| Gold Coast | 567, 282 | 523, 225 | 539, 252 | 585. 910 | 505, 153 | 672, 388 |
| Kenya | 45, 118 | 42, 259 | 38, 517 | 29, 892 | 21, 959 | 23, 429 |
| Liberia | 30, 823 | 30, 772 | [6] 9, 016 | 16, 506 | 16, 987 | 13, 797 |
| Madagascar | 9, 195 | 9, 388 | 6, 430 | 3, 890 | (5) | 2, 095 |
| Morocco, French | 2, 476 | 2, 572 | 161 | (5) | (5) | (5) |
| Nigeria | 15, 323 | 7, 916 | 8, 108 | 4, 881 | 2, 203 | 2, 899 |
| Portuguese East Africa | 6, 481 | 7, 577 | 7, 897 | 5, 766 | 4, 441 | 5, 427 |
| Portuguese West Africa | 2, 000 | 1, 296 | 822 | 552 | 360 | 443 |
| Rhodesia: | | | | | | |
| Northern | 703 | 307 | 265 | [13] 6, 838 | [13] 779 | 180 |
| Southern | 656, 684 | 592, 729 | 568, 241 | 544, 596 | 522, 735 | 514, 440 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Sierra Leone | 2,748 | 1,026 | 274 | 183 | 2,400 | 2,193 |
| South-West Africa | 155 | 97 | 83 | 67 | 34 | 455 |
| Sudan | 2,127 | 1,820 | 1,623 | 3,670 | 3,725 | (5) |
| Swaziland | 2,734 | 2,299 | 3,583 | 4,914 | 5,637 | 3,110 |
| Tanganyika (exports) | 72,723 | 55,148 | 49,302 | 48,428 | 47,317 | 57,557 |
| Uganda (exports) | 3,820 | 2,593 | 2,295 | 2,176 | 1,535 | 1,158 |
| Union of South Africa | 12,804,379 | 12,279,629 | 12,224,629 | 11,927,165 | 11,200,281 | 11,584,849 |
| Total | 14,861,000 | 14,089,000 | 13,978,000 | 13,679,000 | 12,776,000 | 13,412,000 |
| Oceania: | | | | | | |
| Australia: | | | | | | |
| Commonwealth [14] | 751,279 | 656,867 | 657,212 | 824,480 | 937,654 | 890,428 |
| New Guinea | | | | 661 | 59,202 | 86,556 |
| Fiji | 61,505 | 40,407 | 94,964 | 82,402 | 94,353 | 93,059 |
| New Zealand | 149,150 | 142,287 | 128,364 | 119,271 | 112,260 | 93,903 |
| Total | 961,934 | 839,561 | 880,540 | 1,026,814 | 1,203,469 | 1,163,946 |
| World total [1 4] | 28,900,000 | 26,400,000 | 26,100,000 | 27,500,000 | 28,900,000 | 29,600,000 |

[1] Figures used derived in part from American Bureau of Metal Statistics. For some countries accurate figures are not possible to obtain owing to clandestine trade in gold. Data not available for Bulgaria, Germany, Norway, Sarawak, and Yugoslavia; estimate not included in total. In addition, production in Burma, Indonesia, and Papua was negligible; and Thailand produced none in 1943–47.
[2] Refinery production. Excludes production of the Philippines.
[3] Imports into United States.
[4] Estimate.
[5] Data not available; estimate included in total.
[6] Exports.
[7] Includes gold mined in Transylvania which temporarily formed part of Hungary.
[8] Output from U. S. S. R. in Asia included with U. S. S. R. in Europe.
[9] Lode only.
[10] South Korea only.
[11] Figure published by Director of the Mint, representing gold of Philippine origin refined but not necessarily mined during the year.
[12] Includes Ruanda-Urundi.
[13] Included in above data is yield from Nkana mine refinery slimes accumulated during the war; 6,594 ounces in 1946 and 547 in 1947.
[14] Includes New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, and Western Australia.

*World production of silver, 1943–48, by countries, in fine ounces* [1]

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

| Country [1] | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 |
|---|---|---|---|---|---|---|
| North America: | | | | | | |
| United States [2] | 40,874,050 | 35,651,049 | 29,046,047 | 21,103,269 | 38,587,069 | 39,228,468 |
| Canada | 17,344,569 | 13,627,109 | 12,942,906 | 12,544,100 | 11,773,619 | 14,569,280 |
| Central America and West Indies: | | | | | | |
| Costa Rica [3] | 1,154 | 3,506 | 1,380 | 604 | 1,470 | 3,029 |
| Cuba | [3] 142,420 | [3] 42,985 | [3] 107,195 | 127,222 | 146,932 | 185,216 |
| Honduras | 3,161,901 | 3,115,352 | 3,003,495 | 2,682,910 | 2,413,399 | 3,170,871 |
| Nicaragua (exports) | 251,901 | 248,529 | 240,197 | 260,637 | 213,417 | 212,463 |
| Salvador (exports) | 202,064 | 305,922 | 223,705 | 313,180 | 265,104 | 216,342 |
| Mexico | 76,633,062 | 65,460,073 | 61,097,727 | 43,263,132 | 58,843,863 | 57,519,703 |
| Newfoundland | 1,258,708 | 1,163,206 | 1,076,129 | 1,107,827 | 956,052 | 882,263 |
| Total | 139,870,000 | 119,618,000 | 107,739,000 | 81,403,000 | 113,201,000 | 115,988,000 |
| South America: | | | | | | |
| Argentina | 2,319,194 | 1,695,000 | 2,760,000 | 3,090,000 | [4] 2,435,400 | [4] 1,201,900 |
| Bolivia (exports) | 7,299,730 | 6,797,631 | 6,683,561 | 6,106,165 | 6,233,354 | 7,562,208 |
| Brazil | 30,048 | 28,722 | 28,385 | 21,968 | 20,293 | 23,095 |
| Chile | 1,093,543 | 1,171,895 | 1,070,219 | 823,220 | 981,048 | 990,450 |
| Colombia | 209,950 | 197,323 | 168,699 | 151,971 | 110,352 | 109,188 |
| Ecuador | 362,013 | 441,345 | 235,500 | 192,200 | 156,931 | 226,664 |
| Peru | 14,659,742 | 15,832,440 | 12,997,741 | 12,334,150 | 10,782,909 | 10,421,502 |
| Total | 25,974,000 | 26,164,000 | 23,944,000 | 22,720,000 | 20,770,000 | 20,535,000 |
| Europe: | | | | | | |
| Austria | 11,028 | 13,960 | ---------- | ---------- | (5) | (5) |
| Czechoslovakia [4] | 740,000 | 675,000 | 300,000 | 600,000 | 1,400,000 | 1,600,000 |
| Finland | 87,579 | 90,344 | 45,236 | 146,929 | 188,821 | (5) |
| France | 310,737 | 240,134 | 350,025 | 535,213 | (5) | (5) |
| Germany | (5) | (5) | (5) | (5) | (5) | [6] 867,459 |
| Hungary | 1,124,311 | [7] 614,300 | [7] 3,200 | 14,854 | (5) | (5) |
| Italy | 239,845 | 81,052 | 1,382 | 298,400 | 460,900 | 601,000 |
| Norway | 231,485 | 170,399 | 131,818 | 202,550 | 228,270 | 147,900 |
| Rumania | 78,994 | 71,310 | 189,610 | (5) | 481,264 | (5) |
| Spain | 656,422 | 778,016 | 497,661 | 669,009 | 638,192 | [4] 206,000 |
| Sweden | 1,306,220 | 1,292,299 | 1,135,178 | 1,294,935 | 1,088,656 | (5) |
| United Kingdom | 33,885 | 33,742 | 26,808 | 23,285 | 25,000 | 25,000 |
| Total [4] | 14,000,000 | 13,000,000 | 10,000,000 | 11,000,000 | 14,000,000 | 15,000,000 |
| Asia: | | | | | | |
| Burma | ---------- | ---------- | ---------- | ---------- | ---------- | [4] 450,000 |
| China | (5) | (5) | (5) | (5) | 1,747 | (5) |

| | | | | | | |
|---|---|---|---|---|---|---|
| Cyprus | 17,282 | 4,882 | | | | |
| Formosa | 224,367 | 127,873 | 3,156 | (5) | (5) | 6,870 |
| India | 18,611 | 14,299 | 14,154 | 9,821 | 12,422 | (5) |
| Japan | 6,376,553 | 5,029,341 | [8] 853,377 | 1,281,625 | 1,909,433 | 2,231,261 |
| Korea | 2,829,265 | 2,577,525 | | [4] 130,500 | [4] 195,400 | [9] 38,505 |
| Philippines, Republic of | 26,071 | | 17,208 | 3,600 | 6,586 | 150,760 |
| Saudi Arabia | 47,008 | [10] 7,290 | [10] 28,255 | 29,475 | (5) | (5) |
| Total [4] | 10,000,000 | 8,000,000 | 1,000,000 | 1,500,000 | 2,200,000 | 3,000,000 |
| Africa: | | | | | | |
| Algeria | 15,432 | 48,612 | 14,661 | 39,996 | (5) | (5) |
| Bechuanaland | 1,221 | 1,319 | 1,237 | 1,704 | 1,086 | 233 |
| Belgian Congo | 3,105,762 | 2,732,813 | 4,141,016 | 5,047,666 | 4,057,295 | 3,805,619 |
| Gold Coast (exports) | 50,288 | 56,820 | 36,666 | 54,525 | (5) | (5) |
| Kenya | 16,354 | 11,500 | 16,659 | 5,493 | 3,859 | 3,184 |
| Morocco, French | 85,714 | 65,427 | 107,609 | 117,157 | (5) | (5) |
| Nigeria | [4] 2,100 | 1,079 | 1,106 | 666 | 2,130 | 4,270 |
| Portuguese East Africa | 559 | 844 | 998 | 805 | 734 | 712 |
| Rhodesia, Northern | 41 | | 2,269 | [11] 634,392 | [11] 73,277 | |
| Rhodesia, Southern | 119,322 | 103,776 | 95,975 | 95,168 | 91,900 | 81,404 |
| Southwest Africa | | | | | | 301,168 |
| Swaziland | | 78 | 163 | | 211 | 124 |
| Tanganyika (exports) | 18,304 | 17,120 | 21,377 | 21,096 | 20,794 | 25,010 |
| Tunisia | 8,906 | 35,205 | 34,369 | 60,122 | (5) | (5) |
| Uganda (exports) | 468 | 306 | 275 | 205 | (5) | (5) |
| Union of South Africa | 1,334,042 | 1,213,051 | 1,243,426 | 1,207,373 | 1,147,694 | 1,170,951 |
| Total | 4,759,000 | 4,288,000 | 5,718,000 | 7,287,000 | 5,620,000 | 5,613,000 |
| Oceania: | | | | | | |
| Australia: | | | | | | |
| Commonwealth [12] | 10,329,830 | 9,365,726 | 8,076,740 | 9,045,280 | 9,527,140 | 10,057,519 |
| New Guinea | | | | | [13] 35,421 | (5) |
| Fiji | 19,047 | 9,355 | 29,398 | 26,351 | 33,237 | 29,187 |
| New Zealand | 280,786 | 328,281 | 244,544 | 224,341 | 221,984 | 232,563 |
| Total | 10,630,000 | 9,703,000 | 8,351,000 | 9,296,000 | 9,818,000 | 10,360,000 |
| World total [1 4] | 205,200,000 | 180,800,000 | 156,800,000 | 133,200,000 | 165,600,000 | 171,000,000 |

[1] Silver is also produced in Bulgaria, Greece, Hong Kong, Malayan Union, Indonesia, Poland, Portugal, Sarawak, Sierra Leone, Turkey, U. S. S. R., and Yugoslavia; production data are not available, but estimates are included in totals.
[2] Excludes Republic of the Philippines.
[3] Imports into the United States. Scrap is included in this figure in many instances, most notably in the case of Cuba.
[4] Estimate.
[5] Data not available; estimate included in total.
[6] Bizonal area.
[7] Data represent Trianon Hungary subsequent to October 1944.
[8] January to March, inclusive.
[9] South Korea only.
[10] Exports.
[11] Recovered from an accumulation of refinery slimes.
[12] Includes New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, and Western Australia.
[13] Fiscal year ended May 31 of year following that stated.

The following data were received after publication of statistics for the calendar year 1948 in the prior year's report.

*Coinage of nations during the year ended Dec. 31, 1947*

[See the Report of the Director of the United States Mint for the fiscal year ended June 30, 1948, for coinage of other countries]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| Australia | Florin | 40,490,000 | 4,049,000-0-0 | pounds | 500 silver, 400 copper, 50 nickel, 50 zinc. |
| | Shilling | 892,000 | 44,600-0-0 | pounds | Do. |
| | Threepence | 3,760,000 | 47,000-0-0 | pounds | Do. |
| | Penny | 10,624,800 | 44,270-0-0 | pounds | 95.5 copper, 3 tin, 1.5 zinc. |
| | Halfpenny | 9,292,800 | 19,360-0-0 | pounds | Do. |
| Total | | 65,059,600 | 4,204,230-0-0 | pounds | |
| Argentina | 20 centavos | 23,165,000 | 4,633,000.00 | pesos | 92 copper, 8 aluminum. |
| | 10 centavos | 36,430,000 | 3,643,000.00 | pesos | Do. |
| | 5 centavos | 22,520,000 | 1,126,000.00 | pesos | Do. |
| | 2 centavos | 4,395,000 | 87,900.00 | pesos | 95 copper, 4 tin, 1 zinc. |
| | 1 centavo | 5,630,000 | 56,300.00 | pesos | Do. |
| Total | | 92,140,000 | 9,546,200.00 | pesos | |
| British Honduras | 5 cents | 40,000 | 2,000.00 | dollars | 79 copper, 20 zinc, 1 nickel. |
| | 1 cent | 100,000 | 1,000.00 | dollars | 95.5 copper, 3 tin, 1.5 zinc. |
| Total | | 140,000 | 3,000.00 | dollars | |
| British West Africa (revised). | Florin | 4,608,000 | 460,000-0-0 | pounds | 79 copper, 20 zinc, 1 nickel. |
| | Shilling | 103,400,000 | 5,170,000-0-0 | pounds | Do. |
| | Sixpence | 6,120,000 | 153,000-0-0 | pounds | Do. |
| | Threepence | 16,168,000 | 202,100-0-0 | pounds | Do. |
| | Pence | 17,549,640 | 73,123-0-0 | pounds | 75 copper, 25 nickel. |
| | Halfpence | 7,637,760 | 15,912-0-0 | pounds | Do. |
| | Farthing | 4,116,000 | 1,715-0-0 | pounds | |
| Total | | 159,599,400 | 6,075,850-0-0 | pounds | |
| Chile | 1 peso | 2,200,000 | 2,200,000.00 | pesos | 95.5 copper, 3 tin, 1.5 zinc. |
| | 10 centavos | 15,700,000 | 1,570,000.00 | pesos | Do. |
| Total | | 17,900,000 | 3,770,000.00 | pesos | |
| Costa Rica | 25 centimos | 7,600,000 | 1,900,000.00 | colones | 75 copper, 25 nickel. |
| Germany | 10 reichspfennig | 1,268,993 | 126,899.30 | reichsmarks | Raw zinc. |
| | 5 reichspfennig | 2,900,000 | 145,000.00 | reichsmarks | Do. |
| Total | | 4,168,993 | 271,899.30 | reichsmarks | |
| Guernsey | 8 doubles | 240,000 | 1,000.00 | pounds | 95 copper, 4 tin, 1 zinc. |
| Iceland | 10 aurar | 3,000,000 | 300,000.00 | kronur | 75 copper, 25 nickel. |
| Iraq | 1 fils | 2,000,000 | 2,000.00 | dinars | 95.5 copper, 3 tin, 1.5 zinc. |
| Iceland | Sixpence | 800,000 | 20,000-0-0 | pounds | 75 copper, 25 nickel. |
| Jersey | Penny | 240,000 | 1,000-0-0 | pounds | 95.5 copper, 3 tin, 1.5 zinc. |
| Mauritius | 10 cents | 500,000 | 50,000.00 | rupees | 75 copper, 25 nickel. |
| New Zealand* | Penny (revised) | 5,760,000 | 24,000-0-0 | pounds | 95.5 copper, 3 tin, 1.5 zinc. |
| | Half penny (revised). | 2,726,400 | 5,680-0-0 | pounds | Do. |

*See prior year's report for coinage of halfcrowns, florins, shillings, sixpence, and threepence of cupronickel (75-25).

*Coinage of nations during the year ended Dec. 31, 1947*—Continued

[See the Report of the Director of the United States Mint for the fiscal year ended June 30, 1948, for coinage of other countries]

| Country | Denomination | Number of pieces coined | Nominal value in monetary unit of issuing country | | Composition |
|---|---|---|---|---|---|
| Palestine | 10 mils | 1,000,000 | 10,000-0-0 | pounds | 75 copper, 25 nickel. |
| | 5 mils | 1,000,000 | 5,000-0-0 | pounds | Do. |
| Total | | 2,000,000 | 15,000-0-0 | pounds | |
| Thailand (Siam) | 25 satangs | 4,416,000 | 1,104,000.00 | baht | 90 tin, 10 copper. |
| | 10 satangs | 28,790,000 | 2,879,000.00 | baht | Do. |
| | 5 satangs | 24,420,000 | 1,221,000.00 | baht | Do. |
| Total | | 57,626,000 | 5,204,000.00 | baht | |
| United Kingdom | Halfcrown | 19,851,503 | 2,481,437-0-0 | pounds | 75 copper, 25 nickel. |
| | Florin | 18,400,279 | 1,840,028-0-0 | pounds | Do. |
| | Shilling | 24,403,834 | 1,220,192-0-0 | pounds | Do. |
| | Sixpence | 25,428,059 | 635,702-0-0 | pounds | Do. |
| | Penny | 52,220,400 | 217,585-0-0 | pounds | 95.5 copper, 3 tin, 1.5 zinc. |
| | Halfpenny | 21,266,400 | 44,305-0-0 | pounds | Do. |
| | Farthing | 14,745,600 | 15,360-0-0 | pounds | Do. |
| | *Maundy money* | | | | |
| | Fourpence | 1,375 | 23-0-0 | pounds | 925 silver, 75 copper. |
| | Threepence | 1,375 | 17-0-0 | pounds | Do. |
| | Twopence | 1,479 | 12-0-0 | pounds | Do. |
| | Penny | 1,387 | 6-0-0 | pounds | Do. |
| Total | | 176,321,691 | 6,454,667-0-0 | pounds | |

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