ANNUAL REPORT OF
THE DIRECTOR OF THE MINT

FOR THE FISCAL YEAR ENDED JUNE 30

1950

INCLUDING REPORT ON

THE PRODUCTION OF THE PRECIOUS METALS

FOR THE CALENDAR YEAR

1949

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1951

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D.C. - Price 35 cents (paper)

TREASURY DEPARTMENT

Document No. 3171

Director of the Mint

CONTENTS

	Page
Operations of the Mint Service during the fiscal year 1950	1
Production and consumption of gold and silver in the United States during the calendar year 1949	13
Addenda:	
Statistical tables (*see* p. 37 for list of tables)	35
World monetary statistics (*see* p. 75 for list of tables)	75

ILLUSTRATION

Alben W. Barkley Medal	Facing 1

REPORT OF THE DIRECTOR OF THE MINT ON THE OPERATIONS OF THE MINT SERVICE FOR THE FISCAL YEAR 1950

ALBEN W. BARKLEY GOLD MEDAL



OBVERSE



REVERSE

ANNUAL REPORT OF THE DIRECTOR OF THE MINT

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
Washington, D. C., August 11, 1950.

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, 1950, being the Seventy-eighth 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 1949.

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 1950 seven field institutions were in operation: Coinage mints at Philadelphia, San Francisco, and Denver; assay offices at New York City and Seattle; gold bullion depository at Fort Knox, Ky.; and silver bullion depository at 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 1950 the number of employees of the departmental and field institutions totaled 943 compared with 1,272 at the beginning of the year.

Domestic coinage.—Production of United States coins during the fiscal year 1950 totaled 497,271,759 pieces with a value of $22,107,498.66.

The gross weight of the coins totaled 2,056 tons. Subsidiary silver coins consumed 10,779,819 fine ounces (370 tons) of silver. Minor coins consumed 1,484 tons of copper, 98 tons of nickel, and 63 tons

of zinc and tin. Production of each mint is shown in the following table:

United States coinage during the fiscal year 1950

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER					
Half dollars [1]	$3,253,463.50	$2,128,045.50	$2,677,602	$8,059,111.00	16,118,222
Quarter dollars	2,890,548.50	432,000.00	662,200	3,984,748.50	15,938,994
Dimes	530,257.30	1,351,000.00	977,000	2,858,257.30	28,582,573
Total silver	6,674,269.30	3,911,045.50	4,316,802	14,902,116.80	60,639,789
MINOR					
Five-cent pieces (cupro-nickel)	2,516,577.70		1,032,250	3,548,827.70	70,976,554
One-cent pieces (bronze)	1,732,404.16	588,600.00	1,335,550	3,656,554.16	365,655,416
Total minor	4,248,981.86	588,600.00	2,367,800	7,205,381.86	436,631,970
Total domestic coinage	10,923,251.16	4,499,645.50	6,684,602	22,107,498.66	497,271,759

[1] Includes 536,099 Booker T. Washington commemorative half dollars.

Foreign coinage.—Coins produced for seven other governments during the fiscal year 1950 totaled 94,267,944 pieces containing 873 tons of metals. These included 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 1950

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	10,300,000	3,200,000	4,140,000	17,640,000
El Salvador: 5 centavos	70 copper, 18 zinc, 12 nickel.	77.16		2,000,000		2,000,000
Ethiopia:						
10 cents	95 copper, 5 zinc	94	16,000,000			16,000,000
5 cents	do	62	16,000,000			16,000,000
Total			32,000,000			32,000,000
Haiti:						
10 centimes	75 copper, 25 nickel	61.73	5,000,000			5,000,000
5 centimes	do	42.44	10,000,000			10,000,000
Total			15,000,000			15,000,000
Honduras:						
5 centavos	75 copper, 25 nickel	77.16	2,000,000			2,000,000
2 centavos	95 copper, 5 zinc and tin	46.30	3,000,000			3,000,000
1 centavo	do	30.86	4,000,000			4,000,000
Total			9,000,000			9,000,000
Mexico: 1 peso	902.7 silver, 97.3 copper	417.81		750,000		750,000
Venezuela:						
¼ bolivar	835 silver, 165 copper	19.29		4,477,944		4,477,944
12½ centimos	75 copper, 25 nickel	77.16		6,000,000		6,000,000
5 centimos	do	38.58		7,400,000		7,400,000
Total				17,877,944		17,877,944
Grand total			66,300,000	23,827,944	4,140,000	94,267,944

Issue of domestic coins.—United States coins issued by the mints during the fiscal year totaled 500,914,823 pieces with a value of $31,261,074.82. Denominations were as follows:

Denomination	Number of pieces issued	Face value
Silver dollars	5,951,406	$5,951,406.00
Half dollars	10,574,887	5,287,443.50
Quarter dollars	31,210,850	7,802,712.50
Dimes	65,784,522	6,578,452.20
5-cent pieces	44,178,226	2,208,911.30
1-cent pieces	343,214,932	3,432,149.32
Total	500,914,823	31,261,074.82

Stock of coins.—The estimated stock of coins in the United States as of June 30, 1950, totaled $1,872,619,658, of which $492,582,858 were silver dollars, $1,001,573,600 were subsidiary coins, and $378,463,200 were minor coins.

Medals.—The number of service medals and other distinguishing devices delivered to the Department of Defense and other Government departments and agencies totaled 29,570 during the fiscal year 1950. In addition, there were 6,073 medals sold to the public.

The outstanding medal made during the year was the gold medal, authorized by Congress, honoring Vice President Alben W. Barkley. An illustration of this medal appears opposite page 1 of this report.

Engraving department.—During the fiscal year 1950 the engraving department issued a total of 4,361 coinage dies, of which 3,517 were domestic and 844 were foreign dies.

Bullion deposit transactions.—Bullion deposit transactions at the mints and assay offices totaled 10,589, including 16 intermint transfers during the fiscal year 1950. These transactions required a total of 17,905 assay determinations, including 638 determinations for intermint transfers.

Acquisitions of gold.—Deposits and purchases of gold during the fiscal year totaled $585,760,504.89, classified as follows:

[On quantity basis, see Bases Used for Mint Service Statistics]	*Value*
Purchases at $20.67+ per fine ounce	$2,412.48
Increment to $35 per fine ounce	1,673.45
Purchases at $35 per fine ounce	572,191,745.88
Domestic coin transferred (melted)	257,993.35
Intermint transfers	13,306,679.73
Total value at $35 per ounce	585,760,504.89

Acquisitions of silver.—During the fiscal year deposits and purchases of silver totaled 107,885,995 fine ounces, classified as follows:

[On quantity basis, see Bases Used for Mint Service Statistics]	*Number of fine ounces*
Newly mined domestic silver	38,228,805
Silver contained in gold deposits, etc	95,326
Silver received in exchange for Government-stamped bars	380,883
Recoinage bullion from uncurrent subsidiary coin	1,860,299
Recoinage bullion from uncurrent silver dollars	205,400
Intermint transfers of silver	117,373
Deposits of silver in trust by foreign governments	11,991,097
Redeposits [1]	55,006,812
Total	107,885,995

[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 2,267,708 fine ounces of gold and 2,317,468 fine ounces of silver by the electrolytic process. In addition, 3,078,190 fine ounces of gold and silver were subject to fire process only.

Issue bars manufactured.—The mints and assay offices manufactured a total of 79,899 issue bars containing 18,179,815 fine ounces of gold and a total of 1,197 issue bars containing 310,343 fine ounces of silver during the fiscal year.

Stock of unrefined bullion.—At the close of the fiscal year the stock of unrefined bullion at the mints and assay offices, in terms of the assayed fine metal content, amounted to 953 tons of gold and 510 tons of silver.

Monetization of silver bullion.—Silver certificates in the amount of $34,275,555 were issued by the Treasury during the fiscal year against 26,510,000 fine ounces of silver bullion valued at $1.29+ per fine ounce, the statutory monetary value of silver. Seigniorage, representing the difference between the cost and the monetary value of silver, amounted to $11,026,197.04.

Sales of gold and silver for industrial use.—Sales of gold bars to licensed purchasers for industrial, professional, and artistic use totaled $82,724,085.89 during the fiscal year. There were no sales of silver under the act of July 31, 1946 (60 Stat. 750) during the period. Sales of gold, by month, during the fiscal year 1950, were as follows:

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

Month	Value of gold bars issued	Month	Value of gold bars issued
1949:		1950:	
July	$4,076,225.42	January	$7,106,230.21
August	10,647,513.49	February	5,978,765.96
September	11,124,872.74	March	4,414,414.39
October	11,558,868.47	April	3,635,490.33
November	9,051,202.69	May	2,818,062.61
December	6,789,276.86	June	5,523,162.72
		Total	82,724,085.89

Stock of monetary bullion.—The United States stock of gold bullion held by the mint institutions totaled 692,304,800 fine ounces valued at $24,230,633,002 on June 30, 1950. On the same date the mint institutions held 1,151,473,202 fine ounces of silver bullion and, in addition, 180,714,089 fine ounces of silver bullion in special custody account for the Treasurer of the United States. This latter class of silver was formerly held by the Office of Reconstruction Finance Corporation, and is being melted and cast into regular mint bars over a period of time.

Receipts and disbursements of gold bullion.—Receipts and disbursements of gold bullion during the fiscal year 1950, and balances on hand June 30, 1950, as compared with June 30, 1949, are shown in the following table:

Institution	Balance on hand June 30, 1949	Receipts during fiscal year 1950 (details below) [1]	Total	Disbursements during fiscal year 1950 (details below) [1]	Balance on hand June 30, 1950
Philadelphia	$2,508,838.05	$4,209,094.35	$6,717,932.40	$2,745,407.51	$3,972,524.89
San Francisco	476,205,581.57	32,756,856.44	508,962,438.01	839,486.21	508,122,951.80
Denver	5,754,736,869.13	22,312,925.64	5,777,049,794.77	2,941,329.89	5,774,108,464.88
New York	5,748,340,090.06	429,984,426.98	6,178,324,517.04	718,049,517.41	5,460,274,999.63
Seattle	959,004.19	8,791,801.48	9,750,805.67	9,012,105.14	738,700.53
Fort Knox	12,483,415,360.28		12,483,415,360.28		12,483,415,360.28
Total	24,466,165,743.28	498,055,104.89	24,964,220,848.17	733,587,846.16	24,230,633,002.01

[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 receipts
Philadelphia	$1,714,369.55	$3,270.53	$2,491,274.35	$179.92	$4,209,094.35
San Francisco	23,736,380.90	4,327.67	9,015,605.14	542.73	32,756,856.44
Denver	22,303,760.86	9,063.42		101.36	22,312,925.64
New York	428,158,562.67	24,042.43	1,800,964.20	837.68	429,984,426.98
Seattle	8,790,733.96	1,042.54		24.98	8,791,801.48
Fort Knox					
Total	484,703,827.94	41,746.59	13,307,843.69	1,686.67	498,055,104.89

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 disbursements
Philadelphia	$925,794.13	$1,800,964.20	$18,649.18	$2,745,407.51
San Francisco	803,894.74		35,591.47	839,486.21
Denver	2,936,399.71		4,930.18	2,941,329.89
New York	715,315,149.32	2,494,774.35	239,593.74	718,049,517.41
Seattle		9,012,105.14		9,012,105.14
Fort Knox				
Total	719,981,237.90	13,307,843.69	298,764.57	733,587,846.16

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 1950. 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 1950

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	192,721	192,732	76,055	193	11		
Coining	1,542	1,556	1,470	1	14		
San Francisco Mint:							
Melting and refining	5,641,151	5,641,590	2,236,168	5,641	439		
Coining					1		
Denver Mint:							
Melting and refining	17,273,107	17,273,212	17,273,212	17,273	105		
Coining							
New York Assay Office:							
Melting and refining	19,218,057	19,218,563	9,450,002	19,218	507		
Total melting and refining	42,326,036	42,326,097	29,035,437	42,325	1,062		
Total coining	1,542	1,556	1,470	1	15		
Grand total	42,326,578	42,327,653	29,036,907	42,326	1,077		

SILVER BULLION

	Fine ounces	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*
Philadelphia Mint:							
Melting and refining	95,301,551	95,325,165	17,003,752	142,952	23,614		
Coining	21,252,653	21,243,822	21,246,423	21,244		8,831	0.4156
San Francisco Mint:							
Melting and refining	67,793,175	67,795,291	13,387,636	101,690	175		
Coining	11,390,937	11,388,614	11,317,463	11,391		2,323	.2053
Denver Mint:							
Melting and refining	143,007,499	143,024,332	143,024,332	214,511	16,833		
Coining	22,762,937	22,761,681	19,300,939	22,762		1,255	.0650
New York Assay Office:							
Melting and refining	7,903,511	7,903,514	1,091,837	11,855	2		
Total melting and refining	314,005,736	314,048,302	174,507,557	471,008	40,624		
Total coining	55,406,527	55,394,117	51,864,825	55,397		12,409	.2393
Grand total	369,412,263	369,442,419	226,372,382	526,405	40,624	12,409	.2393

NICKEL COINAGE METAL

	Gross ounces	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*
Philadelphia Mint:							
Melting and refining	21,019,336	20,996,702	20,444,622			22,633	1.1070
Coining	22,859,639	22,824,373	17,589,946			35,266	2.0049
San Francisco Mint:							
Melting and refining	7,276,643	7,281,611	3,053,730		4,969		
Coining	3,638,633	3,257,093	3,257,230			5,839	1.7926
Denver Mint:							
Melting and refining	9,930,342	9,929,027	9,930,342			1,315	.1324
Coining	10,428,771	10,420,323	6,579,311			8,448	1.2840
Total melting and refining	38,226,321	38,207,340	33,428,694		4,969	23,948	.7164
Total coining	36,927,043	36,501,789	27,426,487			49,553	1.8068
Grand total	75,153,364	74,709,129	60,855,181		4,969	73,501	1.2078

BRONZE COINAGE METAL

	Gross ounces	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*	*Gross ounces*
Philadelphia Mint:							
Melting and refining	44,599,442	44,577,554	42,021,147			21,888	0.5209
Coining	43,787,416	43,742,526	41,215,324			44,890	1.0892
San Francisco Mint:							
Melting and refining	15,446,738	15,445,656	13,643,096			1,062	.0793
Coining	11,430,481	11,392,975	11,430,481			37,505	3.2811
Denver Mint:							
Melting and refining	23,672,266	23,619,710	23,672,266			52,556	2.2202
Coining	25,125,127	25,128,282	21,113,441		3,155		
Total melting and refining	83,718,446	83,642,920	79,336,509			75,526	.9520
Total coining	80,343,024	80,263,783	73,759,246		3,155	82,395	1.1171
Grand total	164,061,470	163,906,703	153,095,755		3,155	157,921	1.0315

Sweeps cellar operations.—The two following tables cover sweeps cellar operations for the fiscal years 1949 and 1950. The sweeps cellar operations table appearing on page 7 of the 1949 annual report which was designated as covering the fiscal year 1949, actually covered operations for the fiscal year 1948.

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

[Corrected table. Sweeps cellar table in 1949 annual report labeled fiscal year 1949 covered data for fiscal year 1948]

Institution	Source	Material (quantity)		Metal content			
				Bars recovered		Tailings	
		Bags	Net avoirdupois	Gold	Silver	Gold	Silver
		Number	*Pounds*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*
Philadelphia Mint.	Melting and refining.	34	4,130	2.111	86,668.51	19.818	6,259.12
	Coining	40	4,000	.....	6,122.00	17.819	4,654.52
	Deposits	7	841	.....	5,226.42	107.140	400.44
Total		81	8,971	2.111	98,036.93	144.777	11,314.08
San Francisco Mint.	Melting and refining.	135	10,290	6.004	103.20	19.423	375.41
	Refining	430	41,430	8.835	106.15	1,539.460	1,986.93
	Coining	4	366	.....	.....	1.557	255.50
	Deposits	19	1,481	.....	.....	24.206	122.59
Total		588	53,567	14.839	209.35	1,584.646	2,740.43
Denver Mint	Refinery	263	18,907	.....	.....	182.949	3,668.92
	Coining	.....	.....	.....	.....	.....	.....
	Deposits	57	4,839	.....	.....	91.484	112.41
Total		320	23,746	.....	.....	274.433	3,781.33
New York Assay Office.	Refinery	267	20,038	.....	.....	91.173	.....
	Deposits	281	19,780	.....	.....	1,013.703	1,087.88
Total		548	39,818	.....	.....	1,104.876	1,087.88
Grand total		1,537	126,102	16.950	98,246.28	3,108.732	18,923.72

Sweeps cellar operations (includes crushed discarded melting pots, etc.), fiscal year 1950

Institution	Source	Material (quantity)		Metal content			
				Bars recovered		Tailings	
		Bags	Net avoirdupois	Gold	Silver	Gold	Silver
		Number	*Pounds*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*
Philadelphia Mint.	Melting and refining.	47	4,680	8.713	10,430.89	7,140.868	31,792.36
	Coining	52	5,159	2.311	6,870.94	.....	12,486.61
	Deposits	5	449	32.370	313.61	.....	.....
Total		104	10,288	43.394	17,615.44	7,140.868	44,278.97
San Francisco Mint.	Melting and refining.	164	12,511	.....	.....	30.711	2,567.93
	Refinery	382	44,879	.....	.....	907.549	2,228.54
	Coining	5	435	.....	.....	1.305	377.16
	Deposits	71	5,979	6.089	8.71	295.598	334.47
Total		622	63,804	6.089	8.71	1,235.163	5,506.10
Denver Mint	Refinery	847	92,073	.....	.....	587.583	4,900.83
	Coining	.....	.....	.....	.....	.....	.....
	Deposits	62	6,120	.....	.....	.....	328.79
Total		909	98,193	.....	.....	587.583	5,229.62
New York Assay Office.	Refinery	.....	.....	.....	.....	.....	.....
	Deposits	467	31,417	.....	.....	718.212	2,396.86
Total		467	31,417	.....	.....	718.212	2,396.86
Grand total		2,102	203,702	49.483	17,624.15	9,681.826	57,413.55

Bullion gains and losses, and the wastage of coinage metal and loss on sale of sweeps.—Data for these items for the fiscal year 1950 are shown in the two following tables.

Bullion gains and losses, fiscal year 1950

Item	Mint at—			Assay Office at—		Total
	Philadelphia	San Francisco	Denver	New York	Seattle	
Recovered from melting and refining and coining operations	$17,738.93	$15,546.20	$11,695.28	$17,733.23	----------	$62,713.64
Recovered incident to receipt of bullion deposits	1,408.82	1,688.68	522.16	1,686.14	$1,060.67	6,366.47
Gains on light weight and mutilated coin received for recoinage	13.47	7.01	14.59	.28	----------	35.35
Gains on bullion shipments	----------	851.90	----------	----------	----------	851.90
Total gains	19,161.22	18,093.79	12,232.03	19,419.65	1,060.67	69,967.36
Wasted in refining and coining operations	6,317.69	1,625.70	414.27	----------	----------	8,357.66
Net gains	12,843.53	16,468.09	11,817.76	19,419.65	1,060.67	61,609.70

Wastage of coinage metal and loss on sale of sweeps, fiscal year 1950

Item	Mint at—			New York Assay Office	Total
	Philadelphia	San Francisco	Denver		
Silver wastage:					
Melting and refining department	----------	----------	----------	----------	----------
Coining department	$6,317.69	$1,625.70	$414.27	----------	$8,357.66
Nickel wastage:					
Melting and refining department	366.66	77.71	23.03	----------	467.40
Coining department	571.54	96.40	147.95	----------	815.89
Bronze wastage:					
Melting and refining department	299.22	14.58	617.21	----------	901.01
Coining department	555.80	505.16	----------	----------	1,060.96
Loss on sale of sweeps	1,041.64	605.30	1,757.94	$579.45	3,984.33
Total wastage and loss	9,122.55	2,924.85	2,960.40	579.45	15,587.25
Reimbursements:					
Silver, departmental wastage offset by other departmental surpluses	6,317.69	1,625.70	414.27	----------	8,357.66
Nickel and bronze wastage from minor coinage profits	1,763.22	693.85	788.19	----------	3,245.26
Nickel and bronze wastage offset by charges to foreign metals accounts	----------	----------	----------	----------	----------
Other wastages, and loss on sweeps from appropriations	1,041.64	605.30	1,757.94	579.45	3,984.33
Total reimbursements	9,122.55	2,924.85	2,960.40	579.45	15,587.25

Production and consumption of gold and silver in the United States.—During the calendar year 1949 the total production of gold and silver refined from ores mined in the several States and Alaska was as follows: Gold, 1,921,949 fine ounces valued at $67,268,215; and silver, 34,944,554 fine ounces.

Gold issued for use in the industrial arts in the United States during the calendar year 1949 aggregated $148,975,571, with a return from industrial use of secondary materials, including old jewelry, plate, scrap, etc., amounting to $40,133,100, giving a net consumption of gold amounting to $108,842,471 during the year.

Silver issued for use in industry and the arts in the United States during the calendar year 1949 aggregated 110,660,459 fine ounces, with a return from industrial use of secondary materials including old silverware, scrap, etc., amounting to 22,660,459 fine ounces, giving a net consumption of silver amounting to 88,000,000 fine ounces during the year.

Annual Assay Commission of 1950.—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 8 and 9, 1950, reported the following results of their examination of the 1949 coinage:

Annual assay coins reserved at various mints during the calendar year 1949

Denomination	Philadelphia		Denver		San Francisco	
	Pieces	Value	Pieces	Value	Pieces	Value
Half dollars	573	$286.50	428	$214.00	377	$188.50
Quarter dollars	944	236.00	1,040	260.00		
Dimes	3,094	309.40	2,604	260.40	1,351	135.10
Total	4,611	831.90	4,072	734.40	1,728	323.60

REPORT OF THE COMMITTEE ON COUNTING

Your committee on counting reports that the packages said to contain the pieces reserved by the several mints for the trial of coins, in accordance with title 31, section 351, United States Code, 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 mint at Philadelphia, and against transcripts furnished the committee showing reservations for assay from the mints at Denver and San Francisco.

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 41 coins, consisting of 19 coins from the Philadelphia Mint, 12 coins from the Denver Mint, and 10 coins from the San Francisco Mint. These coins were taken from 38 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 the 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 8, and again on the morning of February 9.

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
1949	*Grains*	*Grains*	*Grains*	*Grains*	*Grains*	*Grains*	*Grains*
Half dollar	4	1.1	0.87	0.57	1.31	0.54	0.34
Quarter dollar	3	.70	.49	.91	.48	----------	----------
Dime	1.5	.37	.87	----------	1.43	.56	.08

REPORT OF THE COMMITTEE ON ASSAYING

In compliance with title 31, section 363, United States Code, 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 1949, 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-thousandths for silver coins.

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

	Fineness	
	Highest	*Lowest*
Philadelphia	899.7	898.6
Denver	900.0	898.4
San Francisco	900.4	899.0

Result of mass melting

	Fineness
Philadelphia Mint	899.7
Denver Mint	899.0
San Francisco Mint	899.5

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 standardized by the National Bureau of Standards.

Management program.—A management improvement program vigorously projected in 1950 and directed toward continuing improvements in operating procedures has produced revolutionary results in the manufacturing processes of coinage during the present fiscal year.

The massive melting and rolling equipment in the Denver Mint, which a year ago was in the experimental stage of operation, has been brought to a high state of efficiency. In it is processed a 400-pound bronze ingot in place of the 6-pound ingot, formerly processed in small rolling mills. It has also eliminated the hand pouring method heretofore used. Coincident with the installation of modern annealing equipment now pending, this equipment will be used for nickel and silver coinage.

A new type water-cooled mold, invented by mint technicians at the Philadelphia Mint, has resulted in a 23 percent reduction in silver ingot melting costs during the year. Experiments are now being conducted to utilize this equipment for production of nickel and

bronze ingots. Recent realignment of the melting operations and other mechanical changes at the Philadelphia Mint will result in important economies.

With the installation of more powerful motors on the rolling mills at the San Francisco Mint provision will be made for the processing of longer and wider ingots, and as a result an increase can be made from 100 to 300 percent in the production of coin blanks without increasing personnel. The output of 1-cent blanks will be doubled and dimes quadrupled; other denominations will come within that range.

Personnel of the Bureau of the Mint.—The following table summarizes by departments the personnel of the Bureau of the Mint on June 30, 1950, compared with June 30, 1949:

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, 1950	June 30, 1949
			Guards	Other								
Office of the Director	Feb. 12, 1873	52									52	52
Philadelphia Mint	Apr. 2, 1792	45	41	16	37	15	11	6	93	30	294	530
San Francisco Mint	July 3, 1852	25	26	5	26	11		9	35	41	178	199
Denver Mint	Apr. 21, 1862	33	27	7	29	6		6	52	48	208	271
New York Assay Office	Mar. 3, 1853	33	24	6	9	20		18		40	150	158
West Point Depository	June 22, 1936		14		1						15	15
Seattle Assay Office	May 21, 1898	3	3			4		2			12	12
Fort Knox Depository	Aug. 13, 1935	3	28	3							34	35
Total June 30, 1950		194	163	37	102	56	11	41	180	159	943	
Total June 30, 1949		192	169	50	138	73	18	42	332	258		1,272

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, 1950, is respectfully submitted.

NELLIE TAYLOE ROSS,
Director of the Mint.

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

912795—51——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 1949

REPORT ON PRODUCTION AND CONSUMPTION OF GOLD AND SILVER IN THE UNITED STATES DURING THE CALENDAR YEAR 1949

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.—A total of 1,921,949 fine ounces of gold with a value of $67,268,215 was produced from ores mined in 18 States and the Territory of Alaska during the calendar year 1949. States of leading production included South Dakota in first place, California in second place, followed by Utah, Alaska, Nevada, Arizona, and Colorado in that order, these seven States accounting for 90 percent of the total United States production. About one-half of the States increased their output in varying amounts over 1948, South Dakota leading with a 20 percent increase. The remaining States, however, declined in the amount of production, the United States total averaging a 5 percent decrease in 1949 from the previous year. A comparison of 1948 and 1949 production, by State of output, is shown in the following table:

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

State in which mined	Calendar year 1948		Calendar year 1949		Increase or decrease (−) in 1949	
	Fine ounces	*Value* [1]	*Fine ounces*	*Value* [1]	*Fine ounces*	*Percent* [2]
Alaska	221,471	$7,751,485	226,666	$7,933,310	+5,195	+2.3
Arizona	103,872	3,635,520	109,476	3,831,660	+5,604	+5.4
California	423,759	14,831,565	405,256	14,183,960	−18,503	−4.4
Colorado	161,348	5,647,180	101,685	3,558,975	−59,663	−37.0
Georgia	21	735	6	210	−15	
Idaho	64,171	2,245,985	67,411	2,359,385	+3,240	+5.0
Montana	74,754	2,616,390	47,390	1,658,650	−27,364	−36.6
Nevada	118,603	4,151,105	124,697	4,364,395	+6,094	+5.1
New Mexico	9,349	327,215	8,004	280,140	−1,345	−14.4
North Carolina	4	140	13	455	+9	
Oregon	14,914	521,990	14,862	520,170	−52	−.3
Pennsylvania	2,204	77,140	1,721	60,235	−483	−21.9
South Dakota	378,080	13,232,800	454,534	15,908,690	+76,454	+20.2
Tennessee	140	4,900	176	6,160	+36	
Texas	54	1,890	65	2,275	+11	
Utah	384,050	13,441,750	300,022	10,500,770	−84,028	−21.9
Vermont	104	3,640	120	4,200	+16	
Washington	68,483	2,396,905	59,598	2,085,930	−8,885	−13.0
Wyoming	99	3,465	247	8,645	+148	
Total	2,025,490	70,891,800	1,921,949	67,268,215	−103,531	−5.1

[1] Gold valued at $35 per fine troy 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 282,087,737 fine ounces with a value of $6,593,601,890. 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.—A total of 34,944,554 fine ounces of silver was produced from ores mined in 23 States and the Territory of Alaska during the calendar year 1949. States of leading production included Idaho in first place, followed by Montana, Utah, Arizona, Colorado, and Nevada. These six States produced nearly 34 million ounces, or 93 percent of the total. Total production declined 11 percent over the previous year, with 11 States showing an increased output and 13 a decreased output. A comparison of 1948 and 1949 production, by State of output, is shown in the following table:

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

State in which mined	Calendar year 1948		Calendar year 1949		Increase or decrease (−) in 1949	
	Fine ounces	*Value* [1]	*Fine ounces*	*Value* [1]	*Fine ounces*	*Percent* [2]
Alaska	55,709	$50,419	42,451	$38,420	−13,258	−23.8
Arizona	4,930,017	4,461,914	4,977,719	4,505,087	+47,702	+1.0
California	1,067,886	966,491	792,922	717,634	−274,964	−25.7
Colorado	3,156,138	2,856,464	2,852,449	2,581,610	−303,689	−9.6
Georgia	3	3	1,707	1,545	+1,704	
Idaho	11,620,665	10,517,289	9,921,891	8,979,812	−1,698,774	−14.6
Illinois	832	753	2,176	1,969	+1,344	
Michigan	1,008	912	2,000	1,810	+992	
Missouri	108,169	97,898	58,255	52,724	−49,914	−46.1
Montana	6,643,623	6,012,814	6,706,780	6,069,975	+63,157	+1.0
Nevada	1,950,012	1,764,859	1,878,498	1,700,136	−71,514	−3.7
New Mexico	603,985	546,637	516,300	467,278	−87,685	−14.5
New York	10,451	9,459	5,376	4,866	−5,075	−48.6
North Carolina	(3)	(3)	1	1		
Oregon	18,357	16,614	14,154	12,810	−4,203	−22.9
Pennsylvania	13,710	12,408	11,331	10,255	−2,379	−17.4
South Dakota	93,781	84,877	105,479	95,464	+11,698	+12.5
Tennessee	36,507	33,041	43,291	39,181	+6,784	+18.6
Texas	10,180	9,213	5,126	4,639	−5,054	−49.6
Utah	8,451,152	7,648,719	6,574,299	5,950,073	−1,876,853	−22.2
Vermont	24,710	22,364	27,441	24,835	+2,731	+11.1
Virginia	40	36	53	48	+13	
Washington	431,529	390,556	404,823	366,385	−26,706	−6.2
Wyoming	4	4	32	29	+28	
Total	39,228,468	35,503,744	34,944,554	31,626,586	−4,283,914	−10.9

[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 4,024,878,034 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.—During the calendar year 1949 the mint institutions, private refiners, and dealers of the United States issued for industrial, professional, and artistic use, gold in the amount of $108,842,471 and silver in the amount of 88,000,000 ounces. Details are shown in the following statement:

Item	Gold	Silver
	Value [1]	*Fine ounces*
Government-stamped bars issued by mints and assay offices	$90,550,071	[2] 222,703
Bullion in various forms issued by private refiners and dealers	58,425,500	110,360,412
United States coin (estimated)		77,344
Total amount of material issued	148,975,571	110,660,459
Old jewelry, plate, scrap, etc., returned to private refiners, dealers, and to monetary use	40,133,100	22,660,459
Net amount of material issued	108,842,471	88,000,000

[1] Gold valued at $35 per fine ounce.
[2] There were no sales of silver under authority of the act of July 31, 1946, during the calendar year 1949.

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 1949, was as follows:

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

Month	Value of gold bars issued	Month	Value of gold bars issued
1949:		1949—Continued	
January	$2,432,639.81	August	$10,647,513.49
February	2,982,372.57	September	11,124,872.74
March	4,140,137.64	October	11,558,868.47
April	3,714,241.61	November	9,051,202.69
May	3,541,797.51	December	6,789,276.86
June	8,668,561.68		
July	4,076,225.42	Total	78,727,710.49

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 1949, 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 gold from Alaskan mines in 1949 was lower for the second consecutive year, the recorded output of 229,416 fine ounces (in terms of recoverable metal), valued at $8,029,560, being 8 percent below the total for 1948, according to Alfred L. Ransome, United States Department of the Interior, Bureau of Mines. Silver production of 36,056 fine ounces, valued at $32,633, was 46 percent less than the output in the previous year. Comparative production (and value) in 1948 was: Gold, 248,395 ($8,693,825); and silver, 67,341 ounces ($60,947).

Gold mining, which has maintained its position as the backbone of the mining industry in Alaska, has had ever-increasing difficulty in balancing high costs of mining, labor, and supplies against an established price for its product which has remained unchanged at $35 per fine ounce of gold since 1934. Although the supply of labor in 1949 was better than at any time since the war, the narrowing margin between the high operating costs and the official price for gold was not conducive to operation of any but the more efficient enterprises. Natural or unprocessed gold continued to be sold legally on the open market by a number of operators at prices varying from $3 to $8 per ounce over the official price. Included with the recorded production for 1949 are 9,836 fine ounces of gold contained in natural gold specifically reported by 10 producers as having been sold on the open market. In addition, 8,656 ounces of natural-gold bullion was reported sold, but this quantity is not included statistically because of insufficient data. Available information indicated that an undetermined quantity of natural gold (estimated to be 5,000 ounces) was sold by 11 producers who did not report specifically. Although these data are incomplete it can be assumed that approximately 22,000 ounces of natural-gold bullion originating from Alaskan mines in 1949 were sold. A comparable total of 18,000 ounces was estimated sold in 1948.

The greatest proportion of gold came from a relatively few mines; the leading 15 gold-producing mines (14 placer and 1 lode) in 1949 yielded 73 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 95,020 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 Unit), Fairbanks district (bucket-line dredges); United States Smelting, Refining & Mining Co. (Nome Unit), Nome district (bucket-line dredges); New York-Alaska Gold Dredging Corp., Tuluksak-Aniak district (bucket-line dredge); Brinker-Johnson Co., Fairbanks district (bucket-line dredge); and Strandberg & Sons, Hughes district (nonfloating washing plant).

Of the silver produced in Alaska in 1949, 90 percent was a byproduct of gold mining, and 10 percent came from lead ore. The most important producer of silver in 1949 was the United States Smelting, Refining & Mining Co. (Fairbanks Unit), which recovered silver as a byproduct of bucket-line dredging operations in the Fairbanks district.

ARIZONA

Arizona's production of gold was slightly less in 1949 than in 1948, but its production of silver was 3 percent greater, according to C. E. Needham and Paul Luff, of the United States Department of the Interior, Bureau of Mines.

The output of gold declined from 109,487 fine ounces valued at $3,832,045 in 1948 to 108,993 fine ounces valued at $3,814,755 in 1949, a loss of about one-half percent. Gold from lode mines decreased from 108,649 ounces in 1948 to 108,428 ounces in 1949, and that from placers from 838 ounces to 565 ounces. Copper ore yielded 78,735 ounces of gold, 72 percent of the State gold in 1949 (84,391 ounces in 1948, 77 percent); zinc-lead ore, 20,429, 19 percent (15,361 ounces in 1948, 14 percent) siliceous ores, 3,081 ounces, 3 percent (6,898 ounces in 1948, 6 percent); and zinc-copper ore, 4,336 ounces, 4 percent (926 ounces in 1948). Ore amalgamated furnished 40 ounces of gold; concentrates smelted, 88,257 ounces; and crude ore smelted, 20,131 ounces.

About 89 percent of the State gold in 1949 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts decreased from 99,023 ounces in 1948 to 96,498 ounces in 1949. 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 Iron King mine, Yavapai County; the Magma mine, Pinal County; the Copper Queen (Bisbee) branch of the Phelps Dodge Corp., Cochise County; the United Verde branch of the Phelps Dodge Corp., Yavapai County; and the Morenci branch of the Phelps Dodge Corp., Greenlee County. The six properties, all copper mines except the Iron King and part of the Copper Queen, produced 88 percent of the State total gold.

The total gold production in Arizona, in terms of recovered metal, from 1860 through 1949 has been 11,182,499 ounces valued at $278,882,620.

The output of recoverable silver in Arizona in 1949 was 4,970,736 fine ounces valued at $4,498,767, an increase of 3 percent in quantity and 3 percent in value compared with the 1948 output of 4,837,740 fine ounces valued at $4,378,399. A marked increase in production of silver from zinc-copper ore in 1949 prevented a decline in the State silver output. Copper ore yielded 2,412,359 ounces of silver, 49 percent of the State silver in 1949 (2,814,833 ounces in 1948, 58 percent), and zinc-lead ore 1,920,630 ounces, 39 percent (1,544,153 ounces

in 1948, 32 percent); the remainder came principally from siliceous ores, zinc-copper ore, lead ore, and zinc-lead-copper ore. Silver from copper ore decreased 402,474 ounces (14 percent), but that from zinc-lead ore increased 376,477 ounces (24 percent), that from zinc-copper ore 132,278 ounces (201 percent), and that from siliceous ores 16,010 ounces (5 percent).

About 75 percent of the State total silver in 1949 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts increased from 3,635,596 ounces in 1948 to 3,736,594 ounces in 1949. The Phelps Dodge Corp. continued to be the chief silver producer in Arizona, although its output was about 135,000 ounces (5 percent) less than in 1948; its four properties (Copper Queen, Morenci, New Cornelia, and United Verde) produced 55 percent of the State silver in 1949. Other large silver producers were the Iron King, Magma, San Xavier (Eagle-Picher Mining & Smelting Co.), Ash Peak, and Flux-January-Norton properties.

The total silver production in Arizona, in terms of recovered metal, from 1860 through 1949 has been 307,064,974 ounces valued at $230,276,886.

CALIFORNIA

The output of gold from California mines in 1949 was 1 percent below the 1948 yield, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines, but silver production rose 8 percent in 1949 compared with 1948.

Decreased production of gold from placer mines in 1949, due largely to lower yield from bucket-line dredges, was not offset by the increased output from the lode mines, notably in Nevada, Sierra, and Amador Counties.

The low monthly output of gold for 1949, 30,522 ounces, was recorded in January. Monthly output fluctuated slightly from February through November, but a trend toward increasingly larger average monthly yield was evident. Maximum monthly output of 37,228 ounces was attained in December.

The production of recoverable gold from California ores, gravels and re-treated tailings in 1949 was 417,231 fine ounces (including a relatively small quantity in "natural gold" and amalgam sold in the open market) valued at $14,603,085 compared with 421,473 fine ounces (including a quantity in "natural gold" sold, comparable to the 1949 figure) valued at $14,751,555 in 1948. In 1949, 242 lode mines produced 166,683 ounces of gold valued at $5,833,905 and 190 placer mines produced 250,548 ounces of gold valued at $8,769,180. Placer mines supplied 60 percent and lode mines 40 percent of the total in 1949 compared with 68 percent and 32 percent, respectively, in 1948.

Of the gold derived from lode operations, 97 percent was recovered from gold ore, 2 percent from lead ore, and the remainder from zinc ore, gold-silver ore, zinc-lead ore, copper ore, silver ore, and lead-copper ore. Metallurgical data show that 59 percent of the lode gold in 1949 (55 percent in 1948) was recovered by amalgamation of ore and old tailings, 33 percent (38 percent in 1948) by cyanidation of ore, concentrates, and old tailings, 5 percent (4 percent in 1948) by smelting of concentrates, and 3 percent (3 percent in 1948) by smelting ore and old tailings.

The yardage of material washed at placer mines decreased 11 percent, and the output of placer gold dropped 12 percent. Lode-gold production increased 23 percent, whereas tonnage of material treated decreased 6 percent.

In the following data on placer mining, 1948 figures are given in parentheses. Floating dredges of the bucket-line type washed 83,571,900 (94,747,200) cubic yards of gravel and recovered 226,838 (257,171) ounces of gold valued at $7,939,330 ($9,000,985) or 91 (90) percent of the placer gold produced in the State in 1949. Dragline dredges—those having a floating washing plant to which gravel is delivered by a dragline excavator—washed 2,906,600 (3,033,000) cubic yards of gravel which yielded 14,616 (17,029) ounces of gold valued at $511,560 ($596,015). Nonfloating washing plants, to which gravel was delivered by mechanical means, washed 256,500 (261,700) cubic yards of gravel and recovered 3,452 (1,159) ounces of gold valued at $120,820 ($40,565). Hydraulic mines produced 1,587 (1,784) ounces of gold valued at $55,545 ($62,440) derived from 447,900 (363,000) yards of gravel. Drift mining accounted for 95 (229) ounces of gold valued at $3,325 ($8,015) from 1,500 (14,100) cubic yards of gravel and suction dredging produced 1,364 (453) ounces of gold valued at $47,740 ($15,855) from 267,000 (83,000) 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 2,596 (7,731) ounces of gold valued at $90,860 ($270,585).

Due principally to lode mining, Nevada County ranked first among the California gold-producing counties in 1949. Sacramento County was second, because of the productivity of bucket-line dredges. Yuba, Butte, and Siskiyou Counties, which occupied third, fourth, and fifth places, respectively, derived almost all the 1949 gold production from bucket-line dredging.

The principal gold producers in California in 1949, listed by operators in order of output were: The Natomas Co., Sacramento County (dredge), Idaho-Maryland Mines Corp., Nevada County (gold ore), and Yuba Consolidated Gold Fields (Yuba Unit), Yuba County (dredge).

Production of silver from California ores, gravel, and re-treated tailings in 1949 was 783,880 fine ounces valued at $709,451 compared with 724,771 fine ounces valued at $655,954 in 1948. Of the lode silver, 40 percent was derived from lead ore, 35 percent from zinc-lead ore, 11 percent from zinc ore, more than 7 percent from gold ore, 4 percent from copper ore, 2 percent from gold-silver ore, and nearly 1 percent from silver ore and lead-copper ore, together. 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 54 percent of the lode silver recovered in the State, smelting of ore and old tailings nearly 38 percent, cyanidation of ore, concentrates, and old tailings 6 percent, and amalgamation of ore and old tailings more than 2 percent.

The principal silver producers in California in 1949, 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 (lead ore), and Coronado Copper & Zinc Co., Shasta County (zinc ore).

COLORADO

The mine output of gold in Colorado in 1949 was 102,618 fine ounces valued at $3,591,630—a 34-percent decrease from the 154,802 ounces valued at $5,418,070 produced in 1948, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The principal factor in the decrease was the shutdown in February 1949 of virtually all mining operations in the famous Cripple Creek district to await completion of a new custom mill being built there to replace the Golden Cycle mill at Colorado Springs as a market for Cripple Creek ore. This district produced 35 percent of the State total gold in 1948 and 1947 and an average of 39 percent for the 20 years from 1929 through 1948. Other straight gold districts either remained inactive or had a low production, and gold output decreased in most of the principal districts producing gold along with silver and base metals.

The leading gold-producing districts in 1949, in order of rank, were Upper San Miguel, California (Leadville) (including Box Creek), Cripple Creek, Animas, and Fairplay; these five districts produced 84 percent of the State total gold output. Dry gold and silver ores yielded 52,616 ounces of gold (51 percent of the State total); zinc, lead, copper, and mixed base-metal ores together yielded 36,859 ounces (36 percent), and placers 13,143 ounces (13 percent). The principal gold-producing properties, in order of output, were: Smuggler Union group (Telluride Mines) and Treasury Tunnel-Black Bear (Idarado), both in San Miguel County; Resurrection, Lake County; Shenandoah-Dives group, San Juan County; and South Platte Dredging Co. dredge, Park County.

The State silver production decreased 4 percent from 1948 and amounted to about half the annual average for the 10-year prewar period 1932–41. The quantity produced was 2,894,886 fine ounces valued at $2,620,018 compared with 3,011,011 ounces valued at $2,725,117 in 1948. The tonnage of silver-bearing copper, lead, and zinc ores mined (755,481 tons, including the mixed base-metal ores) was nearly the same as in 1948, but the average yield of recoverable silver per ton of ore (2.27 ounces) decreased slightly. The base-metal ores together yielded 59 percent of the State total output of silver. The gold ore of the Cripple Creek district carries very little silver, and the shutdown of the Cripple Creek mines had little effect on the production of silver. The total quantity of dry gold and silver ores mined in other districts (483,657 tons) was 6 percent larger than in 1948, but the average yield of recoverable silver per ton of ore (2.43 ounces) decreased 8 percent.

The larger silver-producing districts in 1949 were Upper San Miguel, Animas, Creede (Mineral County), Ten Mile (Kokomo, Summit County), and California (Leadville). The principal silver-producing properties, in order of output, were: Treasury Tunnel-Black Bear (Idarado) group, Shenandoah-Dives group, Emperius Mining Co. group (Mineral County), American Smelting & Refining Co. Kokomo unit (Victory group), and Eagle mine (Eagle County).

Ore treated by mills in Colorado in 1949 totaled 1,238,651 tons, from which were recovered 33,208 ounces of gold and 12,272 ounces of silver in bullion shipped direct to the mint and 51,332 ounces of gold and 2,603,913 ounces of silver in concentrates shipped to smelters. Ore shipped direct to smelters totaled 23,704 tons containing 4,935

ounces of recoverable gold and 275,900 ounces of silver. The total value of the gold, silver, copper, lead, and zinc recovered from the 1,262,355 tons of ore sold or treated in Colorado in 1949 was $27,474,322, of which $6,211,648 represented the combined value of the gold and silver and $21,262,674 that of the copper, lead, and zinc. Placer mines produced 13,143 ounces of gold valued at $460,005 and 2,801 ounces of silver valued at $2,535.

The total production of recovered gold and silver in Colorado from 1858 through 1949 has been 39,483,642 fine ounces of gold valued at $875,804,434 and 738,890,228 fine ounces of silver valued at $575,229,936.

IDAHO

The output of recoverable gold in Idaho increased from 58,454 fine ounces valued at $2,045,890 in 1948 to 77,829 fine ounces valued at $2,724,015 in 1949 (a 33-percent gain); but the silver output declined from 11,448,875 fine ounces valued at $10,361,810 to 10,049,257 fine ounces valued at $9,095,085 (a 12-percent loss), 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 rose from 37,678 ounces in 1948 to 62,751 ounces in 1949, but that from placer properties decreased from 20,776 ounces to 15,078 ounces. The gain from lode properties resulted principally from the treatment of ore, containing a higher gold content, from the Yellow Pine mine at Stibnite. Of the State total gold in 1949, 74 percent came from gold ore, 13 percent from bucket-line dredging, 6 percent from dragline dredging, and 6 percent from zinc-lead ore. Four bucket-line dredges and 7 dragline dredges treated about 3,000,000 cubic yards of gravel in 1949 and recovered 14,707 fine ounces of gold and 4,334 fine ounces of silver.

About 69 percent of Idaho's gold in 1949 came from a lode mine in the Yellow Pine district in Valley County. The remainder came largely from dredging operations in the Elk City district, Idaho County; Boise Basin district, Boise 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 by far the leading State gold producer, and its output in 1949 was nearly double that in 1948. It was followed by Warren Dredging Corp. (bucket dredge) at Elk City, Idaho-Canadian Dredging Co. (bucket dredge) at Idaho City, Talache Mines, Inc. (lode) at Atlanta, Jordan Placers, Inc. (dragline dredge) near Sunbeam, and Triumph lode mine at Triumph. Gold recovered from ore amalgamated amounted to 1,214 ounces; from concentrates smelted, 60,704 ounces; and from crude or smelted, 833 ounces.

The total production of gold in Idaho, in terms of recovered metal, from 1863 through 1949 has been 8,042,014 ounces valued at $184,609,893.

Idaho's output of recoverable silver decreased to 10,049,257 fine ounces in 1949, 1,399,618 ounces less than that in 1948. This loss resulted mainly from curtailment of operations during the last half of the year at zinc-lead-silver mines caused by declines in the prices of lead and zinc and from a strike at the Bunker Hill lead smelter at

Bradley from August 20 to November 14. However, the State remained the largest producer of silver in the United States—a place it has held since 1933. Of the State total silver, silver ore yielded 42 percent, zinc-lead ore and old tailings 42 percent, lead ore 15 percent, and gold ore most of the remainder. The recovery of silver from silver ore decreased from 5,735,954 ounces in 1948 to 4,250,576 ounces in 1949 (26 percent), that from zinc-lead ore from 4,490,618 ounces to 4,190,996 ounces (7 percent), but that from silver-lead ore increased from 939,500 ounces to 1,475,017 ounces (57 percent).

The Coeur d'Alene region produced 9,146,146 fine ounces of silver in 1949 or 91 percent of the State total silver; the remainder came largely from the Warm Springs, Yellow Pine, and Bayhorse districts.

Twelve mines—the Sunshine, Bunker Hill & Sullivan, Polaris, Page, Silver Dollar, Triumph, Sherman, Silver Syndicate, Silver Summit, Lucky Friday, Star, and Morning—produced 83 percent of the State silver in 1949. Six properties near Kellogg, operated by the Sunshine Mining Co., produced 4,742,708 ounces of silver in 1949, or 47 percent of the State total.

The total production of silver in Idaho, in terms of recovered metal, from 1863 through 1949 has been 552,329,323 ounces valued at $387,851,818.

MISSOURI

No gold output has been reported in Missouri since the annual canvass of mines began in 1907, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The production of recoverable silver in 1949—all derived from lead and lead-copper ores—totaled 123,413 fine ounces valued at $111,695 compared with 114,187 ounces valued at $103,345 in 1948.

Nearly all the silver output was recovered as a byproduct by smelters treating lead concentrates produced in mills in southeastern Missouri. The concentrates usually contain 1 to 2 ounces of silver a ton, but a large part of the bullion obtained from the concentrates is not desilverized, and in the sale of the concentrates no value is attached to the silver. In 1949 and other recent years some silver was recovered from copper concentrate made in milling lead-copper-cobalt-nickel-iron ore from the Madison mine, also in southeastern Missouri. The St. Joseph Lead Co. continued to be the only substantial producer of silver in Missouri.

MONTANA

Montana lodes in 1949 yielded 42,903 fine ounces of gold, and placers 9,821 fine ounces—a total of 52,724 ounces valued at $1,845,340—according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. Compared with 1948, this represents a decrease of 24 percent from lodes and 41 percent from placers, or an over-all drop of nearly 28 percent. Declines were general at both lodes and placers, and among the State's larger gold-producing properties, only the Estelle-New Year's Gift group and the Cornucopia mine reported larger gold yields in 1949 than in 1948.

Of Montana's total gold in 1949, 49 percent was derived from gold and silver ores (40 percent in 1948), 32 percent from base-metal ores (37 percent in 1948), and 19 percent from placers (23 percent in 1948).

Ores milled yielded 60 percent of the total gold, and ores shipped to smelters nearly 22 percent.

Gold producers in Montana, each with an output of 1,800 ounces or more in 1949, were the property of the Anaconda Copper Mining Co. (copper ore and waste materials and zinc-lead ore and dumps) at Butte, Estelle-New Year's Gift group (gold ore) in Park County, Porter Bros. (placer) at Helena, Drumlummon mine (gold ore) at Marysville, Cornucopia mine (gold-silver ore) near Virginia City, Ruby mine (gold ore) in Phillips County, H. & H. Mines (placer) in Granite County, and Golden Sunlight mine (gold ore) near Whitehall. From these eight properties came 77 percent of the total gold.

The total production of gold in Montana, in terms of recovered metal from 1862 through 1949, has been 17,268,060 ounces valued at $388,835,312.

The output of recoverable silver in Montana in 1949 was 6,327,025 fine ounces valued at $5,726,277, which represents a decrease of 9 percent in quantity and value from the 1948 yield of 6,930,716 ounces valued at $6,272,648. This decline was attributable mainly to a 7-percent drop in output of the metal from the operations of the Anaconda Copper Mining Co. at Butte.

Zinc-lead ore supplied 62 percent of the State silver in 1949, copper ore 29, gold and silver ores 7, and lead and zinc ores together 2 percent. Ores milled yielded 91 percent of the total silver, and smelting ores almost 9 percent; minor sources were placers and old zinc slag fumed.

The Ananconda Copper Mining Co. supplied 83 percent of the State silver in 1949, followed by the Emma mine at Butte and the Mike Horse mine at Flesher. These three contributed 89 percent of the total silver.

The total production of silver in Montana, in terms of recovered metal, from 1862 through 1949, has been 768,733,754 ounces valued at $564,800,179.

NEVADA

Increased output in 1949 from rehabilitated gold mines, notably in Esmeralda, Humboldt, and Storey Counties, was largely responsible for the 17-percent increase in Nevada gold production over 1948, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Production of silver increased 1 percent compared with 1948 due to the greater yield of silver from base-metal ores and dry and siliceous gold ores which more than compensated for the lower yield of the metal from dry and siliceous gold-silver and silver ores. Base-metal ores accounted for 57 percent of the silver recovered in 1949.

The output of gold from Nevada ores, old tailings and gravels in 1949 was 130,399 fine ounces valued at $4,563,965, compared with 111,532 fine ounces valued at $3,903,620 in 1948. Production of silver in 1949 was 1,800,209 fine ounces valued at $1,629,280, compared with 1,790,-020 fine ounces valued at $1,620,058 in 1948.

Gold was recovered from the following sources: Gold ore, 54 percent; copper ore, 29 percent; placer gravel, 6 percent; gold-silver ore, 5 percent; zinc-lead ore, 4 percent; silver ore, 1 percent; and all other ores, 1 percent. Metallurgical data show that more than 51 percent of the State lode gold was recovered by cyaniding ore and old tailings, 43 percent by smelting concentrates, 3 percent by the direct smelting

of ore and old tailings, and nearly 3 percent by amalgamation of ore and old tailings.

The principal Nevada gold mines in 1949, listed by operating companies and in order of output were: Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Getchell Mines, Inc., Humboldt County (gold ore); London Extension Mining Co., Lander County (gold ore); Consolidated Coppermines Corp., White Pine County (copper ore); Consolidated Chollar, Gould and Savage Mining Co., Storey County (gold ore); Goldfield Deep Mines Co. of Nevada, Esmeralda County (gold ore); Combined Metals Reduction Co., Lincoln County (zinc-lead ore); Natomas Co. (bucket-line dredge); Dayton Consolidated Mines Co., Storey County (gold ore); and Summit King Mines, Ltd., Churchill County (gold-silver ore).

Nevada lode silver was recovered from the following sources in 1949: Zinc-lead ore, 33 percent; silver ore, 17 percent; gold-silver ore, 14 percent; lead ore, 14 percent; gold ore, 11 percent; copper ore, 7 percent; zinc ore, 3 percent; and all other ores nearly 1 percent. Placer gravels washed principally for gold yielded a small quantity of silver. The smelting of concentrates accounted for 53 percent of the lode silver produced in Nevada in 1949, 24 percent was recovered by cyaniding ore and old tailings and nearly 23 percent came from the direct smelting of ore and old tailings. A negligible quantity of silver was recovered by amalgamation of ore and old tailings.

The principal silver mines in Nevada in 1949, listed by operating companies and in order of output were: Combined Metals Reduction Co., Lincoln County (zinc-lead ore); Copper Canyon Mining Co., Lander County (silver ore); Summit King Mines, Ltd., Churchill County (gold-silver ore); Consolidated Chollar, Gould and Savage Mining Co., Storey County (gold ore); Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Prince Consolidated Mining Co., Lincoln County (zinc-lead and silver ores); Bristol Silver Mines Co., Lincoln County (lead and copper ores); Central Comstock Mines Corp., Storey County (gold-silver tailings); McFarland & Hullinger, Elko County (lead ore); and Ely Valley Mines, Inc., Lincoln County (zinc ore).

NEW MEXICO

There was little activity in straight gold and silver mining in New Mexico in 1949, and the quantity of gold and silver recovered incidentally in the production of copper, lead, and zinc was less than in 1948, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. In the Mogollon district, Catron County, an important producer of gold-silver ore before the wartime restrictions on gold mining caused the mines to close in 1942, repair work was done at the Lehigh Metals Co. Consolidated group of mines late in 1949, and small-scale mining began in January 1950.

The State output of recovered gold in 1949 totaled 3,249 fine ounces valued at $113,715 and silver 380,855 fine ounces valued at $344,693. Comparable figures for 1948 were 3,414 ounces of gold valued at $119,490 and 537,674 ounces of silver valued at $486,622.

The gold output in 1949 comprised 1,981 ounces from the Lordsburg district, Hidalgo County; 869 ounces from the Central district and 101

ounces from the Steeple Rock district, Grant County; and a total of 298 ounces from various districts in Catron, Grant, Hidalgo, Lincoln, Santa Fe, Sierra, and Socorro Counties. Copper ore yielded 2,304 ounces of gold; lead, zinc, and zinc-lead ores 651 ounces; dry gold and silver ores 263 ounces; and placer gravel 31 ounces. The only New Mexico producer of more than 1,000 ounces of gold was the Atwood copper mine in the Lordsburg district.

The principal silver-producing districts were Lordsburg, 149,312 ounces; Central, 136,483 ounces; Magdalena, 33,618 ounces; Eureka, 19,493 ounces; and Lone Mountain, 13,356 ounces. Twenty-one other scattered districts together produced 28,593 ounces of silver. Copper ore yielded nearly 41 percent of the State total silver output, zinc ore, 37 percent; lead and zinc-lead ores, 15 percent; and gold and silver ores and placer gravel more than 7 percent. The leading producers of silver were the Atwood copper mine, Hidalgo County; the Ground Hog zinc-lead mine in Grant County, and the Bonney-Miser's Chest (Banner) copper mine in Hidalgo County. Of the 6,539,602 tons of ores of gold, silver, copper, lead, and zinc mined in New Mexico in 1949, only 5,364 tons were dry gold and silver ores; copper ore amounted to 6,105,174 tons, zinc ore 363,322 tons, and lead and zinc-lead ores 65,742 tons. Gold and silver together represented less than 2 percent of the total value of the metals recovered from the ores.

The total production of gold and silver in New Mexico, in terms of recovered metals, from 1848 through 1949 has been 2,192,644 fine ounces of gold valued at $50,076,733 and 69,189,093 fine ounces of silver valued at $54,243,342.

OREGON

Oregon gold production in 1949, owing principally to expansion in dredging, exceeded the 1948 output by 11 percent, but was considerably below the postwar peak of 18,979 ounces attained in 1947 according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Silver production fell 10 percent below the relatively small yield of the metal in 1948.

The production of gold from Oregon ores and gravels was 16,226 fine ounces (including the fine gold content of "natural gold" sold on the open market) valued at $567,910 in 1949 compared with 14,611 fine ounces valued at $511,385 in 1948. Placer mines contributed 89 percent of the gold, and 74 percent of the placer gold was recovered by bucket-line dredges, 22 percent by dragline dredges, 2 percent by hydraulicking and 2 percent by other methods. Lode mines produced 11 percent of the total gold and 99 percent of the lode gold was derived from dry and siliceous gold ore and old tailings and 1 percent was from siliceous silver ore and copper ore. Metallurgical data show that ultimate recovery of nearly 47 percent of the total lode gold was from smelting of concentrates, nearly 38 percent from the smelting of ore, 15 percent was as bullion from amalgamation of ore and less than 1 percent from cyanidation of ore. The leading Oregon gold producers in 1949 in the order named were the Baker Dredging Co., Sumpter district, Baker County and Porter & Co., Granite district, Grant County (bucket-line dredges), and Calhoun & Howell of Oregon, Ltd., North Fork district, Grant County (dragline dredge).

Oregon ores and gravels in 1949 yielded 12,195 ounces of silver valued at $11,037 compared with 13,596 ounces valued at $12,305

in 1948, a decrease of 10 percent in both quantity and value. More than 99 percent of the State total came from Grant, Lane, and Baker Counties, principally the yield from lode mines; dry and siliceous gold ore was the principal source of lode silver and smelting of concentrates the principal method of recovery.

STATES EAST OF THE MISSISSIPPI RIVER

In 1949 the reported production of gold from mines in the States east of the Mississippi River was 1,967 fine ounces valued at $68,845 and silver, 101,612 fine ounces valued at $91,964, according to Samuel A. Gustavson of the United States Department of the Interior, Bureau of Mines. Production and value of gold and silver produced in 1948 were, respectively, 2,479 fine ounces valued at $86,765 and 101,171 fine ounces valued at $91,565. The prices per ounce used to calculate value for both 1949 and 1948 were $35 for gold and $0.9050505 for silver.

Gold was produced chiefly as a byproduct 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 in 1949 from these States was: Pennsylvania, 1,645 ounces; Tennessee, 171 ounces; and Vermont, 120 fine ounces. A total of 4 ounces of gold was reported from two lode gold mines and a total of 27 ounces of gold was reported from two placer mines, one of each in Georgia and North Carolina. In 1948 one lode gold mine in Georgia reported production of 19 ounces, whereas no placer output was reported.

There was little change from 1948 in the output of silver from mines in States east of the Mississippi River. Production was 101,612 fine ounces valued at $91,964 in 1949 and 101,171 ounces valued at $91,565 in 1948. All the silver was recovered as a byproduct from copper, lead, or zinc-lead ores from mines in Illinois, 3,128 ounces; New York, 18,378 ounces; Pennsylvania, 10,827 ounces; Tennessee, 41,833 ounces; and Vermont, 27,446 ounces.

SOUTH DAKOTA

Production of gold in South Dakota rose 23 percent in 1949 over 1948 and was the highest since 1942, according to A. J. Martin, of the United States Department of the Interior, Bureau of Mines. Production from the Homestake mine at Lead, Lawrence County, largest gold-producing mine in the United States, reached the highest rate of the postwar period in the last half of 1949. Since the mine resumed operations after the wartime shutdown it has not operated a full year at normal productive capacity because of the limited number of men available for underground work. The company reported that the full number of men required for the mine department was nearly reached in mid-November 1949. Output from the Bald Mountain mine at Trojan, an important gold producer, was a little higher than in 1948. There were no other regularly operating gold mines in the State in 1949. A little gold and silver, including 1 ounce of placer gold, was recovered by small-scale intermittent operators in Lawrence County. Silver is recovered as a byproduct of gold mining.

The total South Dakota output of gold in 1949 was 464,650 fine ounces valued at $16,262,750 and silver 109,383 fine ounces valued at $98,997. In 1948 the output of gold was 377,850 ounces valued at $13,224,750 and silver 94,693 ounces valued at $85,702.

Ore mined at the Homestake mine in 1949 was 1,112,183 tons compared with 896,862 tons in 1948. The mine is opened by 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 refinery. At the refinery silver is parted from the gold, and virtually pure metals are shipped to the Denver mint. Bullion with a value of $15,683,159 was produced in 1949, which is $3,025,021 more than in 1948. Dividends paid in 1949 amounted to $4,520,880. From 1876 through 1949 the mine yielded bullion and concentrates that brought a net return of $494,113,151 and paid $165,176,794 in dividends.

Output of ore from the Bald Mountain Mining Co. group at Trojan in 1949 was 117,759 tons yielding 17,544 fine ounces of recovered gold and 25,612 fine ounces of silver; the net return to the mine on bullion sold during the year (including a small quantity of refinery slag) was $633,445. The ore-treatment process includes crushing to five-eighth-inch size, ball milling in cyanide solution, thickening and agitation, countercurrent washing in four stages, Merrill-Crowe zinc-dust precipitation, and reduction of precipitate in a gas-fired reverberatory-type tilting furnace.

The total production of gold and silver, in terms of recovered metals, in South Dakota from 1876 through 1949 has been 22,295,995 fine ounces of gold valued at $561,957,034 and 10,003,769 fine ounces of silver valued at $7,185,831.

TEXAS

Four small mines in Texas produced ores yielding recoverable gold or silver or both metals in 1949, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The total output of gold was 40 fine ounces valued at $1,400 and silver 2,691 fine ounces valued at $2,435. Comparable figures for 1948 were 57 ounces of gold valued at $1,995 and 3,065 ounces of silver valued at $2,774. The gold and silver produced in both years were recovered from copper and lead ores. The producing mines in 1949 were the Mary Ellen 25 miles north of Van Horn, Culberson County; the Sancho Panza near Allamoore, Hudspeth County; and The R. I. Carr leased properties west of Shafter, and the Silver Dome group northwest of Presidio, both in Presidio County.

The total Texas production of gold and silver, in terms of recovered metals, from 1885 through 1949 has been 8,432 fine ounces of gold valued at $229,065 and 33,294,666 fine ounces of silver valued at $23,438,865. The Presidio mine at Shafter, which produced most of the State output of silver in the past, was idle in 1949.

UTAH

The mine production of gold in Utah in 1949 was 314,058 fine ounces (314,046 ounces from lodes and 12 ounces from placers) valued

at $10,992,030, according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. This represents a decline of 15 percent in quantity and value from the 1948 output of 368,422 ounces valued at $12,894,770. Of the larger gold-producing properties in Utah in 1949, only the property of the Park Utah Consolidated Mines Co. in the Park City region reported a gain over 1948 output. Loss was especially large at the Utah Copper mine in Bingham Canyon, owing to a work stoppage which began in October 1948 and continued until February 1949.

Of the total gold in 1949, 85 percent came from copper ore, 12 from zinc-lead ore, 0.3 from other base-metal ores, and nearly 3 percent from gold and silver ores. Two placers reported production. The West Mountain (Bingham) district supplied 91 percent of the total gold, the Park City region 6, and the Tintic district nearly 2 percent. Output of the metal in the West Mountain (Bingham) district was 14 percent below that in 1948, and in the Tintic district 53 percent, but in the Park City region it rose 2 percent.

The leading gold producers in Utah in 1949, each with an output of more than 1,000 ounces of recoverable metal, were as follows: Utah Copper mine and United States & Lark group, both in the West Mountain (Bingham) district; the properties of the New Park Mining Co. and Park Utah Consolidated Mines Co., both in the Park City region; Eureka Lilly mine and the Chief Consolidated Mining Co. property, both in the Tintic district; Butterfield property in the West Mountain (Bingham) district; and the Calumet mine in the Rush Valley district. These eight properties furnished 98 percent of the State gold.

The total production of gold in Utah, in terms of recovered metal, from 1864 through 1949, has been 11,747,120 ounces valued at $311,374,240.

The mine output of silver in Utah in 1949 was 6,724,880 fine ounces valued at $6,086,356—a decrease of 17 percent in quantity and value from the 8,045,329 ounces valued at $7,281,429 in 1948. With the exception of the Butterfield property in the West Mountain (Bingham) district and the Daly No. 1 dump at Park City, all of the larger silver producers in Utah reported lower yields in 1949 than in 1948. Decreases were especially large at the Utah Copper mine and at the properties of the Park Utah Consolidated Mines Co. and Silver King Coalition Mines Co., both at Park City. Output of the metal dropped 8 percent in the West Mountain (Bingham) district, 38 in the Park City region, and 19 in the Tintic district.

Zinc-lead ore, zinc ore, lead ore, and zinc-lead-copper ore together furnished almost 57 percent of the State silver in 1949; copper ore, 33 percent; and gold and silver ores, 10 percent; the remainder came principally from zinc slag fumed.

Utah properties that produced more than 100,000 ounces of recoverable silver each in 1949 were as follows: Utah Copper mine; United States & Lark group, properties of Chief Consolidated Mining Co. and New Park Mining Co.; Butterfield group; Park Utah Consolidated Mines Co. property; Daly No. 1 dump; Calumet mine; and Silver King Coalition Mines Co. property. These mine producers contributed 92 percent of the State silver.

The total production of silver in Utah, in terms of recovered metal, from 1864 through 1949, has been 741,722,760 ounces valued at $544,494,476.

WASHINGTON

The mine output of gold in Washington in 1949 was 71,994 fine ounces valued at $2,519,790, according to C. E. Needham and Paul Luff of the United States Department of the Interior, Bureau of Mines. Lode output was 71,984 ounces and came from 29 properties; placer output was 10 ounces and came from 3 properties.

The State gold yield in 1949 was 3 percent greater than the yield of 70,075 ounces valued at $2,452,625 in 1948. This increase of 1,919 ounces resulted mainly from substantial shipments of gold ore during the second half of the year from the Gold King mine near Wenatchee. The Holden mine, in Chelan County, was the State's leading gold producer, followed in order by the Knob Hill mine in Ferry County, the Gold King mine in Chelan County, and the Aurum group in Ferry County. The above four properties contributed all but a small quantity of the State gold in 1949. Yield of the metal increased slightly at the Holden mine but declined at the Knob Hill mine and the Aurum group. Of the State gold in 1949, almost 60 percent was recovered from zinc-copper ore, and most of the remainder from gold ore.

The total production of gold in Washington, in terms of recovered metal, from 1860 through 1949, has been 2,355,704 ounces valued at $61,204,963.

The mine output of silver in Washington in 1949 was 357,853 fine ounces valued at $323,875, a decrease of 5 percent in quantity and value from the 375,831 ounces valued at $340,146 in 1948. Among the four leading State silver producers in 1949, only the Bonanza mine in Stevens County reported an increase. The Knob Hill mine (gold ore) remained in first place by a slight margin, followed by the Holden mine (zinc-copper ore), the Bonanza mine (lead ore), and the Aurum group (gold ore). These four furnished 89 percent of the State silver. Gold ore supplied 44 percent of the State silver in 1949, followed by zinc-copper ore with about 37 percent; most of the remainder came from lead and zinc-lead ores.

The total production of silver in Washington, in terms of recovered metal, from 1860 through 1949, has been 13,857,293 ounces valued at $10,039,365.

WYOMING

Mines in Wyoming produced 389 fine ounces of gold valued at $13,615 and 21 fine ounces of silver valued at $19 in 1949, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The production in 1948 was 115 ounces of gold valued at $4,025 and 11 ounces of silver valued at $10. Nearly all the output in both years came from the Carissa mine in the South Pass district, Fremont County. This mine had a substantial output in 1947 and was under development, with intermittent production in 1948 and 1949; it is equipped with a 100-ton amalgamation and cyanidation mill. A little gold was recovered from the St. Louis lode property and a small placer, both in the South Pass district. In Teton County 1 ounce of gold was recovered from the Sterling placer on Pacific Creek and 1 ounce from the Mercury claim near Moran.

The total production of gold and silver in Wyoming, in terms of recovered metals, from 1867 through 1949, has been 80,031 fine

ounces of gold valued at $1,909,413 and 74,819 fine ounces of silver valued at $51,912.

Distribution of gold and silver production of the United States, in fine ounces, for 1949, 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	8,327	156,020	65,069	32,317	3,739	
Arizona	108,428		565	328,358	2,230,019	2,412,359
California	166,683	226,838	23,710	96,943	658,495	28,442
Colorado	89,475	[3] 12,231	912	1,180,064	1,655,753	59,069
Georgia	1		17			
Idaho	62,751	10,234	4,844	4,365,038	5,683,665	554
Illinois					3,128	
Michigan						
Missouri					123,413	
Montana	42,903	7,758	2,063	435,913	4,045,329	1,845,783
Nevada	122,457	[4] 7,650	292	765,299	901,000	133,910
New Mexico	3,218		31	28,630	197,131	155,094
New York					18,378	
North Carolina	3		10			
Oregon	1,761	10,744	3,721	12,173		22
Pennsylvania	[5] 1,645					[5] 10,827
South Dakota	464,649		1	109,170	213	
Tennessee	171					41,833
Texas	40				2,610	81
Utah	314,046		12	663,160	3,828,012	2,233,708
Vermont	120					27,446
Washington	71,984		10	166,593	190,154	1,106
Wyoming	386		3	21		
Total	1,459,048	431,475	101,260	8,183,679	19,541,039	6,950,234

[1] Contains small quantity of silver from placer mines (61,368 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 dredges; 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 magnetitite-pyrite-chalcopyrite ores.

ADDENDA TO REPORT OF THE DIRECTOR OF THE MINT

LIST OF TABLES IN THE ADDENDA

Number of gold and silver deposit transactions and assay determinations during the fiscal year 1950 1
Number of gold and silver deposit transactions and assay determinations during the calendar year 1949 .....
Deposits and purchases of gold during the fiscal year 1950 .....
Deposits and purchases of silver during the fiscal year 1950 .....
Deposits and purchases of gold during the calendar year 1949 46
Deposits and purchases of silver during the calendar year 1949 48
Deposits of foreign gold bullion and coin during the fiscal year 1950 50
Deposits of foreign silver bullion and coin during the fiscal year 1950 50
Deposits of foreign gold bullion and coin during the calendar year 1949 51
Deposits of foreign silver bullion and coin during the calendar year 1949 51
Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1950 52
Domestic coins, including assay pieces, withdrawn from monetary use during the calendar year 1949 53
Standard silver dollars (uncurrent) melted for recoinage into subsidiary coin 54
Standard silver dollars (mutilated) purchased as bullion for use in the manufacture of subsidiary silver coin since 1883 54
Silver coin (including silver dollars) withdrawn from circulation for recoinage into subsidiary coin since 1890 54
Sales of Treasury silver under act of July 31, 1946, during fiscal years 1947–49 54
Estimated monetary stock of gold and silver in the United States and the amount per capita at the close of each fiscal year 1936–50 55
Summary of newly mined domestic silver purchased by the Treasury, fiscal years 1934–50 56
Detailed receipts of the Bureau of the Mint for the fiscal year ended June 30, 1950 57
Cash assets and liabilities of the United States Mint Institutions on June 30, 1950 58
Cash assets and liabilities of the United States Mint Institutions on December 31, 1949 59
United States coinage during the calendar year 1949 61
United States coinage during the past 10 fiscal years, by denomination and number of pieces 62
United States coinage during the past 10 fiscal years, by denomination and face value 63
Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined 64
Estimated stock of coins in the United States on June 30, 1950 67
Minor coins outstanding on June 30, 1950 68
Estimated stock of coins in the United States on December 31, 1949 68
Coinage by the United States mints for other countries during the fiscal year 1949 (corrected table) 68
Coinage by the United States mints for other countries during the calendar year 1949 69
Summary of foreign coinage by United States mints, by year, through December 31, 1949 70
Summary of foreign coinage by United States mints, by countries, through December 31, 1949 70
Price of silver in London 1949–50 71
Price of silver in New York 1947–50 71
Highest, lowest, and average price of silver per fine ounce in New York since 1874 72
Bullion value of the silver dollar [371¼ grains of pure silver] at the annual average price of silver each calendar year since 1837 72
Average commercial ratio of silver to gold each calendar year since 1837 73
Summary of total United States exports and imports of gold and silver during the fiscal year 1950 73
Summary of total United States exports and imports of gold and silver during the calendar year 1949 73

(*See also* World Monetary Statistics.)

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 1950

Item	Philadelphia	San Francisco	Denver	New York	Seattle	Total
Deposit transactions:						
Purchases	1,682	3,910	1,097	2,766	962	10,417
Transfers	128					128
Intermint transfers	1	14		1		16
Trust deposits	28					28
Total	1,839	3,924	1,097	2,767	962	10,589
Deposit assay determinations:						
Purchases	3,475	4,660	1,681	4,527	1,231	15,574
Transfers	561					561
Intermint transfers		541		97		638
Trust deposits	1,132					1,132
Total	5,168	5,201	1,681	4,624	1,231	17,905

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

Item	Philadelphia	San Francisco	Denver	New York	Seattle	Total
Deposit transactions:						
Purchases	1,683	5,389	1,016	2,604	966	11,748
Transfers	134					134
Intermint transfers	1	17		1		19
Trust deposits	60	11				71
Total	1,878	5,417	1,016	2,695	966	11,972
Deposit assay determinations:						
Purchases	2,953	6,711	1,488	5,155	1,238	17,545
Transfers	2,824					2,824
Intermint transfers		650		84		734
Trust deposits	2,478	13				2,491
Total	8,255	7,374	1,488	5,239	1,238	23,594

Deposits and purchases of gold during the fiscal year 1950

[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	205,741.555	1.769	6,925.457	115.714	----------	198,698.615
Arizona	325.637	----------	285.873	36.870	----------	2.894
California	395,698.359	----------	395,682.917	3.897	----------	11.545
Colorado	41,862.999	----------	----------	41,862.999	----------	----------
Georgia	4.412	4.412	----------	----------	----------	----------
Idaho	15,905.860	----------	1,264.749	3,270.334	----------	11,370.777
Montana	13,569.492	----------	----------	8,555.910	----------	5,013.582
Nevada	104,819.049	----------	81,943.252	4,719.046	----------	18,156.751
New Mexico	35.068	----------	----------	35.068	----------	----------
Oregon	12,128.037	----------	2,221.828	1.065	----------	9,905.144
South Dakota	18,360.165	----------	----------	18,360.165	----------	----------
Texas	1.293	----------	----------	1.293	----------	----------
Utah	6.052	----------	----------	6.052	----------	----------
Washington	156.953	----------	----------	----------	----------	156.953
Wyoming	24.697	----------	----------	24.697	----------	----------
Unallocated	28.209	11.655	----------	15.494	1.060	----------
Total newly mined unrefined	808,667.837	17.836	488,324.076	77,008.604	1.060	243,316.261
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.995 fine)	10,360.917	----------	----------	1,102.505	4,920.822	4,337.590
Refined bars (0.995 fine and over)	620,096.581	----------	26,196.756	515,078.620	78,160.914	660.291
Total newly mined refined	630,457.498	----------	26,196.756	516,181.125	83,081.736	4,997.881
Total newly mined domestic	1,439,125.335	17.836	514,520.832	593,189.729	83,082.796	248,314.142
Other domestic:						
Secondary	165,020.561	43,807.283	13,520.776	44,595.066	60,250.020	2,847.416
Domestic coin:						
Purchased	229.484	2.262	.779	3.988	221.969	.486
Transferred from Treasury and Federal Reserve banks	7,359.326	5,081.849	1,701.394	576.083	----------	----------
Total other domestic	172,609.371	48,891.394	15,222.949	45,175.137	60,471.989	2,847.902
Total domestic	1,611,734.706	48,909.230	529,743.781	638,364.866	143,554.785	251,162.044

Imports:						
Bullion unrefined	307,481.242		93,898.178		213,580.795	2.269
Bullion refined	14,297,553.202		51,126.965		14,246,526.237	
Secondary	355.437	32.855			322.582	
Foreign coin	137,373.079	45.134	143.229	2.640	137,181.847	.229
Total imports	14,742,862.960	77.989	145,168.372	2.640	14,597,611.461	2.498
Recoveries:						
Grains Receiving Division	166.477	39.229	47.177	14.761	47.876	17.434
Operative recoveries	1,002.330	54.215	52.537	244.177	639.048	12.353
Total recoveries	1,168.807	93.444	99.714	258.938	686.924	29.737
Total primary receipts	16,355,766.473	49,080.663	675,011.867	638,626.444	14,741,853.170	251,194.329
REDEPOSITS						
By Treasury and Federal Reserve banks						
Total acquisitions	16,355,766.473	49,080.663	675,011.867	638,626.444	14,741,853.170	251,194.329
INTERMINT TRANSFERS						
Refined bars	71,179.266	71,179.266				
Unrefined bars	308,968.725		257,512.605		51,456.120	
Proof bullion	100.000		100.000			
Total intermint transfers	380,247.991	71,179.266	257,612.605		51,456.120	
Grand total fine ounces	16,736,014.464	120,259.929	932,624.472	638,626.444	14,793,309.290	251,194.329
VALUE	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Purchases at $20.67+ per ounce	2,412.48	239.20	782.54	146.22	1,208.55	35.97
Increment to $35 per ounce	1,673.45	166.06	543.37	101.36	837.68	24.98
Purchases at $35 per ounce	572,191,745.88	1,539,550.05	23,566,522.43	22,331,413.06	515,962,533.05	8,791,727.29
Domestic coin transferred (melted)	257,993.35	177,864.69	59,566.92	20,265.00	283.50	13.24
Intermint transfers	13,306,679.73	2,491,274.35	9,014,441.18		1,800,964.20	
Total value at $35 per ounce	585,760,504.89	4,209,094.35	32,641,856.44	22,351,925.64	517,765,826.98	8,791,801.48

912795—51——4

Deposits and purchases of silver during the fiscal year 1950

[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:	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*
Newly mined—mine source:						
Alaska	29,208.24	0.27	1,256.03	25.80		27,926.14
Arizona	58.76		46.06	12.28		.42
California	82,295.33		82,292.44	1.11		1.78
Colorado	15,106.80			15,106.80		
Georgia	1,706.97	.27		1,706.70		
Idaho	3,783.02		903.45	413.53		2,466.04
Missouri	.27				0.27	
Montana	15,765.59			13,804.44		1,961.15
Nevada	445,218.92		439,936.97	2,727.77		2,554.18
New Mexico	11.88			11.88		
Oregon	2,664.90		437.25	.37		2,227.28
South Dakota	30,306.39			30,306.39		
Utah	1.14			1.14		
Washington	79.69					79.69
Wyoming	1.60			1.60		
Unallocated	4.31	.28		4.03		
Total newly mined unrefined	626,213.81	.82	524,872.20	64,123.84	.27	37,216.66
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine)	397,683.68			100,633.02	297,037.67	12.99
Refined bars (0.996 fine and over)	37,225,664.64	18,090,191.49	19,135,473.15			
Total newly mined refined	37,623,348.32	18,090,191.49	19,135,473.15	100,633.02	297,037.67	12.99
Total newly mined	38,249,562.13	18,090,192.31	19,660,345.35	164,756.86	297,037.94	37,229.67
Other domestic:						
Secondary	363,559.43	43,271.36	173,298.19	17,726.20	128,271.60	992.08
Domestic coin:						
Purchased	4,806.52	2,376.63	710.94	1,301.62	417.33	
Transferred from Treasury and Federal Reserve banks	1,860,063.37	1,415,752.77	277,648.88	166,661.72		
Uncurrent silver dollars melted	205,400.24	90,404.11	76,038.91	38,957.22		
Total other domestic	2,433,829.56	1,551,804.87	527,696.92	224,646.76	128,688.93	992.08
Total domestic	40,683,391.69	19,641,997.18	20,188,042.27	389,403.62	425,726.87	38,221.75

Imports:						
Bullion unrefined	28, 186. 11		26, 384. 77		1, 801. 34	
Bullion refined	46, 992. 58				46, 992. 58	
Foreign coin	235. 25				235. 25	
Secondary	160. 14	5. 30			154. 84	
Total imports	75, 574. 08	5. 30	26, 384. 77		49, 184. 01	
Return of lend-lease silver						
Recoveries:						
Grains Receiving Division	123. 48	48. 03	42. 30	7. 61	14. 47	11. 07
Operative recoveries	11, 388. 11		4, 303. 78	7, 061. 13	9. 16	14. 04
Total recoveries	11, 511. 59	48. 03	4, 346. 08	7, 068. 74	23. 63	25. 11
Total primary receipts	40, 770, 477. 36	19, 642, 050. 51	20, 218, 773. 12	396, 472. 36	474, 934. 51	38, 246. 86
REDEPOSITS						
By Office of Defense Plants of RFC, etc	55, 006, 811. 67	5, 338, 313. 15		36, 865, 932. 89	12, 802, 565. 63	
Total acquisitions	95, 777, 289. 03	24, 980, 363. 66	20, 218, 773. 12	37, 262, 405. 25	13, 277, 500. 14	38, 246. 86
INTERMINT TRANSFERS						
Unrefined bars	117, 273. 34		39, 831. 43		77, 441. 91	
Proof bullion	100. 00		50. 00		50. 00	
Assay coin	235. 75	235. 75				
Total intermint transfers	117, 609. 09	235. 75	39, 881. 43		77, 491. 91	
DEPOSITED IN TRUST						
Imported bullion	11, 491, 004. 98	11, 491, 004. 98				
Bullion from domestic refineries	500, 092. 15	500, 092. 15				
Total deposited in trust	11, 991, 097. 13	11, 991, 097. 13				
Grand total fine ounces	107, 885, 995. 25	36, 971, 696. 54	20, 258, 654. 55	37, 262, 405. 25	13, 354, 992. 05	38, 246. 86
VALUE	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cost of primary receipts	34, 939, 211. 03	16, 405, 008. 17	17, 940, 124. 42	164, 280. 32	397, 367. 15	32, 430. 97
Cost of bullion transferred	70, 414. 41	235. 90	33, 912. 97		36, 175. 54	
Subsidiary coining value of transferred domestic coin	2, 571, 367. 96	1, 957, 149. 08	383, 824. 25	230, 394. 63		
Subsidiary coining value of melted uncurrent dollars	283, 946. 81	124, 975. 44	105, 116. 86	53, 854. 51		
Monetary value ($1.29+ per fine ounce) of bullion transferred	152, 060. 24	304. 81	51, 563. 87		100, 191. 56	
Monetary value ($1.29+ per fine ounce) of silver acquired	123, 833, 262. 50	32, 297, 843. 90	26, 141, 444. 01	48, 177, 655. 24	17, 166, 868. 86	49, 450. 49

Deposits and purchases of gold during the calendar year 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	225,524.629	1.769	9,144.680	156.961	279.400	215,941.819
Arizona	564.834		537.522	27.312		
California	355,439.001		355,356.501			82.500
Colorado	46,879.906			46,874.096		5.810
Georgia	5.616	5.616				
Idaho	16,765.809		1,358.412	3,059.356		12,347.541
Montana	13,562.244			7,842.973		5,719.271
Nevada	70,101.716		65,591.160	459.543		4,051.013
New Mexico	28.650			28.650		
North Carolina	10.433	10.433				
Oregon	11,357.765		2,312.368			9,045.397
South Dakota	17,451.017			17,451.017		
Texas						
Utah	58.580			58.580		
Washington	1,004.336					1,004.336
Wyoming	166.568			166.568		
Unallocated	19.643	15.489		3.094	1.060	
Total newly mined unrefined	758,940.747	33.307	434,300.643	76,128.650	280.460	248,197.687
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.995 fine)	11,900.967			1,102.505	4,879.692	5,918.770
Refined bars (0.995 fine and over)	523,588.450		11,673.401	435,919.504	75,335.254	660.291
Total newly mined refined	535,489.417		11,673.401	437,022.009	80,214.946	6,579.061
Total newly mined domestic	1,294,430.164	33.307	445,974.044	513,150.659	80,495.406	254,776.748
Other domestic:						
Secondary	149,295.246	45,978.608	12,546.968	32,428.232	55,629.448	2,711.990
Domestic coin:						
Purchased	228.474	7.722	3.903	1.116	215.504	.229
Transferred from Treasury and Federal Reserve banks	5,132.010	3,297.588	1,091.332	743.090		
Total other domestic	154,655.730	49,283.918	13,642.203	33,172.438	55,844.952	2,712.219
Total domestic	1,449,085.894	49,317.225	459,616.247	546,323.097	136,340.358	257,488.967

Imports:						
Bullion unrefined	1,095,957.243		110,284.884		985,628.513	43.846
Bullion refined	19,309,562.220		36.442		19,309,525.778	
Secondary	71.332	45.224			26.108	
Foreign coin	137,472.177	284.557	15.301	3.643	137,168.126	.550
Total imports	20,543,062.972	329.781	110,336.627	3.643	20,432,348.525	44.396
Recoveries:						
Grains Receiving Division	142.436	40.402	39.851	13.582	36.053	12.548
Operative recoveries	1,304.324	54.215	53.051	244.177	943.623	9.258
Total recoveries	1,446.760	94.617	92.902	257.759	979.676	21.806
Total primary receipts	21,993,595.626	49,741.623	570,045.776	546,584.499	20,569,668.559	257,555.169
REDEPOSITS						
By Treasury and Federal Reserve banks						
Total acquisitions	21,993,595.626	49,741.623	570,045.776	546,584.499	20,569,668.559	257,555.169
INTERMINT TRANSFERS						
Refined bars	131,327.423	71,179.266	60,148.157			
Unrefined bars	43,476.598				43,476.598	
Proof bullion	150.000		100.000	50.000		
Total intermint transfers	174,954.021	71,179.266	60,248.157	50.000	43,476.598	
Grand total fine ounces	22,168,549.647	120,920.889	630,293.933	546,634.499	20,613,145.157	257,555.169
VALUE	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Purchases at $20.67+ per ounce	3,407.27	921.82	966.86	98.38	1,272.41	147.80
Increment to $35 per ounce	2,362.98	639.22	671.18	68.19	881.94	102.45
Purchases at $35 per ounce	769,590,455.40	1,623,976.86	19,911,767.42	19,104,283.02	719,936,246.87	9,014,181.23
Domestic coin transferred (melted)	179,620.35	115,415.58	38,196.62	26,008.15		
Intermint transfers	6,123,390.77	2,491,274.35	2,108,685.49	1,750.00	1,521,680.93	
Total value at $35 per ounce	775,899,286.77	4,232,227.83	22,060,287.57	19,132,207.74	721,460,082.15	9,014,431.48

Deposits and purchases of silver during the calendar year 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	32,422.67	0.27	1,519.44	31.99		30,870.97
Arizona	94.73		84.54	10.19		
California	78,121.64		78,112.44			9.20
Colorado	14,577.90			14,577.58		.32
Georgia	1,707.24	.54		1,706.70		
Idaho	3,563.26		765.46	224.52		2,573.28
Maryland	.42	.42				
Missouri	.27				0.27	
Montana	13,217.03			10,828.24		2,388.79
Nevada	421,175.57		420,512.29	110.36		552.92
New Mexico	7.57			7.57		
North Carolina	.63	.63				
Oregon	2,511.15		463.00			2,048.15
South Dakota	24,754.86			24,754.86		
Utah	24.11			24.11		
Washington	632.41					632.41
Wyoming	10.57			10.57		
Unallocated	.40			.40		
Total newly mined unrefined	592,822.43	1.86	501,457.17	52,287.09	.27	39,076.04
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine)	377,165.58			80,119.72	297,036.35	9.51
Refined bars (0.996 fine and over)	32,083,438.38	12,463,842.72	19,619,595.66			
Total newly mined refined	32,460,603.96	12,463,842.72	19,619,595.66	80,119.72	297,036.35	9.51
Total newly mined	33,053,426.39	12,463,844.58	20,121,052.83	132,406.81	297,036.62	39,085.55
Other domestic:						
Secondary	276,452.29	34,375.95	111,735.72	16,055.80	113,356.62	928.20
Domestic coin:						
Purchased	5,943.20	3,104.94	857.72	1,504.33	476.21	
Transferred from Treasury and Federal Reserve banks	1,585,851.06	1,147,639.62	235,166.33	203,045.11		
Uncurrent silver dollars melted	181,480.87	71,408.56	56,661.97	53,410.34		
Total other domestic	2,049,727.42	1,256,529.07	404,421.74	274,015.58	113,832.83	928.20
Total domestic	35,103,153.81	13,720,373.65	20,525,474.57	406,422.39	410,869.45	40,013.75

Imports:						
Bullion unrefined	35,639.01		32,637.88		3,001.13	
Bullion refined	17,091.84				17,091.84	
Secondary	8.08	8.08				
Foreign coins	2,357.20		.14		2,357.06	
Total imports	55,096.13	8.08	32,638.02		22,450.03	
Return of lend-lease silver						
Recoveries:						
Grains Receiving Division	109.70	61.71	30.79	6.88	7.31	3.01
Operative recoveries	11,506.00		4,308.20	7,061.13	132.93	3.74
Total recoveries	11,615.70	61.71	4,338.99	7,068.01	140.24	6.75
Total primary receipts	35,169,865.64	13,720,443.44	20,562,451.58	413,490.40	433,459.72	40,020.50
REDEPOSITS						
By Office of Defense Plants of RFC, etc	86,619,862.97	23,415,897.51		39,238,333.67	23,965,631.79	
Total acquisitions	121,789,728.61	37,136,340.95	20,562,451.58	39,651,824.07	24,399,091.51	40,020.50
INTERMINT TRANSFERS						
Unrefined bars	76,523.53		11,517.71		65,005.82	
Proof bullion	250.00		50.00	200.00		
Assay coin	506.72	506.72				
Total intermint transfers	77,280.25	506.72	11,567.71	200.00	65,005.82	
DEPOSITED IN TRUST						
Imported bullion	26,323,219.37	24,921,960.32	1,401,259.05			
Bullion from domestic refineries	1,400,958.34	1,400,958.34				
Total deposited in trust	27,724,177.71	26,322,918.66	1,401,259.05			
Grand total fine ounces	149,591,186.57	63,459,766.33	21,975,278.34	39,652,024.07	24,464,097.33	40,020.50
VALUE	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cost of primary receipts	30,157,128.00	11,307,138.93	18,315,626.57	133,866.72	366,589.37	33,906.41
Cost of bullion transferred	40,798.72	700.50	9,617.11	145.06	30,336.05	
Subsidiary coining value of transferred domestic coin	2,192,294.45	1,586,507.10	325,096.00	280,691.35		
Subsidiary coining value of melted uncurrent dollars	250,880.76	98,715.83	78,330.01	73,834.92		
Monetary value ($1.29+ per fine ounce) of bullion transferred	99,917.90	655.15	14,956.23	258.59	84,047.93	
Monetary value ($1.29+ per fine ounce) of silver acquired	157,465,507.60	48,014,663.02	26,585,795.96	51,267,004.83	31,546,300.11	51,743.68

Deposits of foreign gold bullion and coin during the fiscal year 1950

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

Country from which exported	Unrefined bullion	Refined bullion	Secondary	Coin	Total	Total value
	Fine ounces	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Dollars*
North America:						
Canada	2.269	778.277	----------	9.094	789.640	27,637.40
Mexico	----------	----------	----------	2.407	2.407	84.23
Central America:						
Costa Rica	----------	----------	10.307	----------	10.307	360.74
Dominican Republic	1,062.621	----------	----------	----------	1,062.621	37,191.73
Honduras	647.633	----------	20.167	----------	667.800	23,373.00
South America:						
British Guiana	11,252.358	----------	----------	----------	11,252.358	393,832.53
Chile	----------	6,808.297	----------	----------	6,808.297	238,290.40
Europe:						
Austria	----------	----------	----------	.224	.224	7.84
Belgium	----------	71,868.906	1.162	----------	71,870.068	2,515,452.38
England	2.683	10,429,534.873	----------	.233	10,429,537.789	365,033,822.61
France	11.418	----------	----------	----------	11.418	399.63
Germany	----------	----------	321.420	2.791	324.211	11,347.40
Lithuania	2,235.186	----------	----------	----------	2,235.186	78,231.51
Malta	----------	----------	----------	22.026	22.026	770.91
Poland	----------	7,483.508	----------	----------	7,483.508	261,922.78
Spain	178,643.964	181,656.493	----------	----------	360,300.477	12,610,516.70
Switzerland	----------	714,383.593	----------	----------	714,383.593	25,003,425.76
Africa:						
Ethiopia	1,412.798	----------	----------	----------	1,412.798	49,447.93
Liberia	10,337.438	----------	----------	----------	10,337.438	361,810.33
Union of South Africa	----------	2,832,666.908	----------	----------	2,832,666.908	99,143,341.78
Asia and Oceania:						
Australia	51.753	----------	----------	----------	51.753	1,811.35
China	7,925.745	52,435.905	----------	----------	60,361.650	2,112,657.75
Fiji Islands	93,895.356	----------	----------	----------	93,895.356	3,286,337.46
Manchuria	----------	----------	2.381	----------	2.381	83.33
Unallocated	----------	36.442	----------	137,336.304	137,372.746	4,808,046.11
Total	307,481.242	14,297,653.202	355.437	137,373.079	14,742,862.960	516,000,203.59

Deposits of foreign silver bullion and coin during the fiscal year 1950

[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	17,091.84	Africa:	
Central America:		Ethiopia	73.06
Costa Rica	2.26	Liberia	241.44
Dominican Republic	177.66	Asia and Oceania:	
Honduras	146.11	Australia	11.43
South America: British Guiana	1,152.83	China	.15
Europe:		Fiji Islands	26,384.62
Belgium	.51	Japan	14,707.94
England	15,192.94	Unallocated	235.25
France	1.71		
Germany	154.33	Total	75,574.08

[1] Includes 28,186.11 ounces unrefined bullion; 46,992.58 ounces refined bullion; 160.14 ounces secondary; and 235.25 ounces coin.

Deposits of foreign gold bullion and coin during the calendar year 1949

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

Country from which exported	Unrefined bullion	Refined bullion	Secondary	Coin	Total	Total value
	Fine ounces	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Fine ounces*	*Dollars*
North America:						
Canada	41.577	812.162			853.739	29,880.87
Mexico		291,084.949		3.181	291,088.130	10,188,084.55
Central America:						
Costa Rica	29.073				29.073	1,017.56
Dominican Republic	857.298				857.298	30,005.43
Honduras			39.111		39.111	1,368.89
Panama			6.113		6.113	213.96
South America:						
British Guiana	12,804.869				12,804.869	448,170.41
Chile		14,529.036			14,529.036	508,516.26
Colombia	199,883.295				199,883.295	6,995,915.33
Europe:						
Austria				.332	.332	11.62
Belgium		71,868.906			71,868.906	2,515,411.71
Germany				3.353	3.353	117.36
Great Britain	579,941.470	12,170,338.567	23.453	260.828	12,750,564.318	446,269,750.85
Holland		296,278.073			296,278.073	10,369,732.56
Switzerland	181,714.923	714,383.593			896,098.516	31,363,448.06
Africa:						
Ethiopia	1,412.798				1,412.798	49,447.93
Liberia	8,934.808				8,934.808	312,718.28
Union of South Africa		5,750,230.492			5,750,230.492	201,258,067.22
Oceania:						
Australia	51.753				51.753	1,811.35
Fiji	110,283.110				110,283.110	3,859,908.85
Unallocated	2.269	36.442	2.655	137,204.483	137,245.849	4,803,604.71
Total	1,095,957.243	19,309,562.220	71.332	137,472.177	20,543,062.972	719,007,203.95

Deposits of foreign silver bullion and coin during the calendar 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	17,314.24	Africa:	
Central America:		Ethiopia	73.06
Costa Rica	1.38	Liberia	149.45
Dominican Republic	130.49	Oceania:	
Honduras	6.12	Australia	11.43
Panama	1.96	Fiji Islands	32,415.40
South America:		Unallocated	2,357.20
British Guiana	1,747.73		
Colombia	623.48	Total	55,096.13
Europe:			
Great Britain	264.11		
Switzerland	.08		

[1] In addition, silver deposited in trust for use in coinage for other governments was as follows: Imported from Mexico, 24,921,960.32 fine ounces of refined bullion.

[2] Includes 35,639.01 fine ounces unrefined; 17,091.84 fine ounces refined and 2,357.20 fine ounces coin, and 8.08 fine ounces secondary.

U. OF ILL. LIB.

Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1950

[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	$116,600.00	$2,280.00	$118,880.00
Eagles	18,610.00	1,790.00	20,400.00
Half eagles	15,260.00	620.00	15,880.00
$3 pieces	15.00	6.00	21.00
Quarter eagles	2,040.00	65.00	2,105.00
$1 pieces	36.00	9.00	45.00
Total gold	152,561.00	4,770.00	157,331.00
Total value gold at $20.67+ per ounce			156,874.63
Silver:			
Trade dollars		2.00	2.00
Standard dollars	273,501.00	1,122.00	274,623.00
Half dollars	969,863.50	2,126.50	971,990.00
Quarter dollars	1,044,437.00	2,176.00	1,046,613.00
20-cent pieces	.80		.80
Dimes	750,584.20	2,200.00	752,784.20
Half-dimes	27.30	.10	27.40
3-cent pieces	26.31	.03	26.34
Total silver	3,038,440.11	7,626.63	3,046,066.74
Nickel:			
5-cent pieces	211,799.03	20.24	211,819.27
3-cent pieces	18.90		18.90
1-cent pieces	8.73	305.31	314.04
Total nickel	211,826.66	325.55	212,152.21
Bronze:			
2-cent pieces	9.08		9.08
1-cent pieces	152,506.02	27.71	152,533.73
Total bronze	152,515.10	27.71	152,542.81
Copper:			
1-cent pieces	14.13		14.13
½-cent pieces	1.23		1.23
Total copper	15.36		15.36
Copper-silver-manganese: 5-cent pieces	42,275.10		42,275.10
Zinc-coated steel: 1-cent pieces	291,274.39		291,274.39
Total minor	697,906.61	353.26	698,259.87
Grand total	3,888,907.72	12,749.89	3,901,657.61

SUMMARY

		Weights
Metal obtained from melting the above:		
Gold	fine ounces	7,588.810
Silver:		
Uncurrent silver dollars	do	205,400.24
All other silver coin	do	1,865,105.64
Cupro-nickel	gross ounces	658,248.44
Bronze, copper, and copper-zinc	do	1,404,130.38
Copper-silver-manganese alloy (not recoined)	do	134,819.27
Zinc-coated steel (not recoined)	do	2,579,947.49
		Value
Monetary value of metal obtained:		
Gold (at $35 per fine ounce)		$265,608.35
Silver (at $1.38+ per fine ounce):		
Uncurrent silver dollars		283,947.11
All other silver coin		2,578,338.54
Cupro-nickel		204,742.91
Bronze, copper, and copper-zinc		140,413.03
Gain by recoinage: Uncurrent silver dollars (net)		10,446.10
Total		3,483,496.04
Loss by recoinage:		
Silver (except uncurrent silver dollars)		193,105.20
Cupro-nickel		7,409.30
Bronze, copper, and copper-zinc		12,145.14
Total		212,659.64

Domestic coins, including assay pieces, withdrawn from monetary use during the calendar 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	$52,160.00	$2,100.00	$54,260.00
Eagles	29,080.00	1,780.00	30,860.00
Half eagles	22,690.00	665.00	23,355.00
$3 pieces	15.00	15.00	30.00
Quarter eagles	2,477.50	75.00	2,552.50
$1 pieces	31.00	30.00	61.00
Total gold	106,453.50	4,665.00	111,118.50
Total value gold at $20.67+ per ounce			110,811.04
Silver:			
Trade dollars		4.00	4.00
Standard dollars	241,740.00	976.00	242,716.00
Half dollars	822,371.00	2,811.00	825,182.00
Quarter dollars	870,033.00	3,195.50	873,228.50
20-cent pieces	1.60		1.60
Dimes	666,695.30	2,970.00	669,665.30
Half dimes	41.80	.10	41.90
3-cent pieces	19.44	.03	19.47
Total silver	2,600,902.14	9,956.63	2,610,858.77
Nickel:			
5-cent pieces	204,211.40		204,211.40
3-cent pieces	17.01		17.01
1-cent pieces	8.75		8.75
Total nickel	204,237.16		204,237.16
Copper:			
1-cent pieces	15.60		15.60
½-cent pieces	130,383.44	81.03	130,464.47
Total copper	130,399.04	81.03	130,480.07
Bronze and copper-zinc:			
2-cent pieces (bronze)	25.37		25.37
1-cent pieces	.20		.20
Total bronze and copper-zinc	25.57		25.57
Copper-silver-manganese:			
5-cent pieces	33,061.00		33,061.00
Zinc-coated steel: 1-cent pieces	186,048.11		186,048.11
Total minor	553,770.88	81.03	553,851.91
Grand total	3,261,126.52	14,702.66	3,275,829.18

SUMMARY

		Weights
Metal obtained from melting the above:		
Gold	fine ounces	5,360.484
Silver:		
Uncurrent silver dollars	do	181,480.87
All other silver coin	do	1,592,300.98
Cupro-nickel	gross ounces	634,112.83
Bronze, copper, and copper-zinc	do	1,284,016.65
Copper-silver-manganese alloy (not recoined)	do	103,544.07
Zinc-coated steel (not recoined)	do	1,648,328.77
		Value
Monetary value of metal obtained:		
Gold (at $35 per fine ounce)		$187,616.94
Silver (at $1.38+ per fine ounce):		
Uncurrent silver dollars		250,890.76
All other silver coin		2,201,210.96
Cupro-nickel		197,235.72
Bronze, copper, and copper-zinc		128,401.67
Gain by recoinage: Uncurrent silver dollars (net)		9,140.76
Total		2,974,496.81
Loss by recoinage:		
Silver (except uncurrent silver dollars)		166,931.81
Cupro-nickel		7,001.44
Bronze, copper, and copper-zinc		2,103.95
Total		176,037.20

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	1950	273,501
1946	96,455		
1947	66,655	Total	54,172,954

[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	1950	1,122
1939	629		
1940	366	Total	235,739

[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	128,822
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	1950	3,046,067	2,862,286	183,781
1939	4,861,773	4,434,279	427,494				
1940	4,530,970	4,140,548	390,422	Total	276,893,746	263,991,184	12,997,467

[1] Includes 11,111,168 standard silver dollars melted for subsidiary coin under act of Apr. 23, 1918; and 54,172,954 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.

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. No sales made during fiscal year 1950.

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

Estimated monetary stock of gold and silver in the United States and the amount per capita at the close of each fiscal year 1936–50 [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
1950	24,230,720	3,496,991	151,734	159.69	23.05	182.74

[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.

Summary of newly mined domestic silver purchased by the Treasury, fiscal years 1934–50

Fiscal year	Purchased under Executive Proclamation of Dec. 21, 1933, and subsequent proclamations [1]		Purchased under the act of July 6, 1939 [2]		Purchased under the act of July 6, 1939, as amended by the act of July 31, 1946 [3]		Total newly mined domestic	
	Fine ounces	*Value*	*Fine ounces*	*Value*	*Fine ounces*	*Value*	*Fine ounces*	*Value*
1934	8,558,161	$5,532,520					8,558,161	$5,532,520
1935	30,863,349	20,214,113					30,863,349	20,214,113
1936	49,479,904	38,181,917					49,479,904	38,181,917
1937	62,932,341	48,776,104					62,932,341	48,776,104
1938	68,117,418	50,877,249					68,117,418	50,877,249
1939	63,615,086	41,608,830					63,615,086	41,608,830
1940	17,630,035	11,396,258	44,567,059	$31,691,636			62,197,094	43,087,894
1941	2,136	1,381	71,408,243	50,778,402			71,410,379	50,779,783
1942			68,401,222	48,640,109			68,401,222	48,640,109
1943			19,602,070	13,929,032			19,602,070	13,929,032
1944			661,475	470,375			661,475	470,375
1945			71,791	51,051			71,791	51,051
1946			1,289,087	916,670			1,289,087	916,670
1947			262,544	186,695	18,087,510	$16,370,108	18,350,054	16,556,803
1948			40,058	28,486	33,443,750	30,268,282	33,483,808	30,296,768
1949			233	165	36,328,853	32,879,431	36,329,086	32,879,596
1950			665	473	38,228,140	34,602,337	38,228,805	34,602,810
Total	301,198,430	216,588,372	206,304,447	146,693,094	126,088,253	114,120,158	633,591,130	477,401,624

[1] Purchased at the following prices: At 64.64+ cents per fine ounce Dec. 21, 1933–Apr. 9, 1935; at 71.11+ cents per fine ounce Apr. 10, 1935–Apr. 23, 1935; at 77.57+ cents per fine ounce Apr. 24, 1935–Dec. 31, 1937; at 64.64+ cents per fine ounce Jan. 1, 1938–June 30, 1939; at 71.11+ cents per fine ounce after July 1, 1939.

[2] Purchased at 71.11+ cents per fine ounce.

[3] Purchased at 90.505+ cents per fine ounce.

Detailed receipts of the Bureau of the Mint for the fiscal year ended June 30, 1950

Item	Philadelphia Mint	San Francisco Mint	Denver Mint	New York Assay Office and West Point Bullion Depository	Seattle Assay Office	Office of Director, Washington, D. C.	Total
General receipts:							
Seigniorage on subsidiary silver coinage	$3,169,068.57	$2,145,835.17	$2,741,177.32				$8,056,081.06
Seigniorage on minor coinage	3,404,900.35	250,950.10	2,079,733.26				5,735,583.71
Seigniorage on silver bullion, difference between cost value and monetary value	1,363,333.34	9,662,863.70					11,026,197.04
Charges on bullion deposits	13,477.69	62,791.78	15,237.05	$54,881.59	$17,336.35		163,724.46
Bar charges on bullion sales	560.21	306.44	2,678.70	33,410.84			36,956.19
Proceeds of surplus bullion recovered	16,014.89	4,694.39	17,573.47	35,368.69	13,735.39		87,386.83
Handling charges on gold purchases	3,475.84	58,866.70	55,806.12	249,798.20	21,976.82		389,923.68
Handling charges on gold sales	1,997.82	1,997.87	7,341.01	196,100.15			207,436.85
Charges on sales and handling, not otherwise classified	326.10						326.10
Commissions on telephone pay stations in Federal buildings outside of Washington, D. C.	100.85		55.59				156.44
Fees, vending machines			58.20				58.20
Unclaimed funds and abandoned property, not otherwise classified	2.01					$21.70	23.71
Fines, penalties, and forfeitures, not otherwise classified		4,504.14		2,757.64		1,000.00	8,261.78
Sale of scrap, salvage, and waste (by products), not otherwise classified	865.21						865.21
Sale of stores	7.75						7.75
Proceeds of medals sold	8,143.02						8,143.02
Testing fees	696.00		12.00	2,015.00	384.50		3,107.50
Fees and other charges for administrative, professional, and scientific services, not otherwise classified	83.00						83.00
Fees and charges for miscellaneous services, not otherwise classified	2,975.42					996.04	3,971.46
Sale of scrap and salvaged surplus materials	695.71	462.53	139.81	1,310.90			2,608.95
Sale of equipment				150.00			150.00
Refund of transportation charges						7.59	7.59
Recoveries, jury service		6.00	22.50	33.00			61.50
Repayments, lapsed appropriations	5.00		12.51			8.43	25.94
Refund on empty containers	75.00			92.50			167.50
Refund of terminal leave compensation	1,939.52						1,939.52
Recoveries and refunds, not otherwise classified	81.81			7.00			88.81
Total general account receipts	7,988,825.11	12,193,278.82	4,919,847.54	575,925.51	53,433.06	2,033.76	25,733,343.80
Special account receipts: Increment resulting from reduction in weight of the gold dollar	2,049.63	542.73	101.36	4,100.04	24.98		6,818.74
Total receipts	7,990,874.74	12,193,821.55	4,919,948.90	580,025.55	53,458.04	2,033.76	25,740,162.54

Cash assets and liabilities of the United States Mint Institutions on June 30, 1950

ASSETS

Institution	Gold bullion		Silver bullion	
	Fine ounces	Value	Fine ounces	Value
Philadelphia Mint	113,501.052	$3,972,524.89	123,286,533.91	$110,895,365.33
San Francisco Mint	14,517,798.625	508,122,951.80	554,995,758.43	713,538,666.25
Denver Mint	164,975,527.570	5,774,103,464.88	133,298,108.99	161,247,535.64
New York Assay Office (including West Point Depository)	156,007,856.845	5,460,274,999.63	339,888,684.01	425,208,079.86
Seattle Assay Office	21,105.728	738,700.53	4,116.29	3,179.39
Fort Knox Depository	356,669,010.306	12,483,415,360.28		
Total	692,304,800.126	24,230,633,002.01	1,151,473,201.63	1,410,892,826.47

Institution	Silver coin	Minor coin	Paper currency
Philadelphia Mint	$152,735,407.65	$3,890,144.69	
San Francisco Mint	33,237,375.80	1,768,420.89	$23,150.00
Denver Mint	18,234,656.70	1,212,184.84	12,000.00
New York Assay Office (including West Point Depository)	48,509,862.85		260,000.00
Seattle Assay Office			
Fort Knox Depository			
Total	252,717,303.00	6,870,750.42	295,150.00

Institution	Minor coinage metal	Reimbursable losses on melted coin	Checking credit with U. S. Treasurer	Total assets
Philadelphia Mint	$291,755.00	$517.74	$334,404.57	$272,120,119.87
San Francisco Mint	202,522.43	6,952.85	40,810.26	1,256,940,850.28
Denver Mint	233,714.26	5,313.57	104,389.64	5,955,158,259.53
New York Assay Office (including West Point Depository)				5,934,252,942.34
Seattle Assay Office				741,879.92
Fort Knox Depository				12,483,415,360.28
Total	727,991.69	12,784.16	479,604.47	25,902,629,412.22

LIABILITIES

Institution	Bullion fund	Minor coinage metal fund	Recoinage fund subsidiary	Recoinage fund minor	Total liabilities
Philadelphia Mint	$270,842,170.45	$525,000.00	$650,211.34	$102,738.08	$272,120,119.87
San Francisco Mint	1,256,578,175.17	175,000.00	106,921.60	80,753.51	1,256,940,850.28
Denver Mint	5,954,607,407.23	300,000.00	140,142.56	110,709.74	5,955,158,259.53
New York Assay Office (including West Point Depository)	5,934,252,942.34				5,934,252,942.34
Seattle Assay Office	741,879.92				741,879.92
Fort Knox Depository	12,483,415,360.28				12,483,415,360.28
Total	25,900,437,935.39	1,000,000.00	897,275.50	294,201.33	25,902,629,412.22

Cash assets and liabilities of the United States Mint Institutions on December 31, 1949

ASSETS

Institution	Gold bullion		Silver bullion	
	Fine ounces	Value	Fine ounces	Value
Philadelphia Mint	150,029.922	$5,251,037.41	112,269,342.73	$99,227,642.87
San Francisco Mint	13,903,071.361	486,607,497.48	545,096,083.88	698,519,400.83
Denver Mint	164,673,646.891	5,763,577,640.98	114,420,883.49	135,187,062.37
New York Assay Office (including West Point Depository)	162,289,795.294	5,680,142,842.75	329,997,407.57	412,488,519.77
Seattle Assay Office	223,960.319	7,838,610.98	35,178.36	29,525.81
Fort Knox Depository	356,669,010.306	12,483,415,360.28		
Total	697,909,514.093	24,426,832,989.88	1,101,818,896.03	1,345,452,151.65

Institution	Silver coin	Minor coin	Paper currency
Philadelphia Mint	$154,107,846.90	$3,081,459.70	
San Francisco Mint	34,515,367.00	1,511,311.28	$18,700.00
Denver Mint	18,042,049.90	1,373,579.98	9,250.00
New York Assay Office (including West Point Depository)	48,660,804.00	.81	1,400,693.00
Seattle Assay Office			
Fort Knox Depository			
Total	255,326,067.80	5,966,351.77	1,428,643.00

912795—51——5

Cash assets and liabilities of the United States Mint Institutions on December 31, 1949—Continued

ASSETS—Continued

Institution	Minor coinage metal	Reimbursable losses on melted coin	Checking credit with U. S. Treasurer	Total assets
Philadelphia Mint	$224,713.68	$22,998.49	$418,412.97	$262,334,112.02
San Francisco Mint	187,271.60		15,283.70	1,221,374,831.89
Denver Mint	193,710.95	6,484.56	20,231.19	5,918,410,009.93
New York Assay Office (including West Point Depository)				6,142,692,860.33
Seattle Assay Office				7,868,136.79
Fort Knox Depository				12,483,415,360.28
Total	605,696.23	29,483.05	453,927.86	26,036,095,311.24

LIABILITIES

Institution	Bullion fund	Minor coinage metal fund	Recoinage fund subsidiary	Recoinage fund minor	Total liabilities
Philadelphia Mint	$261,416,899.99	$625,000.00	$219,796.09	$72,415.94	$262,334,112.02
San Francisco Mint	1,221,036,680.10	175,000.00	88,085.35	75,066.44	1,221,374,831.89
Denver Mint	5,918,011,331.31	200,000.00	97,168.25	101,510.37	5,918,410,009.93
New York Assay Office (including West Point Depository)	6,142,692,860.33				6,142,692,860.33
Seattle Assay Office	7,868,136.79				7,868,136.79
Fort Knox Depository	12,483,415,360.28				12,483,415,360.28
Total	26,034,441,268.80	1,000,000.00	405,049.69	248,992.75	26,036,095,311.24

United States coinage during the calendar year 1949

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER					
Half dollars:					
Regular	$2,807,000	$1,872,000	$2,060,300	$6,739,300	13,478,600
Commemorative: Booker T. Washington	6,002	6,002	6,002	18,006	36,012
Quarter dollars	2,328,000		2,517,100	4,845,100	19,380,400
Dimes	3,094,000	1,351,000	2,603,400	7,048,400	70,484,000
Total silver	8,235,002	3,229,002	7,186,802	18,650,806	103,379,012
MINOR					
Five-cent pieces (cupro-nickel)	3,032,600	485,800	1,824,900	5,343,300	106,866,000
One-cent pieces (bronze)	2,177,750	642,900	1,531,325	4,351,975	435,197,500
Total minor	5,210,350	1,128,700	3,356,225	9,695,275	542,063,500
Total domestic coinage	13,445,352	4,357,702	10,543,027	28,346,081	645,442,512

United States coinage during the past 10 fiscal years—by denomination and number of pieces

Mint and denomination	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Total
PHILADELPHIA											
Silver:											
Half dollars	14,663,691	31,753,130	67,023,354	32,918,000	40,378,000	8,550,000	13,466,603	3,120,022	4,110,818	6,506,927	222,990,548
Quarter dollars	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	11,562,194	618,436,017
Dimes	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	5,302,573	1,493,847,653
Minor:											
5-cent pieces	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	50,331,554	1,341,926,932
1-cent pieces	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	173,240,416	7,051,135,358
Total	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	246,943,664	10,728,336,508
SAN FRANCISCO											
Silver:											
Half dollars	4,766,000	12,152,000	13,376,000	12,158,000	10,702,000	8,196,000	500,279	120,022	12,004	4,256,091	66,238,396
Quarter dollars	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	1,728,000	122,396,001
Dimes	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	13,510,000	377,530,000
Minor:											
5-cent pieces	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	----------	354,070,000
1-cent pieces	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	58,860,000	1,417,915,000
Total	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	78,354,091	2,338,149,397
DENVER											
Silver:											
Half dollars	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	5,355,204	71,719,643
Quarter dollars	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	2,648,800	131,284,000
Dimes	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	9,770,000	498,513,500
Minor:											
5-cent pieces	63,902,000	38,820,000	----------	30,442,000	29,519,000	41,980,000	52,438,200	20,868,000	53,215,000	20,645,000	351,829,200
1-cent pieces	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	133,555,000	2,177,344,000
Total	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	171,974,004	3,230,690,343
ALL MINTS											
Silver:											
Half dollars	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	16,118,222	360,948,587
Quarter dollars	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	15,938,994	872,116,018
Dimes	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	28,582,573	2,369,891,153
Minor:											
5-cent pieces	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	70,976,554	2,047,826,132
1-cent pieces	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	365,655,416	10,646,394,358
Grand total pieces	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	497,271,759	16,297,176,248

United States coinage during the past 10 fiscal years—by denomination and face value (cents rounded to nearest dollar)

Mint and denomination	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Total
PHILADELPHIA											
Silver:											
Half dollars	$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	$3,253,464	$111,495,275
Quarter dollars	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	2,890,548	154,609,004
Dimes	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	530,257	149,384,765
Minor:											
5-cent pieces	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	2,516,578	67,096,347
1-cent pieces	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	1,732,404	70,511,352
Total	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	10,923,251	553,096,743
SAN FRANCISCO											
Silver:											
Half dollars	2,383,000	6,076,000	6,688,000	6,079,000	5,351,000	4,098,000	250,139	60,011	6,002	2,128,046	33,119,199
Quarter dollars	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	432,000	30,599,000
Dimes	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	1,351,000	37,753,000
Minor:											
5-cent pieces	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	----------	17,703,500
1-cent pieces	968,100	1,471,700	711,700	4,184,900	831,600	1,354,700	2,323,000	1,189,000	555,850	588,600	14,179,150
Total	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	4,499,646	133,353,849
DENVER											
Silver:											
Half dollars	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	2,677,602	35,859,823
Quarter dollars	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	662,200	32,821,000
Dimes	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	977,000	49,851,350
Minor:											
5-cent pieces	3,195,100	1,941,000	----------	1,522,100	1,475,950	2,099,000	2,621,910	1,043,400	2,660,750	1,032,250	17,591,460
1-cent pieces	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	1,335,550	21,773,440
Total	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	6,684,602	157,897,073
ALL MINTS											
Silver:											
Half dollars	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	8,059,111	180,474,295
Quarter dollars	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	3,984,749	218,029,005
Dimes	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	2,858,257	236,989,115
Minor:											
5-cent pieces	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	3,548,828	102,391,307
1-cent pieces	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	3,656,554	106,463,953
Grand total amount	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	22,107,499	844,347,675

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	*Thousandths*	*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		
Do	June 28, 1834	258	899.225	57,683,485	576,834,850.00
Do	Jan. 18, 1837	258	900		
Do	Feb. 12, 1873	258	900		
Half eagle ($5)	Apr. 2, 1792	135	916⅔		
Do	June 28, 1834	129	899.225	78,911,869	394,559,345.00
Do	Jan. 18, 1837	129	900		
Do	Feb. 12, 1873	129	900		
Quarter eagle ($2.50)[2]	Apr. 2, 1792	67.5	916⅔		
Do[2]	June 28, 1834	64.5	899.225	20,216,590	50,541,475.00
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[3]	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, 1949	
		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	855,611,127	[3] $855,611,127.00
Do. [2]	July 14, 1890	412½	900		
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	887,695,626	443,847,813.00
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	$36,087,235	
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, 1949	
		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	2,097,016	1,048,508.00
Quarter dollar	Apr. 2, 1792	104	892.4		
Do	Jan. 18, 1837	103⅛	900	1,741,681,869	435,420,467.25
Do	Feb. 21, 1853	96	900		
Do	Feb. 12, 1873	[8] 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	[9] 77.16	900	1,355,000	271,000.00
Dime	Apr. 2, 1792	41.6	892.4		
Do	Jan. 18, 1837	41¼	900	4,222,183,945	422,218,394.50
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		
Do.[10]	Jan. 18, 1837	20⅝	900	97,604,388	4,880,219.40
Do.[10]	Feb. 21, 1853	19.2	900		
3 cents [10]	Mar. 3, 1851	12¾	750		
Do.[10]	Mar. 3, 1853	11.52	900	42,736,240	1,282,087.20
Total silver				7,899,005,603	2,206,597,781.60

[8] 6¼ grams, or 96.45 grains.
[7] Discontinued by act of May 2, 1878.
[9] 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, 1949	
		Grains		*Pieces*	*Face amount*
5 cents (nickel)	May 16, 1866	77.16		3,356,214,532	$167,810,726.60
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		12,026,061,098	120,260,610.98
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				22,890,795,882	398,997,155.31
Grand total gold, silver, and minor				31,141,346,843	7,131,813,417.41

[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.

Estimated stock of coins in the United States on June 30, 1950

Item	Silver coin	Minor coin	Total coin
Stock in the United States on July 1, 1949	$1,482,313,062	$371,955,700	$1,854,268,762
Coinage executed fiscal year 1950	14,902,117	7,205,382	22,107,499
Exports of United States coin fiscal year 1950 (net) [1]	+86,346	+1,578	+87,924
Coin withdrawn from monetary use fiscal year 1950	3,046,067	698,260	3,744,327
Coin used in industrial arts, general disappearance, etc., fiscal year 1950 [2]	100,000	1,200	101,200
Stock in the United States on June 30, 1950	1,494,155,458	378,463,200	1,872,618,658

[1] Partly estimated. [2] Estimated.

Minor coins outstanding on June 30, 1950[1]

Denomination and composition [2]	Total coined	Total withdrawn from monetary use [3]	Total outstanding [4]
Half cents, copper [5]	$39,909.11	$3.77	$39,905.34
Cents:			
Copper	1,562,887.44	383,847.82	1,179,039.62
Nickel-copper	2,007,720.00	809,581.36	1,198,138.64
Bronze and copper-zinc	173,584,975.14	2,693,727.07	170,891,248.07
Zinc-coated steel	10,938,398.70	528,887.70	10,409,499.00
2 cents, bronze	912,020.00	344,264.90	567,755.10
3 cents, nickel-copper	941,349.48	288,116.22	653,233.26
5 cents:			
Nickel-copper	168,152,304.30	13,257,672.20	154,894,632.10
Copper-silver-manganese	43,496,185.00	145,234.50	43,350,950.50
Total	401,635,737.17	18,451,335.54	383,184,401.63

[1] Will not agree with figures in table, stock of (minor) coins in the United States. (See Bases Used for Mint Service Statistics.)
[2] See table, Authority for United States coinage, for weights and proportions of metals.
[3] Consists only of worn and mutilated coins unfit for circulation, returned to the mints and melted.
[4] Represents total coinage minus worn and mutilated coins returned to the mints and melted.
[5] There is no record of the earlier melting of copper half cents, but it is believed that few, if any, are now in circulation.

Estimated stock of coins in the United States on Dec. 31, 1949

Item	Silver coin	Minor coin	Total coin
Stock in the United States on Jan. 1, 1949	$1,470,479,576	$367,002,870	$1,837,482,446
Coinage executed calendar year 1949	18,650,806	9,695,275	28,346,081
Exports of United States coin calendar year 1949 (net) [1]	+29,259	+160,421	+189,680
Coin withdrawn from monetary use calendar year 1949	2,610,859	553,852	3,164,711
Coin used in industrial arts, general disappearance, etc., calendar year 1949 [2]	100,000	1,200	101,200
Stock in the United States on Dec. 31, 1949	1,486,448,782	376,303,514	1,862,752,296

[1] Partly estimated. [2] Estimated.

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

[Corrected table: Coinage for Venezuela during fiscal year 1949 was executed at San Francisco instead of Denver]

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	916⅔ 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	16,010,000	2,410,000	76,370,000

Coinage by the United States mints for other countries during the calendar 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	20,250,000	3,200,000	6,550,000	30,000,000
Cuba:						
20 centavos	900 silver, 100 copper	77.16	13,170,000			13,170,000
10 centavos	do	38.58	9,880,000			9,880,000
Total			23,050,000			23,050,000
Dominican Republic:						
1 centavo	95 copper, 5 zinc and tin.	48	3,000,000			3,000,000
Ethiopia:						
10 cents	95 copper, 5 zinc	94	16,000,000			16,000,000
5 cents	do	62	16,000,000			16,000,000
Total			32,000,000			32,000,000
Haiti:						
10 centimes	75 copper, 25 nickel	61.73	5,000,000			5,000,000
5 centimes	do	42.44	10,000,000			10,000,000
Total			15,000,000			15,000,000
Honduras:						
5 centavos	75 copper, 25 nickel	77.16	2,000,000			2,000,000
2 centavos	95 copper, 5 zinc and tin.	46.30	3,000,000			3,000,000
1 centavo	do	30.86	4,000,000			4,000,000
Total			9,000,000			9,000,000
Mexico: 1 peso	902.7 silver, 97.3 copper.	417.81		2,000,000		2,000,000
Saudi Arabia: 1 riyal	916⅔ silver, 83⅓ copper.	180	10,000,000			10,000,000
Venezuela:						
¼ bolivar	835 silver, 165 copper	19.29		8,637,944		8,637,944
12½ centimos	75 copper, 25 nickel	77.16		6,000,000		6,000,000
5 centimos	do	38.58		18,000,000		18,000,000
Total				32,637,944		32,637,944
Grand total			112,300,000	37,637,944	6,550,000	156,687,944

Summary of foreign coinage by United States mints, by year, through Dec. 31, 1949

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	26,900,000
1909	11,298,981	1938	48,579,644
1910	7,153,818	1939	15,725,009
1911	7,794,406	1940	33,170,000
1912	6,244,348	1941	208,603,500
1913	7,309,258	1942	207,737,000
1914	17,335,005	1943	186,632,000
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	1949	156,667,944
1921	55,094,352		
1922	7,863,030	Total	[1] 5,416,787,676

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

Summary of foreign coinage by United States mints, by countries, through Dec. 31, 1949

Country	Number of pieces produced	Country	Number of pieces produced
Argentina	64,058,334	Honduras	31,400,000
Australia	168,000,000	Indo China	135,270,000
Belgian Congo	25,000,000	Liberia	1,312,500
Belgium	25,000,000	Mexico	91,076,840
Bolivia	30,000,000	Netherlands	562,500,000
China	39,720,096	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	334,609,888	Peru	136,045,660
Curacao	12,000,000	Philippines	897,782,332
Dominican Republic	26,917,803	Poland	6,000,000
Ecuador	214,451,060	Saudi-Arabia	124,712,574
El Salvador	79,695,351	Siam	20,000,000
Ethiopia	170,433,730	Surinam	21,195,000
Fiji	4,800,000	Syria	7,000,000
France	50,000,000	Venezuela	207,262,944
Greenland	100,000		
Guatemala	7,835,000	Total (36 countries)	5,416,787,676
Haiti	15,000,000		
Hawaii (prior to United States accession)	1,950,000		

Price of silver in London 1949–50 [1]

Year and 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		
1949	*Pence*	*Pence*	*Pence*	*Dollars*	*Dollars*
January	42½	42½	42.5000	4.0313	0.71388
February	43½	42½	43.0000	4.0313	.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
July	43½	43½	43.5000	4.0298	.73040
August	44½	43½	43.7273	4.0289	.73405
September	64	44½	52.2976	3.4436	.75039
October	64	63¼	63.8869	2.8009	.74550
November	64	64	64.0000	2.8008	.74688
December	64	64	64.0000	2.8007	.74685
Average			49.2427	3.6872	.75622
1950 [4]					
January	64	64	64.0000	2.8007	.74685
February	64	64	64.0000	2.8007	.74685
March	64	63	63.9565	2.8007	.74635
April	63	63	63.0000	2.8007	.73518
May	63½	63	63.4091	2.8007	.73996
June	63½	63½	63.5000	2.8007	.74102

[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 1950, 59.4396 pence, United States equivalent $0.74253.

Price of silver in New York, 1947–50

Month	New York price per ounce 0.999 fine											
	1947			1948			1949			1950		
	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	0.83750	0.70750	0.76500	0.74625	0.74625	0.74625	0.70000	0.70000	0.70000	0.73250	0.73250	0.73250
February	.80250	.70750	.72329	.74625	.74625	.74625	.71500	.70000	.70803	.73250	.73250	.73250
March	.86250	.70875	.77339	.74625	.74625	.74625	.71500	.71500	.71500	.73250	.71750	.73098
April	.76000	.73750	.75653	.74625	.74625	.74625	.71500	.71500	.71500	.71750	.71750	.71750
May	.73750	.70750	.72512	.74625	.74625	.74625	.71500	.71500	.71500	.72750	.71750	.72614
June	.70750	.59750	.66810	.74625	.74625	.74625	.71500	.71500	.71500	.72750	.72750	.72750
July	.64750	.61750	.63568	.74625	.74625	.74625	.71750	.71750	.71750	-------	-------	-------
August	.69750	.61750	.65655	.74625	.72750	.73835	.73000	.71500	.71891	-------	-------	-------
September	.71375	.68750	.70601	.76500	.74750	.75345	.73250	.73000	.73214	-------	-------	-------
October	.74500	.71375	.71625	.77500	.74750	.77213	.73250	.73250	.73250	-------	-------	-------
November	.74625	.74625	.74625	.74750	.70000	.73566	.73250	.73250	.73250	-------	-------	-------
December	.74625	.74625	.74625	.70000	.70000	.70000	.73250	.73250	.73250	-------	-------	-------
Average [1]	-------	-------	.71820	-------	-------	.74361	-------	-------	.71930	-------	-------	-------

[1] Averages shown on table are for calendar years.
On a Government fiscal year basis averages are as follows:
Fiscal year 1947, $0.81538.
Fiscal year 1948, $0.72371.
Fiscal year 1949, $0.72616.
Fiscal year 1950, $0.72756.

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	1.12067
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	.67984
1885	1.09500	1.02750	1.06428	1923	.69000	.62875	.65289
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	.39645
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	1949	.73250	.70000	.71930

[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	1906	$0.52353	1928	$0.45237
1838	1.008	1861	1.031	1884	.85904	1907	.51164	1929	.41229
1839	1.023	1862	1.041	1885	.82379	1908	.41371	1930	.29751
1840	1.023	1863	1.040	1886	.76931	1909	.40231	1931	.22440
1841	1.018	1864	1.040	1887	.75755	1910	.41825	1932	.21814
1842	1.007	1865	1.035	1888	.72683	1911	.41709	1933	.27068
1843	1.003	1866	1.036	1889	.72325	1912	.47543	1934	.37344
1844	1.008	1867	1.027	1890	.80927	1913	.46760	1935	.49950
1845	1.004	1868	1.025	1891	.76416	1914	.42780	1936	.35113
1846	1.005	1869	1.024	1892	.67401	1915	.40135	1937	.34956
1847	1.011	1870	1.027	1893	.60351	1916	.53094	1938	.33673
1848	1.008	1871	1.025	1894	.49097	1917	.69242	1939	.30470
1849	1.013	1872	1.022	1895	.50587	1918	.76142	1940	.27136
1850	1.018	1873	1.00368	1896	.52257	1919	.86692	1941	.27144
1851	1.034	1874	.98909	1897	.46745	1920	.79844	1942	.29889
1852	1.025	1875	.96086	1898	.45640	1921	.48801	1943	.34853
1853	1.042	1876	.90039	1899	.46525	1922	.52543	1944	.34853
1854	1.042	1877	.92958	1900	.47958	1923	.50458	1945	.40163
1855	1.039	1878	.89222	1901	.46093	1924	.51906	1946	.61992
1856	1.039	1879	.86928	1902	.40835	1925	.53681	1947	.55548
1857	1.046	1880	.88564	1903	.41960	1926	.48284	1948	.57514
1858	1.039	1881	.87575	1904	.44763	1927	.43838	1949	.55689
1859	1.052	1882	.87833	1905	.47200				

[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	1906	30.54	1928	35.34
1838	15.85	1861	15.50	1884	18.61	1907	31.24	1929	38.78
1839	15.62	1862	15.35	1885	19.41	1908	38.64	1930	53.74
1840	15.62	1863	15.37	1886	20.78	1909	39.74	1931	71.25
1841	15.70	1864	15.37	1887	21.10	1910	38.22	1932	73.29
1842	15.87	1865	15.44	1888	22.00	1911	38.33	1933	59.06
1843	15.93	1866	15.43	1889	22.10	1912	33.62	1934	72.49
1844	15.85	1867	15.57	1890	19.75	1913	34.19	1935	64.19
1845	15.92	1868	15.59	1891	20.92	1914	37.37	1936	77.09
1846	15.90	1869	15.60	1892	23.72	1915	40.48	1937	77.44
1847	15.80	1870	15.57	1893	26.49	1916	30.78	1938	80.39
1848	15.85	1871	15.57	1894	32.56	1917	24.61	1939	88.84
1849	15.78	1872	15.63	1895	31.60	1918	21.00	1940	99.76
1850	15.70	1873	15.93	1896	30.59	1919	18.44	1941	99.73
1851	15.46	1874	16.16	1897	34.20	1920	20.28	1942	90.57
1852	15.59	1875	16.64	1898	35.03	1921	32.76	1943	77.67
1853	15.33	1876	17.75	1899	34.36	1922	30.43	1944	77.67
1854	15.33	1877	17.20	1900	33.33	1923	31.69	1945	67.40
1855	15.38	1878	17.92	1901	34.68	1924	30.80	1946	43.67
1856	15.38	1879	18.39	1902	39.15	1925	29.78	1947	48.73
1857	15.27	1880	18.05	1903	38.10	1926	33.11	1948	47.07
1858	15.38	1881	18.25	1904	35.70	1927	36.47	1949	48.61
1859	15.19	1882	18.20	1905	33.87				

[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 1950 [1]

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion	$79,000	$33,197,384	----------	$24,612,022
Refined bullion	67,120,570	701,156,883	$846,350	37,845,462
United States coin	269	----------	507,655	1,785,356
Foreign coin	4,223,525	883	15,294,522	8,732,009
Total	71,423,364	734,355,150	16,648,527	72,974,849

[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 1949 [1]

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion	$97,070	$36,160,075	----------	$22,566,164
Refined bullion	80,644,060	735,209,711	$2,180,010	45,656,380
United States coin	269	6,500	1,142,405	1,292,798
Foreign coin	4,194,279	13,975	19,958,628	4,020,352
Total	84,935,678	771,390,261	23,281,043	73,535,694

[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.

Tables include the following:

1. Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949.
2. Coinage of nations during the year ended December 31, 1949.
3. Mints of the world in operation during the year ended December 31, 1949.
4. Coins withdrawn from active circulation in various countries of the world during the year ended December 31, 1949.
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, 1949.
6. Estimated quantity of gold and silver used in the industrial arts in various countries of the world during the year ended December 31, 1949.
7. Characteristics of coins in circulation at end of December 1949.
8. World production of gold, 1944–49, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of Interior).
9. World production of silver, 1944–49, 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, 1948 (part).

912795—51——6

Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949 (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 1949, $0.7325 per ounce 999/1000 fine]

Country	Monetary unit	Exchange rate—average for December 1949 (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	701,807	$24,563,253	$2,097,678	$333,278	$1,153,171	$3,584,127
Afghanistan	Afghani	.05952	[1] 1,143	[1] 40,000	7,611			7,611
Algeria and Tunisia	Franc	.00286	168	5,892				
Australia [2]	Pound	3.21220	2,517	88,102	5,685	13,169	83,128	101,982
Austria	Schilling	.07027	1,456	50,944				
Belgian Congo	Franc	.02000	637	22,295			357	357
Belgium	do	.02000	19,997	699,880	3,702	4,155	17,005	24,862
Bolivia	Boliviano	.02381	[3] 686	[3] 24,003	4	52		56
Brazil	Cruzeiro	.05441	9,053	316,843				
British East Africa	Shilling	.14003				2,760	18,292	21,052
British Guiana	Dollar	.58348				278	1,274	1,552
British Honduras	do	.70017					105	105
British Malaya	do	.32675				108	7,917	8,025
British West Indies:								
Barbados	do	.58348					258	258
Jamaica	Pound	2.80070					[4] 930	[4] 930
Trinidad and Tobago	Dollar	.58348				86	314	400
Canada	do	.90909	14,223	497,810	672	130	61,574	62,376
Chile	Peso	.03226	1,141	39,933				
Colombia	do	.51282	1,474	51,590			10,220	10,220
Costa Rica	Colon	.17857	58	2,029				
Cuba	Peso	1.00000	8,535	298,719		[5] 85,146	[5] 8,322	[5] 93,468
Cyprus	Pound	2.80070					1,148	1,148
Denmark	Krone	.14494	900	31,508				
Dominican Republic	Peso or dollar	1.00000	115	4,030		[5] 1	[5] 1,349	[5] 1,350
Ecuador	Sucre	.07407	590	20,641	198	879	1,134	2,211
Egypt and Anglo-Egyptian Sudan	Pound	2.87470	1,525	53,361			[1] 16,880	[1] 16,880
El Salvador	Colon	.40000	494	17,281		[5] 171	[5] 1,149	[5] 1,320

Ethiopia	Dollar	.40323	72	2,513	3,734		10,150	13,884
Fiji	Pound	2.52315				74	570	644
Finland	Markka	.00437	173	6,053				
France	Franc	(free) .00286	[1] 15,543	[1] 544,000	3,175			3,175
Germany	Reichsmark				1,535	4,101		5,636
Greece	Drachma	.00020	183	6,390				
Guatemala	Quetzal	1.00000	778	27,229	1	28	3,157	3,186
Haiti	Gourde	.20000	76	2,649		[3] 30	[3] 20	[3] 50
Honduras	Lempira	.50000	2	64		[3] 4,600	[3] 8,004	[3] 12,604
Hungary	Florin or forint	.08584	1,169	40,913			[4]	[4]
Iceland	Krona	.01732	29	1,016				
India	Rupee	.20870	7,066	247,298	[5]	[5]	[5]	[5]
Indonesia [1]	Guilder or florin	.26350	5,081	178,000	147	8,668	48,004	56,819
Iran [7]	Rial	.03125	3,980	139,295	3,378	801	5,550	9,729
Iraq	Dinar	2.80000				439	2,533	2,972
Ireland	Pound	2.80125	499	17,448		410	7,241	7,651
Italy	Lira	.00160	7,371	258,001	16,649	3,142		19,791
Japan	Yen	.00278	[3] 110	[3] 3,846	[3] 5,080			[3] 5,080
Lebanon	Pound	.45631	554	19,391			324	324
Liberia	Dollar	1.00000					[3] 2,000	[3] 2,000
Luxembourg	Franc	.02000	78	2,735		44	296	340
Mexico	Peso	.11572	1,490	52,165	26,995	5,107	22,854	54,956
Morocco	Franc	.00286	306	10,716	164			164
Netherlands	Guilder or florin	.26289	5,605	-196,177	11,171	5,966	32,025	49,162
Netherlands Guiana (Surinam)	do	.53026	40	1,414	1	1,378	1,202	2,581
Netherlands West Indies	do	.53026	560	19,589		272	775	1,047
New Zealand	Pound	2.77290	763	26,688		344	13,271	13,615
Nicaragua	Cordoba	.20000	79	2,757		27	76	103
Norway	Krone	.14015	1,469	51,409				
Pakistan	Rupee	.30303	776	27,175				
Panama	Balboa	1.00000	[10]	10		[3] 244	[3] 1,000	[3] 1,244
Paraguay	Guarani	.32690	6	194				
Peru	Sol	.06165	801	28,038		1	1	2
Philippines	Peso	.49687	39	1,361	13	16,679	33,745	50,437
Portugal	Escudo	.03482	5,078	177,740	127	535	9,817	10,479
Portuguese East Africa (Mozambique)	do	.03465	303	10,593			1,160	1,160
Sarawak	Dollar	.32667					50	50
Southern Rhodesia [11]	Pound	2.80070					2,038	2,038
Spain	Peseta	.09132	2,440	85,387		45,402		45,402
Sweden	Krona	.19333	1,998	69,931		1,245	39,913	41,158
Switzerland	Franc	.23289	42,973	1,504,044	966	7,220	60,784	68,970
Syria	Pound	.45641	82	2,870			1,141	1,141
Thailand (Siam)	Baht	.08321	3,377	118,184	18	90	1,114	1,222
Turkey	Pound	.35714	4,405	154,182	2,111	5,824	9,078	17,013
Union of South Africa	do	2.78380	3,679	128,771	541	1,100	24,776	26,417
United Kingdom	do	2.80070	[12]	[12]	[6]	[13] 14,564	[13] 403,301	[13] 417,865
Uruguay	Peso	.65833	5,093	178,265		11,467	6,703	18,170
Venezuela	Bolivar	.29851	[14] 10,973	[14] 384,066		5,059	38,149	43,208

See footnotes at end of table.

Gold and silver monetary stocks of principal countries of the world at end of calendar year 1949 (subject to revision)—Continued

Country	Monetary unit	Exchange rate—average for December 1949 (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 [15]			52,959	$1,853,357				
Bank for International Settlements			1,955	68,416				
International Monetary Fund			41,447	1,450,633				
Total [16]			1,001,531	35,053,414	$2,238,821	$585,074	$2,175,349	$4,999,244

[1] Approximate.
[2] January 1949.
[3] Includes holdings of commercial and development banks which are partly estimated.
[4] Amount in commercial banks. Amount in circulation not available.
[5] Includes United States silver subsidiary coin which also circulates.
[6] Data not available.
[7] March 1949.
[8] In addition, the Allied Occupation Forces held in custody 3,552,000 fine ounces of gold valued at $124,327,000, of which 1,075,000 fine ounces valued at $37,627,000 were earmarked for governments other than Japan (included in total).
[9] In addition, the Allied Occupation Forces held in custody 64,845,000 fine ounces of silver valued at $47,465,000 (included in total).
[10] Unrounded ounces, 285.
[11] Southern Rhodesia coins also circulate in Northern Rhodesia and Nyasaland.
[12] Gold holdings included under "Other countries."
[13] Includes cupro-nickel coins which were first minted during the latter part of 1946, and first issued on Jan. 2, 1947.
[14] Includes gold holdings of commercial banks.
[15] Includes gold holdings (partly estimated) for Argentina, Bulgaria, Czechoslovakia, Poland, Tangier, Rumania, United Kingdom, Yugoslavia, and gold not yet delivered by the Tripartite Commission for Restitution of Monetary Gold.
[16] No estimates included for countries not specified.

Coinage of nations during the year ended Dec. 31, 1949

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

[See also tables "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	13,514,612	6,757,306.00	dollars	900 silver, 100 copper.
	Quarter dollar	19,380,400	4,845,100.00	dollars	Do.
	Dime	70,484,000	7,048,400.00	dollars	Do.
	5 cents	106,866,000	5,343,300.00	dollars	75 copper, 25 nickel.
	1 cent	435,197,500	4,351,975.00	dollars	95 copper, 5 zinc and tin.
Total		645,442,512	28,346,081.00	dollars	
Algeria	50 francs	1,329,500	66,475,000.00	francs	Cupro-nickel.
	20 francs	17,731,200	354,624,000.00	francs	Do.
Total		19,060,700	421,099,000.00	francs	
Austria	1 shilling	3,889,000	3,889,000.00	schillings	98.5 aluminum, 1.5 manganese.
	50 groschen	3,813,000	1,906,500.00	schillings	Do.
	10 groschen	58,181,000	5,818,100.00	schillings	Zinc.
	5 groschen	6,719,000	335,950.00	schillings	Do.
	1 groschen	7,712,000	77,120.00	schillings	Do.
	Maria-Theresia Taler.	3,296	(Trade coin)		Silver, 833⅓ fine.
Total		80,317,296	12,026,670.00	schillings	(excluding trade coins).
Belgium	100 francs	2,377,000	237,700,000.00	francs	835 silver, 165 copper.
	50 francs	2,894,000	144,700,000.00	francs	Do.
	20 francs	10,145,000	202,900,000.00	francs	Do.
	5 francs	67,552,000	337,760,000.00	francs	75 copper, 25 nickel.
Total		82,968,000	923,060,000.00	francs	
Bolivia	50 centavos	677,275	338,637.50	bolivianos	95 copper, 5 zinc.
Brazil	2 cruzeiros	5,626,000	11,252,000.00	cruzeiros	90 copper, 8 aluminum, 2 zinc.
	1 cruzeiro	7,889,000	7,889,000.00	cruzeiros	Do.
	50 centavos	5,696,000	2,848,000.00	cruzeiros	Do.
	20 centavos	124,025,000	24,805,000.00	cruzeiros	Do.
	10 centavos	217,630,000	21,763,000.00	cruzeiros	Do.
Total		360,866,000	68,557,000.00	cruzeiros	
British East Africa.	1 shilling	38,318,396	38,318,396.00	shillings	75 copper, 25 nickel.
	50 cents	12,963,750	6,481,875.00	shillings	Do.
	10 cents	4,000,000	400,000.00	shillings	95.5 copper, 3 tin, 1.5 zinc.
	1 cent	4,000,000	40,000.00	shillings	Do.
Total		59,282,146	45,240,271.00	shillings	
British Honduras.	5 cents	40,000	2,000.00	B. H. dollars	79 copper, 20 zinc, 1 nickel.
	1 cent	100,000	1,000.00	B. H. dollars	95.5 copper, 3 tin, 1.5 zinc.
Total		140,000	3,000.00	B. H. dollars	
British West Africa.	1 shilling	70,000,000	3,500,000-0-0	pounds	79 copper, 20 zinc, 1 nickel.
Burma	½ rupee	2,777,521	1,388,760.00	rupees	Nickel.
	¼ rupee	5,024,456	1,256,114.00	rupees	Do.
	2 annas	2,400,000	300,000.00	rupees	75 copper, 25 nickel.
	1 anna	7,050,000	440,625.00	rupees	Do.
Total		17,251,977	3,385,499.00	rupees	
Canada	1 dollar	631,500	631,500.00	dollars	800 silver, 200 copper.
	50 cents	858,991	429,495.50	dollars	Do.
	25 cents	7,988,830	1,997,207.50	dollars	Do.
	10 cents	11,335,652	1,133,565.20	dollars	Do.
	5 cents	13,037,090	651,854.50	dollars	Pure nickel.
	1 cent	33,128,933	331,289.33	dollars	98 copper, 1.5 zinc, 0.5 tin.
Total		66,980,996	5,174,912.03	dollars	

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Cape Verde	1 escudo	500,000	500,000.00	escudos	61 copper, 20 zinc, 19 nickel.
	50 centavos	1,000,000	500,000.00	escudos	Do.
Total		1,500,000	1,000,000.00	escudos	
Chile	1 peso	7,100,000	7,100,000.00	pesos	95.5 copper, 3 tin, 1.5 zinc.
	20 centavos	14,700,000	2,940,000.00	pesos	Do.
Total		21,800,000	10,040,000.00	pesos	
China	1 dollar	43,231,697	43,231,697.00	C. dollars	880 silver, 120 copper.
Colombia	20 centavos	402,500	80,500.00	pesos	500 silver, 400 copper, 50 zinc, 50 nickel.
	10 centavos	5,922,500	592,250.00	pesos	Do.
	5 centavos	2,750,000	137,500.00	pesos	75 copper, 25 nickel.
	2 centavos	1,277,500	25,550.00	pesos	95 copper, 5 nickel.
	1 centavos	4,225,000	42,250.00	pesos	Do.
Total		14,577,500	878,050.00	pesos	
Costa Rica	1 colon	1,050,000	1,050,000.00	centimos	75 copper, 25 nickel.
	50 centimos	3,600,000	1,800,000.00	centimos	Do.
	25 centimos	8,800,000	2,200,000.00	centimos	95 copper, 4 zinc, 1 tin.
	10 centimos	290,000	29,000.00	centimos	Do.
Total		13,740,000	5,079,000.00	centimos	
Cuba	20 centavos	13,170,000	2,634,000.00	pesos	900 silver, 100 copper.
	10 centavos	9,880,000	988,000.00	pesos	Do.
Total		23,050,000	3,622,000.00	pesos	
Cyprus	2 shillings	720,000	72,000-0-0	pounds	75 copper, 25 nickel.
	1 shilling	1,440,000	72,000-0-0	pounds	Do.
	1 piastre	1,080,000	6,000-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	½ piastre	1,080,000	3,000-0-0	pounds	Do.
Total		4,320,000	153,000-0-0	pounds	
Denmark	2 kroner	493,501	987,002.00	kroner	92 copper, 6 aluminum, 42 nickel.
	1 krone	1,285,103	1,285,103.00	kroner	Do.
	25 øre	8,296,538	2,074,134.50	kroner	75 copper, 25 nickel.
	10 øre	6,867,649	686,764.90	kroner	Do.
	2 øre	1,350,758	27,015.16	kroner	Zinc.
	1 øre	1,271,268	12,712.68	kroner	Do.
Total		19,564,817	5,072,732.24	kroner	
Dominican Republic	1 cent	3,000,000	30,000.00	R. D. dollars	95 copper, 5 zinc, and tin.
Ethiopia	10 cents	16,000,000	1,600,000.00	E. dollars	95 copper, 5 zinc.
	5 cents	16,000,000	800,000.00	E. dollars	Do.
Total		32,000,000	2,400,000.00	E. dollars	
Fiji	Penny	120,000	500-0-0	pounds	75 copper, 25 nickel.
	Halfpenny	96,000	200-0-0	pounds	Do.
Total		216,000	700-0-0	pounds	
Finland	5 markkaa	11,014,000	55,070,000.00	markkaa	72 copper, 26 zinc, 2 aluminum.
	1 markka	17,358,000	17,358,000.00	markkaa	Iron.
Total		28,372,000	72,428,000.00	markkaa	

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
France	10 francs	141,314,500	1,413,145,000.00	francs	75 copper, 25 nickel.
	5 francs	251,665,600	1,258,328,000.00	francs	Aluminum.
	2 francs	37,638,500	75,277,000.00	francs	Do.
	1 franc	76,930,000	76,930,000.00	francs	Do.
Total		507,548,600	2,823,680,000.00	francs	
French Cameroun.	2 francs	5,000,000	10,000,000.00	francs	Do.
	1 franc	8,000,000	8,000,000.00	francs	Do.
Total		13,000,000	18,000,000.00	francs	
French Equatorial Africa.	2 francs	5,040,000	10,080,000.00	francs	Do.
	1 franc	12,706,000	12,706,000.00	francs	Do.
Total		17,746,000	22,786,000.00	francs	
Germany	10 pfennig	359,409,112	35,940,911.20	deutsche-mark.	Iron kernel with tombak plating on both sides.
	5 pfennig	148,120,000	7,406,000.00	deutsche-mark.	Do.
	1 pfennig	402,997,362	4,029,973.62	deutsche-mark.	Iron kernel with copper plating on both sides.
Total		910,526,474	47,376,884.82	deutsche-mark.	
Greenland	1 krone	34,982	34,982.00	kroner	92 copper, 6 aluminum, 2 nickel.
	50 ører	26,837	13,418.50	kroner	Do.
	25 ører	45,365	11,341.25	kroner	75 copper, 25 nickel.
Total		107,184	59,741.75	kroner	
Guatemala	25 centavos	25,020	6,255.00	quetzales	720 silver, 280 copper.
	10 centavos	425,381	42,538.10	quetzales	Do.
	5 centavos	855,911	42,795.55	quetzales	Do.
	1 centavo	2,113,047	21,130.47	quetzales	70 copper, 30 zinc.
Total		3,419,359	112,719.12	quetzales	
Haiti	10 centimes	5,000,000	500,000.00	francs	75 copper, 25 nickel.
	5 centimes	10,000,000	500,000.00	francs	Do.
Total		15,000,000	1,000,000.00	francs	
Honduras	5 centavos	2,000,000	100,000.00	lempiras	Do.
	2 centavos	3,000,000	60,000.00	lempiras	95 copper, 5 zinc and tin.
	1 centavo	4,000,000	40,000.00	lempiras	Do.
Total		9,000,000	200,000.00	lempiras	
Hong Kong	10 cents	33,250,000	3,325,000.00	H. K. dollars.	79 copper, 20 zinc, 1 nickel.
	5 cents	14,600,000	730,000.00	H. K. dollars.	Do.
Total		47,850,000	4,055,000.00	H. K. dollars.	
India [1]	1 rupee	36,156,000	36,156,000-0-0	rupees	Pure nickel.
	½ rupee	24,220,000	12,110,000-0-0	rupees	Do.
	¼ rupee	30,600,000	7,650,000-0-0	rupees	Do.
	2 annas	29,664,000	3,708,000-0-0	rupees	75 copper, 25 nickel.
	1 anna	42,352,000	2,647,000-0-0	rupees	Do.
	½ anna	49,312,000	1,541,000-0-0	rupees	Do.
	Single pice	92,224,000	1,441,000-0-0	rupees	97 copper, 2.5 zinc, 0.5 tin.
Total [1]		304,528,000	65,253,000-0-0	rupees	

See footnote at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Iran[1](year ending Mar. 21, 1949).	1 pahlavi [2]	20,000	2,671,309.00	rials	900 gold, 100 silver or copper.
	½ pahlavi [2]	36,000	9,616,714.00	rials	Do.
	5 rials	836,000	4,180,000.00	rials	600 silver, 400 copper.
	2 rials	3,140,000	6,280,000.00	rials	Do.
	1 rial	5,795,000	5,795,000.00	rials	Do.
Total		9,827,000	28,543,023.00	rials	
Ireland	Sixpence	600,000	15,000-0-0	pounds	75 copper, 25 nickel.
	Threepence	1,200,000	15,000-0-0	pounds	Do.
	Penny	4,080,000	17,000-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	1,344,000	2,800-0-0	pounds	Do.
	Farthing	192,000	200-0-0	pounds	Do.
Total		7,416,000	50,000-0-0	pounds	
Japan	5 yen	279,940,000	1,399,700,000.00	yen	60-70 copper, 40-30 zinc.
	1 yen	263,903,000	263,903,000.00	yen	Do.
Total		543,843,000	1,663,603,000.00	yen	
Jersey	Penny	240,000	1,000-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
Luxembourg	5 francs	2,000,000	10,000,000.00	francs	75 copper, 25 nickel.
Madagascar	2 francs	172,500	345,000.00	francs	Aluminum.
	1 franc	6,539,000	6,539,000.00	francs	Do.
Total		6,711,500	6,884,000.00	francs	
Malaya	20 cents	5,333,262	1,066,652.00	M. dollars	75 copper, 25 nickel.
	10 cents	20,177,849	2,017,785.00	M. dollars	Do.
	5 cents	8,264,471	413,223.00	M. dollars	Do.
Total		33,775,582	3,497,660.00	M. dollars	
Mauritius	2 cents	250,000	5,000.00	rupees	95.5 copper, 3 tin, 1.5 zinc.
	1 cent	500,000	5,000.00	rupees	Do.
Total		750,000	10,000.00	rupees	
Mexico	1 peso	2,000,000	2,000,000.00	pesos	902.7 silver, 97.3 copper.
	1 peso	4,000,000	4,000,000.00	pesos	500 silver, 400 copper, 60 nickel, 40 zinc.
	1 centavo	62,350	623.50	pesos	95 copper, 4 zinc, 1 tin.
Total		6,062,350	6,000,623.50	pesos	
Muscat	½ thaler	100,000	(Trade coin)		833⅓ silver, 166⅔ copper.
Netherlands	25 cents	27,400,000	6,850,000.00	florin	Pure nickel.
	10 cents	69,200,000	6,920,000.00	florin	Do.
	5 cents	22,000,000	1,100,000.00	florin	95 copper, 4 tin, 1 zinc.
	1 cent	93,000,000	930,000.00	florin	Do.
Total		211,600,000	15,800,000.00	florin	
New Zealand	Half crown	2,800,000	350,000-0-0	pounds	75 copper, 25 nickel.
	Florin	3,500,000	350,000-0-0	pounds	Do.
	Penny	2,016,000	8,400-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	1,766,400	3,680-0-0	pounds	Do.
Total		10,082,400	712,080-0-0	pounds	

See footnote at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Norway	1 krone	6,940,000	6,940,000.00	kronor	75 copper, 25 nickel.
	50 øre	1,580,000	790,000.00	kronor	Do.
	25 øre	2,600,000	650,000.00	kronor	Do.
	10 øre	9,450,000	945,000.00	kronor	Do.
	2 øre	1,455,000	29,100.00	kronor	95 copper, 4 tin, 1 zinc.
	1 øre	3,480,000	34,800.00	kronor	Do.
Total		25,505,000	9,388,900.00	kronor	
Pakistan [1]	1 rupee	36,000,000	36,000,000-0-0	rupees	Pure nickel.
	½ rupee	20,300,000	10,150,000-0-0	rupees	Do.
	¼ rupee	46,000,000	11,500,000-0-0	rupees	Do.
	2 annas	19,716,000	2,464,000-0-0	rupees	75 copper, 25 nickel.
	1 anna	11,136,000	696,000-0-0	rupees	Do.
	½ anna	5,158,715	161,209-13-6	rupees	Do.
	Single pice	14,553,696	227,401-8-0	rupees	97 copper, 2.5 zinc, 0.5 tin.
Total		152,864,411	61,198,611-5-6	rupees	
Peru [2]	1 sol	751,252	751,252.00	soles	70 copper, 30 zinc.
	½ sol	419,669	209,834.50	soles	Do.
	20 centavos	2,709,066	541,813.20	soles	Do.
	10 centavos	4,730,110	473,011.00	soles	Do.
	5 centavos	5,550,307	277,515.35	soles	Do.
	2 centavos	937,625	18,752.50	soles	95 copper, 5 zinc.
	1 centavo	1,104,123	11,041.23	soles	Do.
Total		16,202,152	2,283,219.78	soles	
Portugal	10 escudos	1,452	14,520.00	escudos	835 silver, 165 copper.
	5 escudos	2,164	10,820.00	escudos	650 silver, 350 copper.
	20 centavos	10,760,000	2,152,000.00	escudos	95 copper, 3 zinc, 2 tin.
	10 centavos	15,240,000	1,524,000.00	escudos	Do.
Total		26,003,616	3,701,340.00	escudos	
Portuguese East Africa (Mozambique).	5 escudos	2,000,000	10,000,000.00	escudos	650 silver, 350 copper.
	20 centavos	4,400,000	880,000.00	escudos	95 copper, 3 zinc, 2 tin.
Total		6,400,000	10,880,000.00	escudos	
Portuguese West Africa (Angola).	50 centavos	156,000	78,000.00	angolares	61 copper, 20 zinc, 19 nickel.
	20 centavos	2,150,000	430,000.00	angolares	95 copper, 3 zinc, 2 tin.
	10 centavos	10,000,000	1,000,000.00	angolares	Do.
Total		12,306,000	1,508,000.00	angolares	
Reunion	2 francs	2,000,000	4,000,000.00	francs	Aluminum.
	1 franc	2,285,000	2,285,000.00	francs	Do.
Total		4,285,000	6,285,000.00	francs	
Saudi Arabia	1 riyal	60,000,000	60,000,000.00	riyals	916⅔ silver, 83⅓ copper.
Somalia	5 francs	500,000	2,500,000.00	francs	Aluminum.
	2 francs	200,000	400,000.00	francs	Do.
	1 franc	200,000	200,000.00	francs	Do.
Total		900,000	3,100,000.00	francs	

See footnotes at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Southern Rhodesia.[4]	Half crown	1,600,000	200,000-0-0	pounds	75 copper, 25 nickel.
	Florin	2,000,000	200,000-0-0	pounds	Do.
	Shilling	4,000,000	200,000-0-0	pounds	Do.
	Sixpence	2,000,000	50,000-0-0	pounds	Do.
	Threepence	4,000,000	50,000-0-0	pounds	Do.
	Penny	1,440,000	6,000-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
Total		15,040,000	706,000-0-0	pounds	
Spain	5 pesetas	612,000	3,060,000.00	pesetas	Pure nickel.
	1 peseta	27,600,000	27,600,000.00	pesetas	90 copper, 10 aluminum.
Total		28,212,000	30,660,000.00	pesetas	
Sweden	2 kronor	331,715	663,430.00	kronor	400 silver, 500 copper, 50 nickel, 50 zinc.
	1 krona	7,981,162	7,981,162.00	kronor	Do.
	50 ore	1,883,100	941,550.00	kronor	Do.
	25 ore	5,303,140	1,325,785.00	kronor	Do.
	10 ore	12,044,000	1,204,400.00	kronor	Do.
	5 ore	7,644,040	382,202.00	kronor	Iron.
	2 ore	10,302,500	206,050.00	kronor	Do.
	1 ore	11,778,900	117,789.00	kronor	Do.
Total		57,268,557	12,822,368.00	kronor	
Switzerland	20 francs[5]	10,000,000	200,000,000.00	francs	900 silver, 100 copper.
	5 francs	406,665	2,033,325.00	francs	835 silver, 165 copper.
	10 centimes	2,268,900	226,890.00	francs	75 copper, 25 nickel.
	5 centimes	5,298,700	264,935.00	francs	Do.
	1 centime	10,200,000	102,000.00	francs	95 copper, 4 tin, 1 zinc.
Total		28,174,265	202,627,150.00	francs	
Thailand (Siam)	25 satang	7,472,000	1,868,000.00	baht	90 tin, 10 copper.
	10 satang	6,520,000	652,000.00	baht	Do.
	5 satang	60,000	3,000.00	baht	Do.
Total		14,052,000	2,523,000.00	baht	
Tunisia	Pieces of gold	33			Pieces do not indicate value.
	Pieces of silver	53			
	Pieces of silver	1,103			
Turkey	50 kurus	1,792,000	896,000.00	T. pounds	600 silver, 400 copper.
	25 kurus	21,600,000	5,400,000.00	T. pounds	70 copper, 30 zinc.
	10 kurus	27,000,000	2,700,000.00	T. pounds	Do.
	5 kurus	4,500,000	225,000.00	T. pounds	Do.
	2½ kurus	15,720,000	393,000.00	T. pounds	Do.
	1 kuru	29,530,000	295,300.00	T. pounds	Do.
Total		100,142,000	9,909,300.00	T. pounds	
Union of South Africa.	Crown	537,841	134,460- 5-0	pounds	800 silver, 200 copper.
	Half crown	2,711	338-17-6	pounds	Do.
	Florin	203,953	20,395- 6-0	pounds	Do.
	1 shilling	800	40- 0-0	pounds	Do.
	Sixpence	197,108	4,927-14-0	pounds	Do.
	Threepence	1,904,995	23,812- 8-9	pounds	Do.
	Penny	3,633,591	15,139-19-3	pounds	95 copper, 4.5 zinc, 0.5 tin.
	Halfpenny	1,850,001	3,854- 2-6½	pounds	Do.
	Farthing	3,567,627	3,716- 5-6¾	pounds	Do.
Total		11,898,627	206,684-18-7¼	pounds	

See footnotes at end of table.

Coinage of nations during the year ended Dec. 31, 1949—Continued

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

[See also tables "Characteristics of coins in circulation" for further description]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
United Kingdom	Sovereign	138,000	138,000-0-0	pounds	916⅔ gold, 83⅓ copper.
	Half-crown	28,272,512	3,534,064-0-0	pounds	75 copper, 25 nickel.
	Florin	28,614,939	2,861,494-0-0	pounds	Do.
	Shilling	40,571,479	2,028,573-0-0	pounds	Do.
	Sixpence	41,355,515	1,033,888-0-0	pounds	Do.
	Threepence	464,000	5,800-0-0	pounds	79 copper, 20 zinc, 1 nickel.
	Penny	14,324,400	59,685-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	24,744,000	51,550-0-0	pounds	Do.
	Farthing	8,424,000	8,775-0-0	pounds	Do.
	Maundy money [6]				
	Fourpence	1,503	25-0-0	pounds	925 silver, 75 copper.
	Threepence	1,395	17-0-0	pounds	Do.
	Twopence	1,395	12-0-0	pounds	Do.
	Penny	1,407	6-0-0	pounds	Do.
Total		186,914,545	9,721,889-0-0	pounds	
Uruguay	5 centesimos	2,040,000	102,000.00	pesos	95.5 copper, 3 tin, 1.5 zinc.
	2 centesimos	5,150,000	103,000.00	pesos	Do.
Total		7,190,000	205,000.00	pesos	
Vatican City [7]	100 Vatican lire	1,000	100,000.00	Vatican lire	Gold, 900 fineness.
	10 Vatican lire	60,000	600,000.00	Vatican lire	Aluminum, magnesium, manganese.
	5 Vatican lire	74,000	370,000.00	Vatican lire	Do.
	2 Vatican lire	10,000	20,000.00	Vatican lire	Do.
	1 Vatican lira	10,000	10,000.00	Vatican lire	Do.
Total		155,000	1,100,000.00	Vatican lire	
Venezuela	¼ bolivar	8,637,944	2,159,486.00	bolivares	835 silver, 165 copper.
	12½ centimos	6,000,000	750,000.00	bolivares	75 copper, 25 nickel.
	5 centimos	18,000,000	900,000.00	bolivares	Do.
Total		32,637,944	3,809,486.00	bolivares	

[1] The Indian and Pakistan rupee is divided into 16 annas, the anna into 4 pice, and the pice into 3 pies.

[2] The official value of the pahlavi of Iran equals 267.1 rials in 1949.

[3] The 1-sol and ½-sol denominations of Peru are issued by the Central Reserve Bank; all other denominations are issued by the state.

[4] Southern Rhodesian coins also circulate in Northern Rhodesia and Nyasaland.

[5] The Swiss 20-franc piece does not circulate.

[6] Maundy money does not circulate.

[7] The 100 Vatican lire pieces are not minted for circulation.

Mints of the world in operation during the year ended Dec. 31, 1949

[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	Bogota.
Do	do	Medellin.
Costa Rica	Cuno Nacional	San Jose.
Czechoslovakia	State Mint	Kremnica, Slovakia.
Denmark	Dem Kongeuge Mønt	Kobenhavn.
Finland	Rahapaja Mynverket	Helsinki.
France	Paris Mint	Paris.
Do	Beaumont-le Roger Mint	(Not stated).
Germany	Bayerisches Hauptmunzamt	Munchen.
Do	Wurttembergisches Münzamt	Stuttgart.
Do	Badische Münzerwaltung	Karlsruhe.
Do	Hamburgische Münze	Hamburg-Altona.
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.
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.
Norway	Den kongelige norske mynt	Kongsberg.
Pakistan	Pakistan Government Mint	Baghbanpura, Labore. 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. (Darphane ve Damga Matbaasi).	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, 1949

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

Country	Silver coin	
	Nominal value	Approximate number of fine ounces of silver contained
United States [1]	2,610,858 U.S. dollars	1,773,782
Australia	(2)	(2)
British Malaya	565,502 Malayan dollars	493,011
Canada	103,732 Canadian dollars	66,246
Colombia	369,716 Colombian pesos	277,837
Iraq	37,605 Iraq dinars	108,813
Japan	83,750 Japanese yen	22,513
Mexico	6,106,898 Mexican pesos	1,380,496
Netherlands	5,729 Netherlands florin	1,424
Pakistan	18,775 Pakistan rupees	586
Southern Rhodesia	98,633 Southern Rhodesian pounds	(3)
Sweden	9,619 Swedish krona	1,534
Switzerland	154,000 Swiss francs	2,392
Turkey	5,219,018 Turkish pounds	1,671,241
Union of South Africa	416 South African pounds	1,208
United Kingdom [4]	9,777,214 pounds sterling	17,628,350
Total reported		23,429,433

[1] In addition, U. S. gold coins with a face value of US$111,118.50 were melted during the year, with a recovery of 5,361 fine ounces of gold.
[2] Data for 1949 not available. For 1948, received after last year's publication, there were withdrawn Australian silver coins with a face value of 1,156,789 pounds and an estimated silver content of 3,830,000 fine ounces.
[3] Data not available.
[4] Data for 1948, received after last year's publication, included British silver coins withdrawn with a face value of 571,130 pounds sterling and a silver content of 1,040,313 fine ounces.

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, 1949

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

Country	Gold	Silver
	Fine ounces	*Fine ounces*
United States	149,367	276,460
Canada	16,412	2,651
Colombia	27	----------
Italy	12	----------
Mexico	----------	8,958
Union of South Africa	32	----------

Estimated quantity of gold and silver issued for use or used in the industrial arts in various countries of the world during the year ended Dec. 31, 1949

[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	3,109,785	88,000,000	Mexico	17,749	1,213,665
Algeria	30,209	386,934	Netherlands Guiana (Surinam)	463	711
Australia	[1]	[1]	New Zealand	10,614	[4]
Austria	18,786	199,383	Nicaragua	2,800	1,028
Belgium	22,506	1,929,045	Norway	5,800	
Brazil	96,500	[2] 646,873	Panama (Republic of) [10]	8,208	2
British East Africa	[3] 3,255	[4]	Paraguay	1,286	8,038
British Guiana	4,445		Peru	38,581	1,620,365
Canada	175,000	6,500,000	Portugal	135,717	1,008,367
Colombia	59,400	200,000	Southern Rhodesia	1,000 to 1,500	150 to 200
Cuba	41,903	23,767	Spain	3,537	517,988
Ecuador	45	9,100	Sweden	76,840	
El Salvador	7,827	943	Syria	[4]	23,352
France	225,000 to 257,000	6,430,000 to 8,037,000	Tunisia	17,727	733,228
Germany	15,242	6,012,619	Turkey	625,428	
Guatemala	700	20,000	Union of South Africa	21,628	333,587
Honduras [5]	1,250	12,000	United Kingdom [11]	556,850	11,573,000
Hong Kong	530,004	73,445	Venezuela	91,442	
Israel	[6]	[6]			
Italy	225,055	1,607,537	Total reported	6,291,089 to 6,323,589	130,692,531 to 132,299,531
Japan [7]	43,781	1,607,409			
Lebanon	64,301	[4]			
Luxembourg	[8] 415				
Madagascar	[9] 10				

[1] Data for 1949 not available. For 1948, received after last year's publication—gold, 66,208 fine ounces; and silver, 1,413,111 fine ounces.
[2] Production plus imports.
[3] Amount licensed for import.
[4] Data not available.
[5] Corrected data for the calendar year 1947—gold, 1,485 fine ounces, and silver, 27,585 fine ounces.
[6] Data for 1949 not available. For 1948, received after last year's publication—gold, 25,700 to 27,200 fine ounces; and silver, 51,500 fine ounces.
[7] Amount authorized for industrial use by the Government.
[8] Amount issued for dental use.
[9] Amount sold to jewelers.
[10] Imports during year.
[11] Data for 1948, received after last year's publication—gold, 894,980 fine ounces; and silver, 17,824,203 fine ounces.

NOTE.—Corrected data for the calendar year 1948—Belgium used approximately 500,000 to 600,000 fine ounces of silver in the industrial arts in 1948.

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 1949]

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	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	19.050	1.5748
Do	2.689	Zinc-coated steel	19.050	1.5748

U. S copper-silver-manganese 5-cent piece coined Oct. 1942–Dec. 1945, inclusive.
U. S copper-zinc 1-cent piece coined 1944–46, inclusive.
U. S zinc-coated steel 1-cent piece coined only during calendar year 1943.

AFGHANISTAN

[Coins in active circulation at end of December 1949]

25 puls	7	Cupro-nickel	25	
Do	3	do	20	1.2
20 puls	6	do	26	
10 puls	6	do	24	
Do	5	do	22	
Do	2.5	do	18	1.2
5 puls	3	Copper	22	
Do	3	do	20	
Do	3	do	17	1.8
3 puls	2.5	do	16	1.7
2 puls	2	do	15	1.6

ALGERIA

[Coins in active circulation at end of December 1949]

5 francs	12	91 copper, 9 aluminum; and pure aluminum.	31	2.35
2 francs	8	70 copper, 30 zinc	27	2.10
Do	8	91 copper, 9 aluminum; and pure aluminum.	27	1.90
1 franc	4	do	23	1.50
50 centimes	2	do	18	1.35

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	3⅛	95 copper, 4 tin, 1 zinc	20	1.1
1 centavo	2	do	16	0.9

*Latest available data.

AUSTRALIA

[Coins in active circulation at end of December 1949]

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	925 silver, 75 copper; and 500 silver, 400 copper, 50 nickel, 50 zinc.	28.68	2.14
Shilling	5.6553	do	23.83	1.83
Sixpence	2.8276	do	19.35	1.40
Threepence	1.4138	do	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

Australian silver coins of 500 fineness first issued July 21, 1947; thicknesses vary slightly from coins o 925 fineness.
Australian coins legal tender in Papua, New Guinea, Norfolk Island, and Nauru.
British silver coins of 500 fineness legal tender in Australia; quantity in circulation negligible.

AUSTRIA

[Coins in active circulation at end of December 1949]

2 schilling	2.8	98.5 aluminum, 1.5 manganese	28	2.0
1 schilling	2.0	do	25	1.8
50 groschen	1.4	do	22	1.6
10 groschen	3.5	Zinc	21	1.8
5 groschen	2.5	do	19	1.5
1 groschen	1.8	do	17	1.3
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

Austrian Finance Ministry authorized to coin a bronze-aluminum 20-groschen piece.

BASUTOLAND

[Coins of Union of South Africa circulate in Basutoland]

BECHUANALAND

[Coins of Union of South Africa and Southern Rhodesia circulate in Bechuanaland]

BELGIAN CONGO

[Coins in active circulation at end of December 1949]

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	29½	1.50
2 francs	5	do	22	1.80
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 1949]

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	8	do	27	
Do	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	
Do	6	75 copper, 25 nickel	24	
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	26–4.5	
Do	6.5	64 copper, 20 zinc, 16 nickel	26–3.5	
Do	6.5	Zinc du commerce	26–3.5	
10 centimes	4	75 copper, 25 nickel	22–4	
Do	4	Copper, zinc, 15/100 nickel minimum	22–4	
Do	4	64 copper, 20 zinc, 16 nickel	22–3	
Do	4	Zinc du commerce	22–3	
5 centimes	2.5	75 copper, 25 nickel	19–3.5	
Do	2.5	Copper, zinc, 15/100 nickel minimum	19–3.5	
Do	2.5	64 copper, 20 zinc, 16 nickel	19–2.5	
Do	2.5	Zinc du commerce	19–2.5	
2 centimes	4	Pure copper	21.5	
1 centime	2	do	16.5	

Belgian coins with two diameters are round with round hole in center.

BOLIVIA

[Coins in active circulation at end of December 1949]

50 centavos	5.5	95 copper, 5 zinc	24.0	3.0
20 centavos	3.25	Zinc with impurities	21.2	3.5
10 centavos	1.75	do	17.9	2.5
10 centavos	2.5	75 copper, 25 nickel	20	2.5
5 centavos	5.0	do	25	3.5

Minor number of Bolivian cupro-nickel coins in circulation.

BRAZIL

[Coins in active circulation at end of December 1949]

5 cruzeiros	9	90 copper, 8 aluminum, 2 zinc	27	
2 cruzeiros	8	do	25	2.4
1 cruzeiro	7	do	23	2.4
50 centavos	5	do	21	2.0
20 centavos	4	do	19	2.0
10 centavos	3	do	17	2.0

912795—51——7

BRITISH EAST AFRICA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
1 shilling		250 silver, 700 copper, 50 manganese; and 75 copper, 25 nickel		
50 cents		Silver; and 75 copper, 25 nickel		
10 cents		95.5 copper, 3 tin, 1.5 zinc		
5 cents		do		
1 cent		do		

Silver coins in process of withdrawal in British East Africa.

BRITISH GUIANA

[Coins in active circulation at end of December 1949]

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

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

BRITISH HONDURAS

[Coins in active circulation at end of December 1949]

50 cents	11.6205	Silver, 0.925 fineness		
25 cents	5.8102	do		
10 cents	2.3241	do		
5 cents	2.6287	79 copper, 20 zinc, 1 nickel		
1 cent	5.6700	95.5 copper, 3 tin, 1.5 zinc		

BRITISH MALAYA

[Coins in active circulation at end of December 1949]

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	
Do	5.655	75 copper, 25 nickel	23.5066	
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	
Do	2.827	75 copper, 25 nickel	19.4056	
5 cents	1.357	800 silver	15.6071	
Do	1.357	750 silver	15.6071	
Do	1.357	600 silver	15.6071	
Do	1.357	500 silver	15.6071	
Do	1.357	400 silver	15.6071	
Do	1.413	75 copper, 25 nickel	16.2560	
1 cent	5.832	do		
Do	5.832	95 copper, 4 tin, 1 zinc		
Do	4.212	do		

Malayan coins circulate in the Colony of Singapore including its dependencies, Christmas and Cocos Islands; the Federation of Malaya; Brunei; and the Settlement of Labuan; and since 1945, in the colonies of Borneo and Sarawak.

BRITISH WEST AFRICA

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
Florin	11.31036	79 copper, 20 zinc, 1 nickel		
Shilling	5.65518	do		
Sixpence	2.499	do		
Threepence	5.184	80 copper, 20 nickel		
Penny	9.45	do		
Halfpenny	5.67	do		
Tenthpenny	1.944	do		

Silver coins in process of withdrawal in British West Africa.

BURMA

[Coins of India legal tender in Burma in 1949; distinctive Burmese coins to be issued in 1950]

CANADA

[Coins in active circulation at end of December 1949]

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 1949]

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 (scalloped edge)	4.212	do	(a)	1.372
5 cents (square with round corners).	3.888	75 copper, 25 nickel	(b)	1.626
Do	3.888	79 copper, 20 zinc, 1 nickel	(b)	1.626
Do	3.240	do	(b)	1.473
2 cents (scalloped edge)	2.592	do	(c)	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

[a] Across scallops, 22.860 mm. Insidescallops, 20.955 mm.
[b] Diagonally, 21.463 mm. Across flats, 18.237 mm.
[c] Across scallops, 18.415 mm. Inside scallops, 17.018 mm.

CHILE

[Coins in active circulation at end of December 1949]

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 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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

Colombian silver coins of 900 fineness in process of withdrawal.

COSTA RICA

[Coins in active circulation at end of December 1949]

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 1949]

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

United States coins also circulate in Cuba.

CYPRUS

[Coins in active circulation at end of December 1949]

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 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
100 koruny	14	500 silver, 400 copper, 50 nickel, 50 zinc	31	
50 koruny	10	do	28	
20 koruny	12	700 silver, 300 copper	34	
10 koruny	10	do	30	
2 koruny	6	80 copper, 20 nickel	23.5	
1 koruna	4.5	do	21	
Do	1.3	Aluminum	21	
Do	4.5	Zinc	23	
50 halers	3	92 copper, 8 zinc	20	
20 halers	2	do	18	
10 halers	1.6	do	16	
Do	1.866	Zinc	17	

DENMARK

[Coins in active circulation at end of December 1949]

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	3.6	Zinc	23.0	1.62
10 øre	3.0	75 copper, 25 nickel	18.0	1.75
Do	2.4	Zinc	18.0	1.63
5 øre	7.6	95 copper, 4 tin, 1 zinc	27.0	1.92
Do	2.4	Aluminum	27.0	1.76
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	1.45
Do	3.2	Zinc	21.0	1.47
1 øre	1.9	95 copper, 4 tin, 1 zinc	16.0	1.31
Do	1.6	Zinc	16.0	1.31

DOMINICAN REPUBLIC

[Coins in active circulation at end of December 1949]

1 peso	26.7	900 silver, 100 copper	38.100	2.8956
½ peso	12.5	do	30.607	2.1944
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

United States coins also circulate in the Dominican Republic.

ECUADOR

[Coins in active circulation at end of December 1949]

5 sucres	25	720 silver, 280 copper	37.5	2.93
2 sucres	10	do	28.75	1.95
1 sucre	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

Minor number of Ecuadorian silver coins in circulation.

EGYPT

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

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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	3½	do	20	
¼ millieme	2	do	18	

* Latest available data.

EL SALVADOR

[Coins in active circulation at end of December 1949]

25 centavos	7.5	900 silver, 100 copper	29	
10 centavos	7	75 copper, 25 nickel	26	
5 centavos	5	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	

United States dimes also circulate as 25-centavo denomination in El Salvador.

ERITREA

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

1 shilling		Silver		
50 cents		do		
10 cents		Bronze		
5 cents		do		
1 cent		do		

* Latest available data.

ETHIOPIA

[Coins in active circulation at end of December 1949]

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 1949]

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 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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	72 copper, 26 zinc, 2 aluminum	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 +3.5	
Do	1.125	Iron	16.0 +3.0	
5 penniä	2.500	Pure copper, or; 95 copper, 4 tin, 1 zinc	18.0	
Do	1.275	do	16.0 +3.0	

+ Perforation.

FRANCE

[Coins in active circulation at end of December 1949]

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	

Bronze-aluminum coins being withdrawn from circulation in metropolitan France and progressively placed in circulation in French overseas territories.

FRENCH EQUATORIAL AFRICA

[Coins in active circulation at end of December 1949]

5 francs	12	91 copper, 9 aluminum		
Do	3.5	Aluminum		
2 francs	8	91 copper, 9 aluminum		
Do	2.2	Aluminum		
1 franc	4	91 copper, 9 aluminum		
Do	1.3	Aluminum		
50 centimes	.7	do		

In addition, the cupro-nickel 10 franc piece of metropolitan France circulates in French Equatorial Africa.

GERMANY

[Coins in active circulation at end of December 1949]

10 pfennig	4	Iron kernel with tombac plating	21.5	1.7
5 pfennig	3	do	18.5	1.7
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

GERMANY—Continued

[Coins recalled from circulation Aug. 31, 1948]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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 AND NORTHERN IRELAND

[Coins in active circulation at end of December 1949]

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

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		

GREENLAND

[Coins in active circulation at end of December 1949]

5 kroner	13.25	70 copper, 30 zinc	31	
1 krone	7.5	92 copper, 6 aluminum, 2 nickel	28.2	1.6
50 ører	3.75	do	22	1.9
25 ører	7	75 copper, 25 nickel	25	2

In addition, 1 øre, 2, 5, and 10 ører coins of Denmark circulate in Greenland.

GUATEMALA

[Coins in active circulation at end of December 1949]

25 centavos	8¼	720 silver, 280 copper	27	1.3
10 centavos	3¼	do	21	.8
5 centavos	1¾	do	16	.7
2 centavos	6	70 copper, 30 zinc	25.5	1.6
1 centavo	3	do	21	1.0
½ centavo	1½	do	16	.65

HAITI

[Coins in active circulation at end of December 1949]

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

United States coins also circulate in Haiti.

HONDURAS

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
			Millimeters	*Millimeters*
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	

United States coins also circulate in Honduras.

HUNGARY

[Coins in active circulation at end of December 1949]

20 forints (centenary)	28	500 silver, 500 copper	40	2.33
10 forints (centenary)	20	do	36	2.20
5 forints I	20	835 silver, 165 copper	32	2.30
5 forints II, III	12	500 silver, 500 copper	32	1.55
2 forints	2.8	Aluminum	28	1.79
1 forint	1.5	do	23	1.33
50 fillér	1.4	do	22.5	1.33
20 fillér	4.0	96 copper, 4 aluminum	21	1.30
10 fillér	3.0	do	19	1.38
5 fillér	.6	Aluminum	17.5	1.00
2 fillér	3.0	90 copper, 10 zinc	17	1.55

ICELAND

[Coins in active circulation at end of December 1949]

2 krónur	9.5	92 copper, 6 aluminum, 2 nickel	28	2.0
1 króna	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 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
1 rupee	11.6638	500 silver, 500 copper, zinc and nickel	30.48	
Do	11.6638	Pure nickel	27.94	
½ rupee	5.8319	500 silver, 500 copper, zinc and nickel	24.13	
Do	5.8319	Pure nickel	24.13	
¼ rupee	2.9160	500 silver, 500 copper, zinc and nickel	19.05	
Do	2.9160	916⅔ silver, 83⅓ copper	19.05	
Do	2.9160	Pure nickel	19.05	
4 annas	6.8039	75 copper, 25 nickel	23.5 25.4	
2 annas	.7452	916⅔ silver, 83⅓ copper	15.24	
Do	5.8319	79 copper, 20 zinc, 1 nickel	22.352 25.40	
Do	5.8319	75 copper, 25 nickel	22.352 25.40	
Do. (George V)	5.8319	do	21.01 25.4	
1 anna	3.8879	79 copper, 20 zinc, 1 nickel	21.0058 19.7993	
Do	3.8879	75 copper, 25 nickel	21.0058 19.7993	
½ anna	2.9160	79 copper, 20 zinc, 1 nickel	19.7612 17.3736	
Do	2.9160	75 copper, 25 nickel	19.7612 17.3736	
Single pice	6.4799	Copper	25.4	
Do	4.8599	Bronze alloy	25.4	
Do	1.9440	do	9.4 21.34	
½ pice	3.2399	Copper	21.34	
Do	2.4300	Bronze alloy	21.34	
Pie pieces	2.1599	Copper	17.27	
Do	1.6200	Bronze alloy	17.27	

Coins are round with these exceptions: 4 annas and 1 anna, scalloped; 2 annas and ½ anna, square with round corners; bronze single pice of 1.944 grams, round with round hole in center.

Bronze alloy: Until February 1936, 95 copper, 4 tin, 1 zinc; from February 1936 until 1943, 95.5 copper, 3 tin, 1.5 zinc; from 1943 to date, 97 copper, 0.5 tin, 2.5 zinc.

Cupro-nickel and nickel-brass coins currently issued.

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

*Latest available data.

INDONESIA (FORMERLY NETHERLANDS EAST INDIES)

[Coins in active circulation at end of December 1949]

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	.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

IRAN

[Coins in active circulation at end of December 1949]

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 1949]

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 1949]

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	95.5 copper, 3 tin, 1.5 zinc	30.861	1.905
Halfpenny	5.66990	do	25.527	1.778
Farthing	2.83495	do	20.193	1.524

ISRAEL

[Coins in active circulation at end of December 1949]

100 mils	11.6	720 silver, 280 copper	29	
50 mils	5.8	do	23.6	
20 mils		Nickel-bronze	• 30.5	
10 mils		do	• 27	
5 mils		do	• 20	
2 mils		Bronze	28	
1 mil		do	21	

The Israel pound is divided into 1,000 mils.
• Perforated.

ITALY

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

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	

*Latest available data.

JAMAICA, BRITISH WEST INDIES

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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	

British coins also circulate in Jamaica. See *Great Britain*.

JAPAN

[Coins in active circulation at end of December 1949]

5 yen	4	60–70 copper, 30–40 zinc	22	1.25
Do	3.75	do	22	1.25
			5	
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	2.4	93 tin, 7 zinc	19	1.65
			5	
Do	4	95 copper, 5 aluminum	22	1.71
			4.6	
5 sen	2.8	do	19	1.48
			4	
Do	1.95	93 tin, 7 zinc	17	1.65
			4	
Do	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

Japanese coins with two diameters are round with round hole in center.

JORDAN

[Palestine coins in circulation in 1949. Distinctive Jordan coins to be issued]

KUWAIT

[Coins of India in circulation]

LEBANON

[Coins in active circulation at end of December 1949]

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 1949]

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

United States money chief circulating medium in Liberia.

LUXEMBOURG

[Coins in active circulation at end of December 1949]

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	
5 francs	7	75 copper, 25 nickel	25.5	
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	

Belgian coins also circulate in Luxembourg.

MADAGASCAR

[Coins in active circulation at end of December 1949]

2 francs (Chambre de Commerce).	7.93	91 copper, 9 aluminum; and pure aluminum.	26	1-7.5
2 francs (Republique Francaise).	7.98	do	26	1-8.5
1 franc (Chambre de Commerce).	4.03	do	23	1-0.3
1 franc (Republique Francaise).	3.88	do	23-9.5	1-2.25
1 franc (Croix de Lorraine)	5.52	do	25-4.5	1-0.2
50 centimes (Republique Francaise).	2.04	do	18-9.5	1-0.1
50 centimes (Croix de Lorraine).	2.78	do	20-0.1	1-0.1

MALAYA

[Coins in active circulation at end of December 1949]

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	
Do	5.655	75 copper, 25 nickel	23.5966	
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	
Do	2.827	75 copper, 25 nickel	19.4056	
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	
Do	1.413	75 copper, 25 nickel	16.2560	
1 cent	5.832	do		
Do	5.832	95 copper, 4 tin, 1 zinc		
Do	4.212	do		

MEXICO

[Coins in active circulation at end of December 1949]

5 pesos	30	900 silver, 100 copper	40	2.3
1 peso	14	500 silver, 400 copper, 60 nickel, 40 zinc	32	2.28
20 centavos	10	95 copper, 4 zinc, 1 tin	28.5	1.77
10 centavos	5.5	80 copper, 20 nickel	23.5	1.37
5 centavos	4.0	do	20.5	1.33
Do	6.5	95 copper, 4 zinc, 1 tin	25.5	1.44
1 centavo	3	do	20	1.04

MOROCCO

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
20 francs	10	75 copper, 25 nickel	30	1.2
10 francs	7	do	26	1.2
5 francs	12	91 copper, 9 aluminum	31	2
2 francs	8	do	27	2
1 franc	4	do	22	1
½ franc	2	do	18	1

NETHERLANDS

[Coins in active circulation at end of December 1949]

Ducat	3.494	983 gold, 17 copper	21	
Rijksdaalder (2½ guilders)	25.000	945 silver, 55 copper	38	
Do	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) Square	4.500	75 copper, 25 nickel	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	

Gold ducat without capacity of legal tender.

NETHERLANDS GUIANA (SURINAM)

[Coins in active circulation at end of December 1949]

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	
⅒ 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	

Silver coins of 2½, 1, and ½ guilders being recalled in 1949.

NETHERLANDS WEST INDIES (CURACAO)

[Coins in active circulation at end of December 1949]

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 (Square)	4.5	75 copper, 25 nickel	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	

NEW ZEALAND

[Coins in active circulation at end of December 1949]

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	

Silver coins in process of withdrawal in New Zealand.

NEWFOUNDLAND

[Coins in active circulation at end of December 1949]

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

Newfoundland became a province of Canada on Apr. 1, 1949.

NICARAGUA

[Coins in active circulation at end of December 1949]

1 cordoba	25	900 silver, 100 copper	38	3
50 centavos	12.5	800 silver, 200 copper	30	2
Do	8	75 copper, 25 nickel	26	2
25 centavos	6.25	800 silver, 200 nickel	24	1.8
Do	5	75 copper, 25 nickel	23	1.8
Do	7.5	70 copper, 30 zinc	27	1.9
10 centavos	2.5	800 silver, 200 copper	18	1.1
Do	4	75 copper, 25 nickel	20	1.8
Do	5.5	70 copper, 30 zinc	24	1.8
5 centavos	3	75 copper, 25 nickel	17	1.8
Do	3.75	70 copper, 30 zinc	21	1.6
Do	5	75 copper, 25 nickel	21	1.6
1 centavo	2.5	70 copper, 30 zinc	18	1.5
Do	4	95 copper, 5 zinc	20	1.6
½ centavo	2	do	17	1.5

NORWAY

[Coins in active circulation at end of December 1949]

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	99.8 zinc, 0.2 cadmium	22	
25 øre	2.4	75 copper, 25 nickel	17	3
Do	2	99.8 zinc, 0.2 cadmium	17	
10 øre	1.5	75 copper, 25 zinc	15	3
Do	1.25	99.8 zinc, 0.2 cadmium	15	
5 øre	8	95 copper, 4 tin, 1 zinc	27	
Do	6.944	Iron	27	
2 øre	4	95 copper, 4 tin, 1 zinc	21	
Do	3.472	Iron	21	
1 øre	2	95 copper, 4 tin, 1 zinc	16	
Do	1.736	Iron	16	

PAKISTAN

[Coins in active circulation at end of December 1949]

1 rupee	11.6638	Pure nickel	28	
½ rupee	5.8319	do	24	
¼ rupee	2.9160	do	19	
2 annas	5.8319	75 copper, 25 nickel	25.4—22	
1 anna	3.8879	do	29—19.8	
½ anna	2.9160	do	19.74—17	
Single pice	1.9440	97 copper, 2.5 zinc, 0.5 tin	21.5	

Coins of India also circulate in Pakistan.

PALESTINE

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

100 mils	11.6638	720 silver, 280 copper	29	
50 mils	5.8319	do	23.	
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	

* Latest available data.

PANAMA (REPUBLIC OF)

[Coins in active circulation at end of December 1949]

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

United States coins also circulate in Panama.

PARAGUAY

[Coins in active circulation at end of December 1949]

50 centimos	6	92 copper, 8 aluminum	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 1949]

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 1949]

1 peso	20	800 silver, 200 copper	35.74	
50 centavos	10	750 silver, 250 copper	27.64	
20 centavos	4	do	20.83	
10 centavos	2	do	16.66	
5 centavos	4.87	65 copper, 12 nickel, 23 zinc	19.05	
1 centavo	5.184	95 copper, 5 zinc	24.77	

PORTUGAL

[Coins in active circulation at end of December 1949]

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	3	95 copper, 3 zinc, 2 tin	20.5	1.07
10 centavos	2	do	17.5	.96

PORTUGUESE EAST AFRICA (MOZAMBIQUE)

[Coins in active circulation at end of December 1949]

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 1949]

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 MACAU

[Patacas of Hong Kong and Chinese coins circulate in Macau]

PORTUGUESE TIMOR

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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 1949]

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 1949]

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 1949]

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 1949]

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 1949]

5 lei	1.5	Aluminum with 1.5 percent impurities	23	2.0
2 lei	3.5	92 copper, 8 zinc	21	1.5
1 leu	2.5	63 copper, 37 zinc	18	1.2
Do	1.7	70 copper, 30 zinc	16	1.0
50 bani	1.7	do	16	1.0

SARAWAK

[Coins in active circulation at end of December 1949]

50 cents	10.368	400 silver, 600 copper	31	2.5
20 cents	5.184	do	23.5	2
10 cents	5.832	75 copper, 25 nickel	26	1.5
5 cents	3.888	do	21	1.5
1 cent	5.5	Copper	24.5	2
½ cent	3	do	18	2

SAUDI ARABIA

[Coins in active circulation at end of December 1949]

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	24.3340	1.36
¼ riyal	2.9160	do	19.5072	1.08
1 qurush	6.5	75 copper, 25 nickel	26	1.465
½ qurush	5.5	do	23	1.46
¼ qurush	4.25	do	20	1.405

British and Australian gold sovereigns also circulate in Saudi Arabia.

SOUTH WEST AFRICA

[Coins of the Union of South Africa in circulation]

SOUTHERN RHODESIA

[Coins in active circulation at end of December 1949]

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	
Do	14.13795	75 copper, 25 nickel	32.3089	2.3098
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	
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	
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	
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	
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; and 95.5 copper, 3 tin, 1.5 zinc.	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; and 95.5 copper, 3 tin, 1.5 zinc.	21	1.4478

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

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

SPAIN

[Coins in active circulation at end of December 1949]

5 pesetas	15	Pure nickel	32	2.47
1 peseta	3.50	90 copper, 10 aluminum	21	1.60
10 centimos	1.85	97.5 aluminum, 2.5 copper	23	1.64
5 centimos	1.15	do	20	1.97

SWAZILAND

[Coins of the Union of South Africa in circulation]

SWEDEN

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
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 1949]

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 1949]

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
Do	4	75 copper, 25 nickel	21	1.5
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

SYRIA—Continued

[Coins authorized by decree law No. 76 dated Mar. 11, 1950]

Denomination	Gross weight	Composition (proportion of metal)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
Syrian gold pound	6.7585½	900 gold, 100 copper	21	
Half Syrian gold pound	3.3792½	do	19	
100 piasters	10	680 silver, 320 copper	28	
50 piasters	5	600 silver, 400 copper	24	
25 piasters	2.5	do	20	
10 piasters		Nonprecious metal		
5 piasters		do		
2.5 piasters		do		
2 piasters		do		
1 piaster		do		
0.5 piaster		do		

[1] Description of Syrian nonprecious metal coins to be fixed by decision to be issued by Minister of Finance.

THAILAND (SIAM)

[Coins in active circulation at end of December 1949]

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	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

[1] Tin coins chiefly used at present in Thailand.

TUNISIA

[Coins in active circulation at end of December 1949]

5 francs	12	90/91.5 copper, 8.5/9 aluminum, other, less than 1.	31	
2 francs	8	do	27	
1 franc	4	do	23	
½ franc	2	do	18	

TURKEY

[Coins in active circulation at end of December 1949]

Denomination	Gross weight	Composition (proportion of metals)	Diameter	Thickness
	Grams		*Millimeters*	*Millimeters*
1 lira (pound)	7.5	600 silver, 400 copper	25	1.57
50 kurus (piasters)	4	do	20	1.15
25 kurus	4.5	70 copper, 30 zinc	22.5	1.35
10 kurus	6	75 copper, 25 nickel	25.5	1.35
Do	2.75	70 copper, 30 zinc	18	1.35
5 kurus	4	75 copper, 25 nickel	21.5	1.28
Do	2.25	70 copper, 30 zinc	16	1.35
2½ kurus	3.125	do	21	1.15
1 kuru	2.5	75 copper, 25 nickel	18.5	1.18
Do	2.25	70 copper, 30 zinc	18	1.15

Turkish cupro-nickel coin being withdrawn.

UNION OF SOUTH AFRICA

[Coins in active circulation at end of December 1949]

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	95 copper, 4.5 zinc, 0.5 tin	30.91133	1.37151
Halfpenny	5.66990	do	25.52637	1.219
Farthing	2.83495	do	20.11671	0.99051

South African coins also circulate in Basutoland, Bechuanaland, South West Africa, and Swaziland.

URUGUAY

[Coins in active circulation at end of December 1949]

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	26	
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 1949]

100 Vatican lire	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	

100 Vatican lire not coined for circulation.

VENEZUELA

[Coins in active circulation at end of December 1949]

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	1.32
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, 1944–49, by countries, in fine ounces [1]

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

Country	1944	1945	1946	1947	1948	1949
North America:						
United States (including Alaska) [2]	1,022,238	915,403	1,462,354	2,165,318	2,025,480	1,921,949
Canada	2,922,911	2,696,727	2,832,554	3,070,221	3,529,608	4,103,856
Newfoundland [3]	14,715	11,767	12,854	11,032		
Central America and West Indies:						
Costa Rica [4]	3,606	3,054	1,251	1,988	1,096	284
Cuba	39	[4] 423	1,105	364	334	[4] 5,692
Dominican Republic [4]	749	496	645	16	29	993
Guatemala [4]	126	66	36	35	16	5
Haiti	161	[4] 73	41			
Honduras	19,774	17,078	12,833	12,037	13,633	25,832
Nicaragua (exports)	222,635	206,360	203,390	213,454	222,627	219,139
Panama				1,000	[5] 9,657	
Salvador (exports)	22,813	16,526	21,798	10,755	20,778	[4] 25,000
Mexico	508,882	499,301	420,500	464,739	367,612	405,550
Total	4,738,600	4,367,200	4,969,400	5,950,000	6,182,200	6,718,000
South America:						
Argentina	5,369	3,381	8,038	[6] 8,000	[6] 8,000	[6] 8,000
Bolivia	6,265	5,888	16,700	20,108	[5] 4,063	[5] 32,415
Brazil (estimate)	178,300	212,200	175,000	167,000	156,900	183,500
British Guiana	18,986	22,533	19,793	21,111	16,518	19,368
Chile	243,883	180,462	230,880	168,855	164,258	179,144
Colombia	553,530	506,695	437,176	383,027	335,260	359,474
Ecuador	85,039	68,038	75,254	57,250	79,207	99,241
French Guiana	18,583	20,641	19,741	14,918	13,625	[4] 15,000
Peru	175,180	172,661	158,378	116,016	111,162	137,963
Surinam	5,723	5,895	4,648	4,134	4,177	3,794
Uruguay	[6] 1,000	[6] 1,000				(7)
Venezuela	77,716	76,839	48,558	21,830	49,730	61,378
Total	1,370,000	1,276,000	1,194,000	982,000	943,000	1,100,000
Europe:						
Czechoslovakia	5,014	1,529	1,903	2,090	(7)	(7)
Finland	9,800	6,633	7,327	11,285	11,317	14,050
France	21,959	39,738	48,355	42,407	34,498	47,294
Hungary	[8] 28,215	193	1,318	1,993	(7)	(7)
Italy	6,334	1,768	8,520	11,253	18,422	(7)
Portugal			6,687	15,754	11,799	(7)
Rumania	74,590	90,987	80,377	74,686	90,000	120,000
Spain	1,961	2,025	3,729	2,714	11,375	30,318
Sweden	112,560	85,585	91,372	75,586	71,889	80,280
U. S. S. R. (estimate) [9]	4,000,000	5,000,000	6,000,000	7,000,000	7,000,000	7,000,000
Total	4,300,000	5,200,000	6,300,000	7,200,000	7,300,000	7,300,000

See footnotes at end of table.

World production of gold, 1944–49, by countries, in fine ounces [1]—Continued

Country	1944	1945	1946	1947	1948	1949
Asia:						
Burma	30	30	2	9	230	(3)
China				107,535	(7)	
Formosa	25,978	579	424	8,387	17,668	16,607
Cyprus	958					
French Indochina [10]	13					
India	188,206	168,366	131,775	171,704	180,490	160,902
Japan	396,579	128,410	43,154	55,029	69,180	84,532
Korea:						
North	249,779	96,452	192,000	322,000	(7)	(7)
South			1,269	2,494	3,466	3,419
Malaya	1,212	287	445	5,312	10,212	13,617
Philippines		[11] 13,490	360	64,441	209,225	287,844
Sarawak	(7)	(7)	17	429	599	(7)
Saudi Arabia	[8] 8,683	[8] 37,972	48,000	52,000	74,000	67,200
U. S. S. R	(9)	(9)	(9)	(9)	(9)	(9)
Total	872,000	446,000	418,000	790,000	665,000	684,000
Africa:						
Angola	1,296	822	552	360	443	319
Bechuanaland	11,575	11,297	9,739	7,381	1,507	256
Belgian Congo [12]	364,204	346,971	331,304	301,445	299,774	333,853
Egypt	1,036	3,014	2,793	2,090	3,853	(3)
Eritrea	169	2,119	3,411	3,674	(7)	(3)
Ethiopia	[8] 38,156	[8] 56,176	[8] 51,528	[8] 27,382	41,595	45,102
French Cameroon	20,416	16,300	11,927	11,510	10,706	8,938
French Equatorial Africa	84,106	76,069	71,535	64,044	63,715	57,273
French Guinea	(7)	(7)	4,405	7,395	88,029	(3)
French Morocco	2,572	161		1,029		(3)
French West Africa	8,777	6,945	7,009	5,564	20,512	46,381
Gold Coast	523,225	539,252	585,910	558,011	672,388	[8] 657,595
Kenya	42,259	38,517	29,892	21,959	23,429	20,072
Liberia	30,772	[8] 9,016	16,506	16,987	13,797	14,656
Madagascar	9,388	6,430	3,890	1,511	2,095	1,663
Mozambique	7,577	7,897	5,766	5,427	5,427	(3)
Nigeria	7,916	8,108	4,881	2,203	2,899	2,515
Northern Rhodesia	307	265	[13] 6,838	[13] 779	[13] 1,180	[13] 1,186
Sierra Leone	1,026	274	183	2,400	2,193	2,160
Southern Rhodesia	592,729	568,241	544,596	522,735	514,440	528,180
South-West Africa	97	83	67	34	455	32
Sudan	1,820	1,623	3,670	3,725	3,579	4,114
Swaziland	2,299	3,583	4,914	5,637	3,110	2,841
Tanganyika (exports)	55,148	49,302	48,428	47,317	57,557	68,989
Uganda (exports)	2,593	2,295	2,176	1,366	1,158	650

Union of South Africa	12,279,629	12,224,629	11,927,165	11,200,281	11,584,849	11,705,048
Total	14,089,000	13,979,000	13,679,000	12,822,000	13,423,000	13,595,000
Oceania:						
Australia:						
Commonwealth	656,867	657,212	824,480	937,654	890,805	896,872
New Guinea			661	59,202	86,556	95,100
Fiji	40,407	94,964	82,402	94,353	93,059	104,036
New Zealand	142,287	128,364	119,271	112,260	93,903	84,856
Total	839,561	880,540	1,026,814	1,203,469	1,164,323	1,180,864
World total (estimate) [1]	26,200,000	26,100,000	27,600,000	28,900,000	29,700,000	30,600,000

[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 Austria, Bulgaria, Germany, Norway, and Yugoslavia; estimate not included in total. In addition, production in Indonesia and Papua was negligible, and Thailand produced none in 1944–47.

[2] Refinery production. Excludes production of the Philippines.

[3] Data revised as recent information states the gold in zinc concentrates is not recoverable.

[4] Imports into United States.

[5] Exports.

[6] Estimate.

[7] Data not available, estimate included in total.

[8] Includes gold mined in Transylvania which temporarily formed part of Hungary.

[9] Output from U. S. S. R. in Asia included with U. S. S. R. in Europe.

[10] Lode 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 is yield from Nkana mine refinery slimes accumulated during the war: 6,594 ounces in 1946, 547 in 1947, 999 in 1948, and 972 in 1949.

World production of silver, 1944–49, by countries, in fine ounces [1]

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

Country	1944	1945	1946	1947	1948	1949
North America:						
United States [2]	35,651,049	29,046,047	21,103,269	38,587,069	39,228,468	34,944,554
Canada	13,627,109	12,942,906	12,544,100	12,504,018	16,109,982	16,937,641
Newfoundland	1,163,206	1,076,129	1,107,827	956,052		
Central America and West Indies:						
Costa Rica [3]	3,506	1,380	604	1,470	3,029	720
Cuba	[4] 42,985	[3] 107,195	127,222	146,932	185,216	[3] 157,411
Honduras	3,115,352	3,003,495	2,682,910	2,413,399	3,170,871	3,431,614
Nicaragua (exports)	248,529	240,197	260,637	213,417	212,463	206,507
Salvador	[4] 305,922	[4] 223,705	[4] 313,180	[4] 265,104	[4] 216,342	[3] 275,075
Mexico	65,460,073	61,097,727	43,263,132	58,843,863	57,519,703	49,447,842
Total	119,618,000	107,739,000	81,403,000	113,931,000	116,646,000	105,401,000
South America:						
Argentina [3]	1,695,000	2,760,000	3,090,000	2,435,400	1,201,900	1,249,421
Bolivia (exports)	6,797,631	6,683,561	6,106,165	6,233,354	7,562,208	6,634,627
Brazil	28,722	28,385	21,968	20,293	23,095	21,041
Chile	996,544	825,438	537,333	747,055	861,961	799,685
Colombia	197,323	168,699	151,971	110,352	109,188	106,590
Ecuador	441,345	235,500	192,200	156,931	226,664	270,247
Peru	15,832,440	12,997,741	12,334,150	10,782,909	9,288,777	10,627,717
Total	25,989,000	23,699,000	22,454,000	20,486,000	19,274,000	19,718,000
Europe:						
Austria	13,960				[5]	[5]
Czechoslovakia [3]	675,000	300,000	600,000	1,400,000	1,600,000	[5]
Finland	90,344	45,236	146,929	188,821	167,615	171,150
France	240,134	350,025	535,213	474,320	494,403	395,445
Germany (Federal Republic)	[5]	[5]	[5]	[5]	[7] 867,459	1,601,782
Hungary	[3] 614,300	[4] 3,200	14,854	[5]	[5]	[5]
Italy	81,052	1,382	125,709	337,936	663,270	793,545
Norway	170,399	131,818	202,550	228,270	215,410	144,700
Portugal				7,395	35,366	[5]
Rumania	71,310	189,689	[5]	481,264	[5]	[5]
Spain	778,016	497,661	669,009	638,192	339,396	514,090
Sweden	1,292,299	1,135,178	1,294,935	1,088,656	1,137,943	1,140,708
United Kingdom	34,660	27,517	23,285	23,522	25,000	[5]
Total (estimate)	15,000,000	12,000,000	13,000,000	15,000,000	17,000,000	19,000,000

Asia:						
Burma					[5] 450,000	
China	[6]	[6]	[6]	1,747	[6]	[6]
Formosa	127,873	3,156	108	1,856	7,042	4,836
Cyprus	4,882					
India	14,299	14,154	9,821	12,422	12,797	[6]
Japan	7,405,634	4,293,121	1,281,625	1,792,050	2,185,672	2,887,265
Korea:						
North	2,577,525		[5] 128,600	[5] 128,600	[6]	[6]
South			27,572	38,689	38,505	18,932
Philippines		17,208	3,600	54,940	150,760	218,419
Saudi Arabia	3,514	24,144	31,307	49,805	[6]	[6]
Total (estimate)	10,000,000	4,500,000	1,500,000	2,200,000	3,000,000	3,200,000
Africa:						
Algeria	48,612	14,661	39,996	24,435	[6]	[6]
Bechuanaland	1,319	1,237	1,704	1,086	233	23
Belgian Congo	2,732,813	4,141,016	5,047,666	4,057,295	3,805,619	4,549,330
French Morocco	65,427	107,609	117,157	356,712	[6]	[6]
Gold Coast (exports)	56,820	36,666	54,525	41,329	[5] 41,000	38,887
Kenya	11,500	16,659	5,493	3,859	3,184	2,279
Mozambique	844	998	805	712	712	[6]
Nigeria	1,079	1,106	666	2,130	4,270	484
Northern Rhodesia		2,269	[5] 634,392	[5] 73,277	[5] 145,865	[5] 134,920
Southern Rhodesia	103,776	95,975	95,168	91,900	81,404	84,495
South-West Africa				[5] 390,000	323,647	642,500
Swaziland	78	163		211	124	120
Tanganyika (exports)	17,120	21,377	21,096	20,794	25,010	27,631
Tunisia	35,205	34,369	60,122	53,852	[4]	156,638
Uganda (exports)	306	275	205	87	[6]	[6]
Union of South Africa	1,213,051	1,243,426	1,207,373	1,147,694	1,170,951	1,159,375
Total	4,288,000	5,718,000	7,287,000	6,266,000	5,800,000	7,000,000
Oceania:						
Australia:						
Commonwealth	9,365,726	8,076,740	9,045,280	9,527,140	10,057,519	9,849,213
New Guinea				[10] 35,421	[10] 31,739	[6]
Fiji	9,355	29,398	26,351	33,237	29,187	29,755
New Zealand	328,281	244,544	224,341	221,984	232,563	232,599
Total	9,703,000	8,351,000	9,296,000	9,818,000	10,351,000	10,142,000
World total (estimate) [1]	184,600,000	162,000,000	135,000,000	167,700,000	172,000,000	164,500,000

[1] Silver is also produced in Bulgaria, Greece, Hong Kong, Federation of Malaya, Indonesia, Poland, Sarawak, Sierra Leone, Turkey, U. S. S. R., and Yugoslavia; production data are not available, but estimates are included in total.
[2] Excludes 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] Exports.
[5] Estimate.
[6] Data not available; estimate included in total.
[7] American and British zones only.
[8] Data represent Trianon Hungary after October 1944.
[9] Recovered from an accumulation of refinery slimes.
[10] Fiscal year ended May 31 of year following that stated.

Coinage of nations during the year ended Dec. 31, 1948 (part)

[See Report of the Director of the United States Mint for the fiscal year ended June 30, 1949, for coinage of other countries for 1948]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Australia	Florin	12,000	1,200-0-0	pounds	500 silver, 400 copper, 50 nickel, 50 zinc.
	Shilling	4,132,000	206,600-0-0	pounds	Do.
	Sixpence	1,584,000	39,600-0-0	pounds	Do.
	Threepence	26,208,000	327,600-0-0	pounds	Do.
	Penny	21,432,000	89,300-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	26,860,800	55,960-0-0	pounds	Do.
Total		80,228,800	720,260-0-0	pounds	
British East Africa	1 shilling	3,464,545	173,227-5-0	pounds	75 nickel, 25 copper.
British West Africa (revised).	1 shilling	15,800,000	790,000-0-0	pounds	79 copper, 20 zinc, 1 nickel.
	Tenthpenny	4,202,400	1,751-0-0	pounds	75 copper, 25 nickel.
Total		20,002,400	791,751-0-0	pounds	
Costa Rica (revised).	2 colones	2,500,000	5,000,000.00	colones	75 copper, 25 nickel.
	1 colon	1,350,000	1,350,000.00	colones	Do.
	50 centimos	4,000,000	2,000,000.00	colones	Do.
	25 centimos	1,600,000	400,000.00	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		12,160,000	8,921,000.00	colones	
France	10 francs	196,444,500	1,964,445,000.00	francs	75 copper, 25 nickel.
	5 francs	132,520,400	662,602,000.00	francs	Do.
	2 francs	71,444,500	142,889,000.00	francs	Aluminum.
	1 franc	141,573,000	141,573,000.00	francs	Do.
Total		541,982,400	2,911,509,000.00	francs	
French Equatorial Africa.	1 franc	2,294,000	2,294,000.00	francs	Do.
French Occidental Africa.	2 francs	3,156,000	6,312,000.00	francs	Do.
	1 franc	12,481,000	12,481,000.00	francs	Do.
Total		15,637,000	18,793,000.00	francs	
Hong Kong	10 cents	6,750,000	675,000.00	H. K. dollars	79 copper, 20 zinc, 1 nickel.
Indochina	1 piastre	15,261,250	15,261,250.00	piastres	Cupro-nickel.
Iraq	1 fil	4,000,000	4,000.00	dinars	95.5 copper, 3 tin, 1.5 zinc.
Ireland	Sixpence	800,000	20,000-0-0	pounds	75 copper, 25 nickel.
	Threepence	1,600,000	20,000-0-0	pounds	Do.
	Penny	4,800,000	20,000-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
Total		7,200,000	60,000-0-0	pounds	
Israel	25 mils	119,657	2,991.425	pounds	Aluminum.
Jamaica, British West Indies.	Penny	480,000	2,000-0-0	pounds	79 copper, 20 zinc, 1 nickel.
	Halfpenny	960,000	2,000-0-0	pounds	Do.
	Farthing	192,000	200-0-0	pounds	Do.
Total		1,632,000	4,200-0-0	pounds	
Jersey	Penny	204,000	850-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	72,000	150-0-0	pounds	Do.
Total		276,000	1,000-0-0	pounds	

Coinage of nations during the year ended Dec. 31, 1948 (part)—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country		Composition
Malaya	20 cents	24,818,018	4,963,605.00	M. dollars	75 copper, 25 nickel.
	10 cents	23,885,374	2,388,537.00	M. dollars	Do.
	5 cents	21,735,529	1,086,776.00	M. dollars	Do.
Total		70,438,921	8,438,918.00	M. dollars	
Maroc	10 francs	5,306,000	53,060,000.00	francs	Cupro-nickel.
New Zealand (revised).	Crown	200,000	50,000-0-0	pounds	500 silver, 400 copper, 50 zinc, 50 nickel.
	Half crown	1,400,000	175,000-0-0	pounds	75 copper, 25 nickel.
	Florin	1,750,000	175,000-0-0	pounds	Do.
	Shilling	1,000,000	50,000-0-0	pounds	Do.
	Sixpence	2,000,000	50,000-0-0	pounds	Do.
	Threepence	4,000,000	50,000-0-0	pounds	Do.
	Penny	120,000	500-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
Total		10,470,000	550,500-0-0	pounds	
Palestine	2 mils	480,000	960-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	1 mil	2,880,000	2,880-0-0	pounds	Do.
Total		3,360,000	3,840-0-0	pounds	
Saint-Pierre et Miquelon.	2 francs	300,000	600,000.00	francs	Aluminum.
	1 franc	600,000	600,000.00	francs	Do.
Total		900,000	1,200,000.00	franc	
Seychelles	5 cents	300,000	15,000.00	rupees	95.5 copper, 3 tin, 1.5 zinc.
	2 cents	350,000	7,000.00	rupees	Do.
	1 cent	300,000	3,000.00	rupees	Do.
Total		950,000	25,000.00	rupees	
Togo	2 francs	5,000,000	10,000,000.00	francs	Aluminum.
	1 franc	5,000,000	5,000,000.00	francs	Do.
Total		10,000,000	15,000,000.00	francs	
Tunisia		33	Value not indicated		Pieces of gold.
		53			Pieces of silver.
		1,103			Do.
United Kingdom (revised)	Halfcrown	71,164,703	8,895,588-0-0	pounds	75 copper, 25 nickel.
	Florin	67,553,636	6,755,363-0-0	pounds	Do.
	Shilling	45,576,923	2,278,845-0-0	pounds	Do.
	Sixpense	88,323,540	2,208,088-0-0	pounds	Do.
	Threepence	4,230,400	52,880-0-0	pounds	79 copper, 20 zinc, 1 nickel.
	Penny	63,961,200	266,505-0-0	pounds	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	26,947,200	56,140-0-0	pounds	Do.
	Farthing	16,622,400	17,315-0-0	pounds	Do.
	Maundy money				
	Fourpence	1,385	23-0-0	pounds	925 silver, 75 copper.
	Threepence	1,491	19-0-0	pounds	Do.
	Twopence	1,385	11-0-0	pounds	Do.
	Penny	1,397	6-0-0	pounds	Do.
Total		384,385,660	20,530,783-0-0	pounds	

INDEX

A

Page

Acts authorizing coinage (authority for)---- 64–67
Alaska:
  Production of gold and silver---- 15, 16, 33
  Production review---- 19
Appalachian States, production of gold and silver, review---- 15, 16, 29–33
Arizona:
  Production of gold and silver---- 15, 16, 33
  Production review---- 20
Arts, industrial, gold and silver used. (*See* Industrial arts.)
Assay commission, annual test of coins---- 9
Assets and liabilities. (*See* Cash assets and liabilities.)

B

Balances, receipts, and disbursements of gold bullion---- 4
Bars, refined issue-bars manufactured---- 4
Bars of gold issued for industrial use---- 4, 17
Bases, statistical---- 39
British India, imports and exports of gold and silver since 1873. (*See* 1944 report.)
Bullion and coin imported and exported, by calendar years since 1873. (*See* 1944 report.)
Bullion:
  Deposit transactions---- 3, 40
  Deposits and purchases, (*See* gold and silver.)
  Gains and losses---- 8
  Gold and silver imported and exported to and from British India since 1873. (*See* 1944 report.)
  Gold receipts, disbursements, and balances---- 4
  In mints and assay offices. (*See* Cash assets and liabilities.)
  Number of deposit transactions. (*See* Bullion deposit transactions.)
  Recovered (surplus) in ounces---- 6
  Silver exports from London to the East since 1881. (*See* 1944 report.)
  Silver, refined, exports from United States since 1900. (*See* 1944 report.)
  Stock of, in United States---- 4
  Value of a silver dollar since 1837---- 72
Bureau of the Mint:
  Employees---- 1, 11
  Institutions---- 1, 11
  Operations, review of---- 1–11
  Receipts---- 57

C

California:
  Production of gold and silver---- 15, 16, 33
  Production review---- 21
Cash assets and liabilities---- 58, 60
Central States of the United States, review of production of gold and silver---- 29
Coin:
  Demand for, during fiscal year 1950 (issue of)---- 3
  Deposits since 1873. (*See* 1946 Report.)
  Domestic, specifications. (*See* Acts authorizing coinage.)
  Minor, issued, melted, and outstanding---- 68

Coin—Continued
Test by annual assay commission. (*See* Assay commission.) Page
Withdrawn from monetary use 52–53
Coin and bullion:
Stock of, in mints and assay offices. (*See* Cash assets and liabilities.)
Stock of, in United States 3, 67–68
Coinage by the United States for other countries 2, 68–70
Coinage of nations. (*See* World.)
Coinage of the United States:
Authority for coinage, changes in weight and fineness, amounts 64–67
By classes (gold, silver, minor, total) and calendar years since 1793. (*See* 1948 report.)
By each mint and by denominations:
Since 1793. (*See* 1948 report.)
During past 10 fiscal years in value and pieces 62, 63
Calendar year 1949 61
Commemorative 64–66
Fiscal year 1950 2
Gold, by denominations and calendar years since 1793. (*See* 1948 report.)
Gold, by fine ounces, value, and fiscal years, since 1873. (*See* 1944 report.)
Minor, by denominations and calendar years since 1793. (*See* 1948 report.)
Review of. (*See* Operations.)
Seigniorage on silver and minor coins. (*See* Receipts, Bureau of Mint.)
Silver, by denominations and calendar years since 1793. (*See* 1948 report.)
Silver, by fine ounces, value, and fiscal years since 1873. (*See* 1944 report.)
Uncurrent coin used in 54
Coining department operations. (*See* Operations.)
Colorado:
Production of gold and silver 15, 16, 33
Production review 23
Consumption of gold and silver in the world. (*See* World.)
Consumption of gold and silver in the United States. (*See* Industrial arts.)

D

Deposits and purchases of gold 42–43, 46–47
Deposits and purchases of silver 44–45, 48–49
Deposits of gold since 1873. (*See* 1946 report.)
Deposits of silver since 1873. (*See* 1946 report.)
Deposit transactions, number 3, 40
Disbursements, receipts, and balances of gold bullion 4
Dollar, silver bullion, value of, since 1837 72

E

Eastern States, production review. (*See* Appalachian States.)
Employees classified by institution and department. (*See* Employees, Bureau of the Mint.)
Exports and imports of gold and silver, British India, since 1873. (*See* 1944 report.)

F

Fineness of United States coins. (*See* Acts authorizing coinage.)
Foreign coinage, by United States mints. (*See* Coinage by the United States for other countries.)
Foreign and world monetary statistics. (*See* World.)

G

Gains and losses on operations, fiscal year 1950 8
Georgia, production of gold and silver 15, 16, 29, 33

Page
Gold (*see also* Silver and gold):
Acquired by mint service 3, 42–43, 46–47
Balances, receipts, and disbursements, fiscal year 1950 4
Bars issued for industrial use 4, 17
Bars used in the arts since 1880 in the United States. (*See* 1944 report.)
Bullion in United States 4
Bullion balances, receipts, and disbursements, fiscal year 1950 4
Bullion deposits. (*See* above.)
Bullion in mints and assay offices. (*See* Cash assets and liabilities.)
Bullion (surplus) recovered 6
Coinage, by acts since 1792. (*See* Acts authorizing coinage.)
Coinage, by denominations and calendar years since 1793. (*See* 1948 report.)
Coinage, by individual mints. (*See* 1948 Report.)
Coinage, fine ounces and value, since 1873. (*See* 1944 report.)
Coinage of nations. (*See* World.)
Coin of United States withdrawn 52–53
Deposits and purchases of mints and assay offices 3, 42–43, 46–47
Deposits since 1873. (*See* 1946 report.)
Imports and exports, since 1873, by calendar years. (*See* 1944 report.)
Increment 3, 5
Industrial consumption, United States 8, 17
Operations of mint service. (*See* Operations.)
Price of, in London, since 1870. (*See* 1944 report.)
Production, distributed by mines, as reported by owners as to source 33
Production, distributed by States, increase or decrease. (*See* Production of gold and silver.)
Production of world, by countries. (*See* World.)
Production of world, yearly since discovery of America. (*See* 1944 report.)
Production of United States since 1792, by ounces and value 16
Production of United States, estimate for. (*See* Production of gold and silver.)
Stock and per capita in the United States since 1873. (*See* 1944 report.)
Stock of bullion in mints and assay offices. (*See* Cash assets and liabilities.)
Stock of United States. (*See* Bullion in.)
Stock of world. (*See* World.)
Transfers, intermint, and from other Treasury offices 3, 5, 42–43, 46–47
Used in arts in United States. (*See* Industrial arts.)
Government refineries, work of. (*See* Operations.)

I

Idaho:
Production of gold and silver 15, 16, 33
Production review 24
Illinois, production of silver 16, 29, 33
Imports and exports of United States of gold and silver since 1873. (*See* 1944 report.)
Increment on gold 3, 5
Industrial arts, gold and silver used:
In United States, 1949 ..... 8, 17
In United States since 1880. (*See* 1944 report.)
In world. (*See* World.)
Institutions of mint service. (*See* Bureau of the Mint.)
Issue-bars, refined, manufactured 4
Issue of coins by mints 3
Issue of fine gold bars for industrial use 4, 17

L

Page

Lend-lease silver. (*See* 1946 report.)
Liabilities and assets, mints and assay offices. (*See* Cash assets and liabilities.)
London (*see* 1944 report):
Exports of silver to the East since 1881.
Price of gold since 1870.
Price of silver since 1833.
Loss by recoinage 52–53
Loss on sale of sweeps, wastage, and gains from operations 8

M

Management program 10
Medals 3
Melting and refining department and coining department operations. (*See* Operations.)
Michigan, production of silver 16
Mines, production of gold and silver, distributed as reported by owners 33
Minor coin:
Coinage, by authorizing acts. (*See* Acts authorizing coinage.)
Coinage, by denominations and calendar years since 1793. (*See* 1948 report.)
Coinage, by individual mints 2, 61–63
Issued, melted, and outstanding 68
Operations of melting and refining, and coining departments. (*See* Operations.)
Seigniorage on. (*See* Receipts, Bureau of the Mint.)
Stock in the United States 67–68
Withdrawn from monetary use, loss by recoinage 52–53
Mint Bureau. (*See* Bureau of.)
Missouri, production of silver 16, 23–25
Monetary statistics, foreign and world. (*See* World.)
Monetary stock of the world. (*See* World.)
Montana:
Production of gold and silver 15, 16, 33
Production review 25
Mutilated and uncurrent domestic coin received for recoinage:
Calendar year 1949 53
Fiscal year 1950 52

N

Nevada:
Production of gold and silver 15, 16, 33
Production review 26
New Mexico:
Production of gold and silver 15, 16, 33
Production review 27
New York, production of silver 16, 29, 33
North Carolina, production of gold and silver 15, 16, 29, 33

O

Operations:
Coining departments 6
Melting and refining departments 6
Mints, assay offices and bullion depositories, review of 1–11
Refineries 4
Sweeps cellar 7
Oregon:
Production of gold and silver 15, 16, 33
Production review 28

P

Page

Pennsylvania, production of gold and silver 15, 16, 29, 33
Price of gold in London since 1870. (*See* 1944 report.)
Price of silver:
  Average, highest and lowest 71, 72
  In New York, 1947–50 71
  In London during 1949–50 71
  In London since 1833. (*See* 1944 report.)
  In New York since 1874 72
Production of gold and silver in United States:
  By ounces and value since 1792 16
  By producing States and Territories, estimate of Director of the Mint, 1948 and 1949 15–16
  Reported, as to source, by mine owners 33
Production of gold and silver in the world. (*See* World.)
Purchases of gold and silver, calendar year 1949. (*See* Deposits.)
Purchases of gold and silver, fiscal year 1950. (*See* Deposits.)
Pyx coins, report of annual assay commission. (*See* Assay Commission.)

R

Ratio of silver to gold since 1837 73
Receipts, disbursements, and balances of gold bullion, fiscal year 1950 4
Receipts, Bureau of the Mint, fiscal year 1950 57
Receipts of gold and silver, by institutions. (*See* Deposits.)
Recoinage (*see also* Withdrawn coin):
  Domestic gold, silver, and minor uncurrent coins 52–54
  Domestic silver since 1890 54
  Foreign countries. (*See* World.)
  United States silver dollars since 1883 54
Refined issue-bars manufactured. (*See* Issue bars.)
Refineries, Government, work of. (*See* Operations.)
Refinery production of gold and silver. (*See* Production of gold and silver.)
Revaluation of silver as security for certificates 4

S

Seigniorage accrued during fiscal year 1950 ..... 4, 57
Silver (*see also* Silver and gold):
  Bullion acquired by the United States 3, 44–45, 48–49
  Bullion exported from United States since 1900. (*See* 1944 report.)
  Bullion in mints and assay offices. (*See* Cash assets and liabilities.)
  Bullion revalued as security for certificates. (*See* Revaluation of silver.)
  Bullion value of silver dollar since 1837 72
  Coin of the United States withdrawn for recoinage. (*See* Recoinage.)
  Coinage of nations. (*See* World.)
  Coinage by denominations and calendar years, since 1793. (*See* 1948 report.)
  Coinage by United States for foreign countries 2, 68–70
  Deposits and purchases of mints and assay offices. (*See* Bullion above.)
  Deposits since 1873. (*See* 1946 report.)
  Dollars used in subsidiary coinage since 1883. (*See* Recoinage.)
  Imports and exports of United States since 1873. (*See* 1944 report.)
  Newly mined domestic silver purchased since fiscal year 1934 56
  Operations of mint service. (*See* Operations.)
  Price of, in London and New York, 1949–50. (*See* Price of silver.)
  Price of, in London since 1833. (*See* 1944 report.)
  Price of, in New York since 1874 72
  Product of United States, distributed by States, increase or decrease. (*See* Production of gold and silver.)
  Production of the United States since 1792 16
  Purchased, calendar year 1949 48–49
  Purchased, fiscal year 1950 46–47
  Ratio to gold since 1837 73

Silver—Continued Page
Recoinage of uncurrent silver coin. (*See* Recoinage.)
Revalued bullion as security for certificates. (*See* Revaluation of silver.)
Sales, act of July 31, 1946 54
Sales, Green Act. (*See* 1946 report.)
Stock of bullion in mints and assay offices. (*See* Cash assets and liabilities.)
Stock of coin in United States 3, 67–63
Summary of silver receipts and issues, fiscal years 1932–1946. (*See* 1946 report.)
Transfers, intermint, and from other Treasury offices 3, 44–45, 48–49
Used in arts in United States. (*See* Industrial arts.)
World's production. (*See* World.)
Silver and gold:
Arts consumption. (*See* Industrial arts.)
Bullion gains and losses 8
Coinage of United States:
By acts, since 1792 65–66
By individual mints 61–63
Calendar year 1949 61
Fiscal year 1950 2
Fine ounces and values since 1932. (*See* 1946 report.)
Domestic exports and imports of gold and silver 73
Product of United States, as reported by mine owners, distributed as to source 33
Product by States and Territories, estimate of Director of the Mint 16
Product of the world. (*See* World.)
Stock of world. (*See* World.)
Used in the industrial arts, United States 8–9, 17
South Carolina, production of gold and silver 15, 16, 29, 33
South Dakota:
Production of gold and silver 15, 16, 33
Production review 29
Specifications, domestic coin 64–67
Statistical bases 39
Stock of bullion and coin in mints and assay offices. (*See* Cash assets and liabilities.)
Stock of coin and monetary bullion in United States 3, 4
Stock of gold in United States, by calendar years since 1879 and by fiscal years 1873 to 1879. (*See* 1944 report.)
Stock, monetary, of world. (*See* World.)
Surplus and wastage of bullion in ounces 6, 8
Sweep-cellar operations 7
Sweeps, loss on sale of 8

T

Transactions, number of bullion deposits. (*See* Deposit transactions.)
Transfers, intermint and from other Treasury offices:
Gold 3, 5, 42–43, 46–47
Silver 3, 44–45, 48–49
Tennessee, production of gold and silver 15, 16, 29, 33
Texas:
Production of gold and silver 15, 16, 33
Production review 30

U

Uncurrent domestic coin melted 52–54
United States: Coinage. (*See* coinage.)

Utah: Page
Production of gold and silver 15, 16, 33
Production review 30

V

Value of silver bullion in the silver dollar since 1837 72
Vermont, production of gold and silver 15, 16, 29, 33
Virginia, production of gold and silver 15, 16, 29, 33

W

Washington:
Production of gold and silver 15, 16, 33
Production review 32
Wastage and loss on sale of sweeps 8
Wastage and surplus of bullion, in ounces 6
Wastage, gold and silver, operative, legal limits 5
Weight of United States coins. (*See* Acts authorizing coinage.)
Withdrawn domestic coin. (*See* Coin withdrawn from monetary use.)
Withdrawn foreign coin. (*See* World.)
World:
Coinage of 1948 (part) and 1949 ..... 44–45, 79–88
Coins in circulation 89–112
Coins withdrawn from circulation 87
Gold and silver (old) returned from industrial use 87
Gold and silver used in industrial arts 88
Mints of the world 86
Monetary statistics 75
Monetary stock of gold and silver December 1949 76–78
Production of gold and silver, by countries, 1944–49 113–117
Production of gold and silver since discovery of America. (*See* 1944 report.)
Wyoming:
Production of gold and silver 15, 16, 33
Production review 32

○