make this work unduly extensive. At the same time, any of our readers who may feel a sufficient interest in the matter and who desire to obtain further information on the subject, will find it worth their while to study the "Atlas General Mexicano," compiled by the present writer; the reports by the same author which have been presented to the Department of Fomento and published in Vol. V. of the Annals of that Department; the "Riqueza Minera de México" by Don Santiago Ramírez, "El Minero Mexicano," the "Minas Históricas," by Charles S. Dahlgren, and the "Boletin de Agricultura é Industria," published by the Department of Fomento.

Besides the above mentioned productions, the territory of the Republic contains abundant veins of magistral, sulphur, particularly in the extensive beds of Popocatepetl, Pico de Orizaba and Tajimaroa; different kinds of salts, and especially chloride of sodium in the salt beds of Peñon Blanco, of San Luis Potosí, and in many places along the coast. There are also extensive beds of rock cristals, different kinds of marbles and jaspers, valuable beds of building stone, and the handsome onyx of Tecali. Amongs the precious metals we have the opal with its beautiful colors in the Hacienda de Esperanza (Querétaro), the garnet, the topaz, the emerald, the agate, and the amethyst.

Through the surveys made by order of the Department of Fomento and through the claims frequently presented, it is known that beds of cinnabar, of coal and a few of platinum, are to be found in many parts of the country.

The system of reduction generally employed throughout the country is that of amalgamation by the Patio process, which was discovered in 1557, in Pachuca, by the Mexican miner Bartolomé de Medina. This process, which is also called cold amalgamation, combines simplicity and economy with the advantage of treating large quantities of ore, and is the best adapted to the treatment of low grade ores. The system of amalgamation in barrels is also employed, being applied to the

treatment of tailings and ores that contain pyrites or manganese. Another process which is employed is that of vats or hot amalgamation, and is only employed in the treatment of chlorides, bromides and iodides of silver. Smelting is employed in the States of Sonora, Sinaloa and Chihuahua for the reduction of rich ores containing lead, and in certain determined cases, lixiviation is resorted to.

The most notable reduction works in the country, are those of Pachuca, Real del Monte, el Chico, Guanajuato, Zacatecas, Fresnillo, Sultepec, Temascaltepec, El Oro, Zacualpan, and a few more.

The following tables show the extraction of the precious metals in the different States of the Republic, during the financial year of 1890 and 1891, enabling the reader to form a very good idea of the respective importance of this industry in each State.

State of Aguascalientes.	Gold	Silver	40.7
Tepezalá \$	"	,, 1,044	02
State of Coahuila.			
Sierra mojada \$	,, '	,, 8,366	94
State of Chiapas.			
General \$		27,	
State of Chihuahua.		in a falling	
Batopilas \$	6,626	24 1.013,623	57
Cerro Colorado	2,273	34	85
Dolores	,,	,, 345	72
Galeana	1,164	83 594	22
Guadalupe y Calvo	84 (	1,304	05
Jesus Maria	45,980	16 93,883	10
Orpinedas	176	28 1,345	46
Parral	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,, 289,307	58
Carried forward	56,705	73 \$ 1.409,829	40

	Gold.	Silver.
Brought forward	56,705 73	\$ 1.409,829 40
Urique	,, ,,	143,087 47
Uruachic	" "	703,366 00
Uruapan	9,782 77	19,872 86
Zapuri	" "	24,642 46
Other Districs	1,696 34	12,248 31
	00 104 04	0 0 010 040 50
onis in the country, and in	68,184 84	\$ 2.313,246 50
State of Durango.		
Amaculi	equificación di	2,290 18
Arzate	" "	33,487 36
Avino	odi wonie, sol	103,411 47
Birimoa	62 25	28,177 22
Candelaria	deres ,, 08, 1	352 06
Candelero	, , , , , , , , , , , , , , , , , , ,	137 59
Canelas	532 26	25,838 79
Cantarranas	" "	105,796 07
Coneto	""	8,953 46
Copalquin	2,834 02	33,324 77
Cuencamé	" "	21,157 30
Chacalá	,, ,,	245 96
Gavilanes	" "	18,466 81
Guanacevi	" "	35,159 43
La Paz	. ,, ,,	346 07
Mapimí	" "	411 19
Mezquital	" "	338 80
El Oro	" "	954 77
Parrilla	"	537 12
Promontorio	,, ,,	445 88
Pueblo Nuevo	20 97	1,355 39
San Andrés	,, ,,	492,581 77
San Dimas	82 34	1,487 91
San Juan de Guadalupe.	669 27	17,750 55
Santa Cruz	"	2,936 07
Santiago Papasquiaro	" "	19,245 58
0		0 0FF 100 FF
Carried forward \$	4,201 11	\$ 955,189 57

	Gold.	Silver.
Brought forward \$	4,201 11	\$ 955,189 57
Siánori	97 61	11,587 38
Tamazula	"	7,654 38
Tejamén	""	157,075 55
Topia	" "	165,833 77
Vacas	"	90,700 11
Ventanas	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	149,100 98
Zapioris	360 35	25,723 77
Durango [City]	»,»,	136,950 75
Sub Treasury	;, ;;	5,900 07
Other districts	834 00	142,983 19
\$	5,493 07	\$ 1.848,699 52
State of Guanajuato.		
State in general \$	379,383 87	\$ 4.204,850 83
Banco Nacional	,, ,,	6,575 67
60 miles 00 \$	379,383 87	\$ 4.211,426 50
State of Guerrero.		
State in general	289 59	432,801 75
THE RES - 11 HO OF		etal-tale world
State of Hidalgo.		
Pachuca \$	27,616 40	\$ 6.166,106 73
Zimapan	583 04	90,893 57
Will Hall Street	00 100 44	\$ 6.257,000 30
\$	28,199 44	\$ 0.257,000 50
State of Jalisco.		
Ajijic \$	,, ,,	1,910 14
Analco	,, ,,	52,993 17
La Bautista	,, ,,	13,275 05
Bolaños	,, ,,	38,968 44
Bramador	,, ,,	17,167 28
Cacoma	, n . n .	4,532 89
Cuale	"	106,820 87
Carried forward \$	,, ,,	\$ 235,667 84
Cutifou for market		G. C.—18

		Gol	d.		Silver.	
Brought forward		,,	"	\$	235,667	84
Desmoronado		,,	"		34,998	77
Etzatlan		"	"		151,973	31
Hostotipaquillo		"	"		180,873	62
Parnaso		"	"		778	31
Reyes			"		19,157	47
San Sebastian		1,333	95		129,483	94
Santo Tomás		"	"		6,662	
Sayula		155	73		884	41
Tecalitlan		"	"		5,387	78
Guadalajara		222	89		6,193	05
Sub Treasury		"	"		8,927	35
Other Districts		5,242	19		28	87
	\$	6,954	76	\$	781,027	01
CONTRACTOR OF THE CONTRACTOR O		0,001			102,021	
State of Mexico.						
State in general	\$	1,725	30		339,271	35
G. 1 135.1						
State of Michoacan.						
Trojes		,,	"	\$	151,695	14
Other Districts		3,642	39		167,989	78
	-	3,652	30		319,684	92
State of Morelos.		0,002	99		010,004	34
Huautla	\$	"	"		10,673	39
0 . A 3T T						
State of Nuevo Leon.						
State in general	\$	,,	. ,,		10,347	65
TI 800.E2						
State of Oaxaca.						
Cinco Señores	\$		"		1,546	06
Ixtlan	FED. 7	3,119			9,804	
Peras		5,878			115	
Talea		,,			40,088	96
				_		
Carried forward	9	8,998	66	\$	51,555	09

	Gold.	Silver.
Brought forward \$	8,998 66	\$ 51,555 09
Taviche	1,442 48	31,156 30
Teitipac	,, ,,	7,422 45
Totolapa	" "	60,716 18
Totomochapa	,, ,,	2,379 50
Yolox	"	1,157 35
City of Oaxaca	22 - 22 - 6	3,666 64
Old coin	" "	67,562 06
Other Districts	9,930 94	10,995 85
08 454.00 10.00 10.00	00 071 50	# 020 e11 F0
90 800.1	20,371 58	\$ 236,611 52
State of Puebla.		
State in general \$	14,310 14	17,507 73
furtion of the same	On comme	
State of Querétaro.		
State in general \$	1,251 67	31,817 87
State of San Luis.		
Catorce \$	11 11	880,612 03
Charcas	"	285,650 88
Guadalcázar	,, ,,	12,686 21
Matehuala	,, ,,,	187,013 65
Old coin	""	13,108 48
Other Districts	4,083 84	25,054 72
10 702.0	4,083 84	\$ 1.404,125 97
State of Simples	/	orror gomen 4
State of Sinaloa.		
Aldama\$	205 60	1 49
Bacubirito	2,705 21	2,465 37
Badiraguato	34 49	2,144 89
Cosalá	1,258 56	85,307 80
Cuates	148 93	44,878 36
Cumbres	133 07	15 02
Mazatlan	1,243 45	2,193 50
Carried forward \$	5,729 31	\$ 137,006 43

Brought forwerd.       \$ 5,729 31       \$ 137,006 43         Pánuco.       1,100 89       19,798 77         La Rastra.       " " 1,887 48         Sapuri.       " " 337 51         San Darío.       " " 477 87         San José de Gracia.       440 43       224 02         San José de las Bocas.       " 558 71         San Lorenzo.       472 54       72,198 84         Santa Cruz.       " 13,479 89         Santiago.       78 59       1,038 62         Sinaloa.       259 85       6,405 51         Yedras.       " 172,430 98         Culiacan.       " 22,812 63         Other Districts.       274 14       3 36         State of Sonora.       \$ 8,355 75       \$ 450,160 51         State of Sonora.       Sanuari.       6,499 90       9,537 23         Cármen.       " 4,648 73       3         Guijas.       " 2200 04       4         Haciendita.       " 3,250 03       9         Prietas.       965 44       3,255 03         Promontorio.       " 118,076 16       16         San Javier.       " 13,702 46         Santa Elena.       14,774 32       26,396 59         Soyopa. <th>tands talks</th> <th>Gold.</th> <th>Silver.</th>	tands talks	Gold.	Silver.
Pánuco.       1,100       89       19,798       77         La Rastra.       " " 337       51         San Darío.       " " 1,208       28         San Ignacio.       " " 477       87         San José de Gracia.       440       43       224       02         San José de las Bocas.       " " 558       71         San Lorenzo.       472       54       72,198       84         Santa Cruz.       " " 13,479       89         Santiago.       78       59       1,038       62         Sinaloa.       259       85       6,405       51         Yedras.       " " 172,430       98         Culiacan       " " 22,812       63         Other Districts.       274       14       3       36         State of Sonora.       \$ 8,355       75       \$ 450,160       51         State of Sonora.       \$ 8,355       75       \$ 450,160       51         State of Sonora.       \$ 8,355       75       \$ 450,160       51         State of Sonora.       \$ 8,355       75       \$ 450,160       51         State of Sonora.       \$ 8,355       75       \$ 450,160       51	Brought forward \$	5,729 31	\$ 137,006 43
La Rastra		1,100 89	19,798 77
Sapuri       "       337 51         San Darío       "       1,208 28         San Ignacio       "       477 87         San José de Gracia       440 43       224 02         San José de las Bocas       "       558 71         San Lorenzo       472 54       72,198 84         Santa Cruz       "       13,479 89         Santiago       78 59       1,038 62         Sinaloa       259 85       6,405 51         Yedras       "       172,430 98         Culiacan       "       261 61         Old coin       "       22,812 63         Other Districts       274 14       3 36         *       8,355 75       \$ 450,160 51         State of Sonora       *       *         Aduana       *       "       58,622 91         Barranca       "       221,975 72         Baucari       6,499 90       9,537 23         Cármen       "       4,648 73         Guijas       "       2,200 04         Haciendita       "       4,161 39         Prietas       965 44       3,255 03         Promontorio       "       "       118,076 16		"	1,887 48
San Darío       " " 477 87         San Ignacio       " " 477 87         San José de Gracia       440 43       224 02         San José de las Bocas       " " 558 71         San Lorenzo       472 54       72,198 84         Santa Cruz       " " 13,479 89         Santiago       78 59       1,038 62         Sinaloa       259 85       6,405 51         Yedras       " " 261 61         Old coin       " " 22,812 63         Other Districts       274 14       3 36         * 8,355 75       \$ 450,160 51         State of Sonora       * " 58,622 91         Baucari       6,499 90       9,537 23         Cármen       " 4,648 73         Guijas       " 2,200 04         Haciendita       " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " 118,076 16         San Javier       " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " 7,020 14		,, ,,	337 51
San Ignacio       " " 477 87         San José de Gracia       440 43       224 02         San José de las Bocas       " " 558 71         San Lorenzo       472 54       72,198 84         Santa Cruz       " " 13,479 89         Santiago       78 59       1,038 62         Sinaloa       259 85       6,405 51         Yedras       " " 261 61         Old coin       " " 22,812 63         Other Districts       274 14       3 36         ** 8,355 75       \$ 450,160 51         State of Sonora       * " 58,622 91         Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " 4,648 73         Guijas       " 2,200 04         Haciendita       " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " 118,076 16         San Javier       " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " 7,020 14		,, ,,	1,208 28
San José de las Bocas.       " 558 71         San Lorenzo.       472 54       72,198 84         Santa Cruz.       " 13,479 89         Santiago.       78 59       1,038 62         Sinaloa.       259 85       6,405 51         Yedras.       " 172,430 98         Culiacan       " 22,812 63         Other Districts.       274 14       3 36         State of Sonora.         Aduana       \$ 3,355 75       \$ 450,160 51         State of Sonora.         Aduana       \$ " 58,622 91         Barranca       " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " 4,648 73         Guijas       " 2,200 04         Haciendita       " 3,250 03         Prietas       965 44       3,255 03         Promontorio       " 118,076 16         San Javier       " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " 77,020 14         Old coin       " 3,185 43		"	477 87
San Lorenzo.       472 54       72,198 84         Santa Cruz.       " 13,479 89         Santiago.       78 59       1,038 62         Sinaloa.       259 85       6,405 51         Yedras	San José de Gracia	440 43	224 02
Santa Cruz.       " " 13,479 89         Santiago.       78 59       1,038 62         Sinaloa.       259 85       6,405 51         Yedras	San José de las Bocas	""	558 71
Santiago       78 59       1,038 62         Sinaloa       259 85       6,405 51         Yedras       " 172,430 98         Culiacan       " 261 61         Old coin       " 22,812 63         Other Districts       274 14       3 36         \$ 8,355 75       \$ 450,160 51         State of Sonora       * " 58,622 91         Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 77,020 14         Old coin       " " 3,185 43	San Lorenzo	472 54	72,198 84
Sinaloa       259 85       6,405 51         Yedras       " 172,430 98         Culiacan       " 261 61         Old coin       " 22,812 63         Other Districts       274 14       3 36         * 8,355 75       \$ 450,160 51         State of Sonora.       * " 58,622 91         Barranca       " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " 4,648 73         Guijas       " 2,200 04         Haciendita       " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " 118,076 16         San Javier       " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " 77,020 14         Old coin       " 3,185 43	Santa Cruz	- " "	13,479 89
Yedras	Santiago	78 59	1,038 62
Culiacan       " " 22,812 63         Other Districts       274 14       3 36         ** 8,355 75       * 450,160 51         State of Sonora       * " 58,622 91         Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 71,569 15         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43	Sinaloa	259 85	6,405 51
Old coin	Yedras	" "	172,430 98
Other Districts.       274 14       3 36         \$ 8,355 75       \$ 450,160 51         State of Sonora.       \$ " " 58,622 91         Barranca.       " " 221,975 72         Baucari.       6,499 90       9,537 23         Cármen.       " " 4,648 73         Guijas.       " " 2,200 04         Haciendita.       " " 4,161 39         Prietas.       965 44       3,255 03         Promontorio.       " " 118,076 16         San Javier.       " " 13,702 46         Santa Elena.       14,774 32       26,396 59         Soyopa.       " 2,492 22         Trinidad.       10 23       169,113 79         Velera.       " " 2,606 38         Yeso.       " " 71,569 15         Zubiate       " " 71,569 15         City of Hermosillo.       287 62       77,020 14         Old coin.       " " 3,185 43	Culiacan	" "	261 61
\$ 8,355 75 \$ 450,160 51  State of Sonora.  Aduana	Old coin	n n	22,812 63
State of Sonora.         Aduana       \$ " " 58,622 91         Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43	Other Districts	274 14	3 36
State of Sonora.         Aduana       \$ " " 58,622 91         Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43	Sum to remind	8 355 75	\$ 450 160 51
Aduana       \$       "       58,622       91         Barranca       "       "       221,975       72         Baucari       6,499       90       9,537       23         Cármen       "       4,648       73         Guijas       "       2,200       04         Haciendita       "       4,161       39         Prietas       965       44       3,255       03         Promontorio       "       118,076       16         San Javier       "       13,702       46         Santa Elena       14,774       32       26,396       59         Soyopa       "       2,492       22         Trinidad       10       23       169,113       79         Velera       "       2,606       38         Yeso       "       71,569       15         Zubiate       "       1,965       19         City of Hermosillo       287       62       77,020       14         Old coin       "       3,185       43		0,000 10	and make to state
Barranca       " " 221,975 72         Baucari       6,499 90       9,537 23         Cármen       " " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 71,569 15         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43			58 622 91
Baucari       6,499 90       9,537 23         Cármen       " " 4,648 73         Guijas       " " 2,200 04         Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 71,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43		THE PARTY OF	
Cármen.       " " 4,648 73         Guijas.       " " 2,200 04         Haciendita.       " " 4,161 39         Prietas.       965 44       3,255 03         Promontorio.       " " 118,076 16         San Javier.       " " 13,702 46         Santa Elena.       14,774 32       26,396 59         Soyopa.       " " 2,492 22         Trinidad.       10 23       169,113 79         Velera.       " " 2,606 38         Yeso.       " " 71,569 15         Zubiate.       " " 1,965 19         City of Hermosillo.       287 62       77,020 14         Old coin.       " " 3,185 43			DAY AND DESCRIPTION OF THE PARTY OF THE PART
Guijas.       " " 2,200 04         Haciendita.       " " 4,161 39         Prietas.       965 44       3,255 03         Promontorio.       " " 118,076 16         San Javier.       " " 13,702 46         Santa Elena.       14,774 32       26,396 59         Soyopa.       " " 2,492 22         Trinidad.       10 23       169,113 79         Velera.       " " 2,606 38         Yeso.       " " 71,569 15         Zubiate.       " " 1,965 19         City of Hermosillo.       287 62       77,020 14         Old coin.       " " 3,185 43			A STATE OF THE PARTY OF THE PAR
Haciendita       " " 4,161 39         Prietas       965 44       3,255 03         Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43			The second secon
Prietas       965 44       3,255 03         Promontorio       " 118,076 16         San Javier       " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " 2,492 22         Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43			AND RESIDENCE OF THE PARTY OF T
Promontorio       " " 118,076 16         San Javier       " " 13,702 46         Santa Elena       14,774 32       26,396 59         Soyopa       " " 2,492 22         Trinidad       10 23       169,113 79         Velera       " " 2,606 38         Yeso       " " 71,569 15         Zubiate       " " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43		A CONTRACTOR OF THE PARTY OF TH	CONTRACTOR STATE OF THE STATE O
San Javier.       " " 13,702 46         Santa Elena.       14,774 32       26,396 59         Soyopa.       " " 2,492 22         Trinidad.       10 23       169,113 79         Velera.       " " 2,606 38         Yeso.       " " 71,569 15         Zubiate.       " " 1,965 19         City of Hermosillo.       287 62       77,020 14         Old coin.       " " 3,185 43			
Santa Elena.       14,774 32       26,396 59         Soyopa.       " " 2,492 22         Trinidad.       10 23       169,113 79         Velera.       " " 2,606 38         Yeso.       " " 71,569 15         Zubiate.       " " 1,965 19         City of Hermosillo.       287 62       77,020 14         Old coin.       " " 3,185 43			AND REAL PROPERTY AND ADDRESS OF THE PARTY O
Soyopa			
Trinidad       10 23       169,113 79         Velera       " 2,606 38         Yeso       " 71,569 15         Zubiate       " 1,965 19         City of Hermosillo       287 62       77,020 14         Old coin       " 3,185 43			CAMP STREET, SAN ELECTRICAL PROPERTY AND ADDRESS.
Velera	THE RESIDENCE OF THE PARTY OF T	A A A A A A A A A A A A A A A A A A A	THE R. LEWIS CO., LANSING, MICH. LAN
Yeso		A APPLICATION OF THE PERSON OF	
Zubiate       1,965-19         City of Hermosillo       287-62       77,020-14         Old coin       " " 3,185-43			A SHARE THE RESERVE OF THE PERSON OF THE PER
City of Hermosillo       287 62       77,020 14         Old coin       " " 3,185 43	· 三种 (1000) (1000) (1000) (1000) (1000) (1000)		1,965 19
Old coin		287 62	77,020 14
\$ 22,537 51 \$ 790,957 56	THE RESERVE AND ASSESSMENT OF THE PARTY OF T	)) ))	3,185 43
\$ 22,001 01 \$ 100,001 00	05 000 TEL W 10 0577	99 537 51	\$ 790 957 56
	•	22,001 01	Q 100,001 00

Lower California.		Gold.	Silver.
Territory in general	\$	332 70	1 21
Tepic.			
Jora Viejo	\$	,, ,,	2,575 25
Yesca		2,213 34	154,301 60
Zopilote		""	207,205 70
	\$	2,213 34	\$ 364,082 55
State of Zacatecas.		•	
The state of the s		0.010.01	125 270 05
Chalchihuites		8,918 01 134 50	135,379 95 228,342 40
Fresnillo			97,014 92
Jerez		157,263 86	916 78
Juchipila		60,244 13	67,053 75
Mazapil Mezquital del Oro		13,721 75	" "
Minillas			3,137 93
Nieves		10/A/100 " "	7,259 90
Noria de Angeles		1,585 66	13,359 91
Ojo Caliente		OUT AN TERREBUT	73,255 24
Pánuco		no on " "	43,495 62
Pinos		32,946 65	108,957 67
Sombrerete		597 20	71,980 18
Tlaltenango		no rok o n n	8,082 45
Veta Grande		AND THE REAL PROPERTY OF THE PARTY OF THE PA	289,087 46
. Villanueva		39.858.94,,,	5,493 10
Zacatecas		67,530 81	2.680,941 94
City of Zacatecas		5,864 47	185,578 71
Banco Nacional		,, ,,	990 47
Other Districts		1,545 76	95,564 06
14716 00,4 1 100,500.8 2,507 7,50	\$	350,352 80	\$ 4.116,002 44
Total receipts of pr	e-	182,100,1881	SHAPE CONTROL TO THE SHAPE
cious metals in th	ne		
mints	\$	1.089,702 32	\$ 24.814,782 38

# Summary, showing the receipts of precious metals in the mints during the year 1890 and 1891 from all sources.

		Gold.		Silver.
Mint o	f Alamos \$	22,919	14	492,893 35
,,	Culiacan	15,389	16	812,522 20
"	Chihuahua	45,980	16	2,034,432 28
"	Durango	381	32	1.303,027 43
,,	Guadalajara	24,824	92	1.694,151 22
"	Guanajuato	379,783	87	4.209,509 02
,,	Hermosillo	16,027	38	577,246 45
,,	Mexico	245,378	43	8.066,544 73
"	Oaxaca	10,440	64	225,615 67
"	San Luis Potosi	"	"	1.379,899 77
. ,, 8	Zacatecas	328,577	30	4.018,940 29
	11 620,70,00	1.089,702	32	24,814,782 38

#### COINAGE.

Mexico Mint, established by Royal Decree on the 11 of May, 1535, fourteen years after the conquest of the country by the Spaniards. Inaugurated in 1537.

CLASSES OF COIN.	Gold.	Silver.	Total.
Macuquina [1537 - 1731]\$	8.497,950	752.067,457	760.565,407
Pillar coin [1732-1771]	19.889,014	441.629,211	461.518,225
Bust coin [1772 - 1821]	40.329,866	869.216,943	909.546,809
Total of colonial period * \$	68.716,830	2,062.913,611	2,131.630,441
Independence [1822-1891].		a lanolog	
CLASSES OF COIN.	Gold.	Silver.	Total.
Imperial Iturbide [1822-1823]	505,536	8.605,601	9.111,137
Eagle [Republican] [1824-91]	15.620,286	152.102,098	267.722,384
Total of Mexico Mint	84.904,233	2,342.968,356	2,427.872,581

<sup>\*</sup> Including \$10.699,308 silver recoined from 1754 to 1821.

#### Zacatecas Mint.

# Commenced work 14th. November 1810.

CLASSES OF COIN.	Gold.	Silver.	Total.
Colonial period [1810-1821].	,,	16.919,521	16.919,521
Independence [1822-1823]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6.497,609	6.497,609
Republic [1824-1891]	1.541,259	306.482,067	308.023,326
Total of Zacatecas Mint\$	1.541,259	329.899,197	331.440,456

# Guanajuato Mint.

Established in 1812 and closed in 1813, reopened in 1821 to provide the Insurgent Army with the necessary funds.

CLASSES OF COIN.	Gold.	Silver.	Total.
Colonial period, 1812, 1813	30		
and 1821	MAN CHANGE	602,575	602,575
Independence [1822-1823]	- O,	892,586	892,586
Republic [1824-1891]	20.834,385	267.201,936	289.531,482
Total of Guanajuato Mint.	20.834,385	268.697,097	288.036,321

# San Luis Potosí Mint.

#### Established in 1827.

CLASSES OF COIN.	Gold.	Silver.	Total.
Independence [1827-1891]	- ,,	108.283,675	108.283,675

# Guadalajara Mint.

# Established in 1812.

CLASSES OF COIN.	Gold.	Silver.	Total.
Colonial period [1812-1821]	61,581	2.058,388	2.119,969
Independence [1822-1823]	51,856	1.614,144	1.666,000
Do [1824-1891]	788,642	54.996,467	55.785,109
Total of Guadalajara Mint. \$	902,079	58.668,999	59.571,078

# Chihuahua Mint.

## Established in 1811.

CLASSES OF COIN.	Gold.	Silver.	Total.
Colonial period [1811-1814]	* -	3.603,660	3.603,660
Independence [1832-1891]	1.685,312	45.701,699	47.387,011
Total of Chihuahua Mint \$	1.685312	49.305,359	50.990,671

#### Durango Mint.

Durango Mint.				
Established in 1811.				
CLASSES OF COIN.	Gold.	Silver.	Total.	
Colonial period [1811-1821]	"	5.310,960	5.310,960	
Independence [1822-1823]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	965,629	965,629	
Do [1825-1891]	3.595,462	56.517,236	60.112,788	
Total of Durango Mint\$	3.595,462	62.793,915	66.389,377	
C	uliacan M	int.		
Commenced work in 1846	Stat ni tat			
CLASSES OF COIN.	Gold.	Silver.	Total.	
Independence [1846-1891]\$	5.832,288	35.033,921	40.866,209	
He	rmosillo M	Tint.		
C				
Commenced work in 1867		the offeren	ALMAS AND MARKET	
THE THE RELL COST TO SEE	Gold.	Silver:	Total.	
Indepeendnce [1867–1891]\$	508,394	13.388,615	13.897,009	
A	lamos Min	nt.		
Commenced work in 1868	. 4	2100 H		
CLASSES OF COIN.	Gold.	Silver.	Total.	
Independence [1868-1891]\$	562,199	19.078,386	19.640,585	
0	axaca Mi	nt design		
		A September 1		
Commenced work in 1859	185,50			
CLASSES OF COIN.	Gold.	Silver.	Total.	
Independence [1859-1891]\$	789,101	4.741,794	5.480,895	
Sombrerete Mint.				
Commenced work in 1810, closed in 1811, reopened in 1812 and				
finally closed within the same year.				
CLASSES OF COIN.	Gold.	Silver.	Totas.	

Colonial period [1810-1812]...\$

# Guadalupe y Calvo Mint.

Established in 1840 by decree of Congress. Commenced work in 1844, and closed in 1850.

CLASSES OF COIN.	Gold.	Silver.	Total.
Independence [1844-1850]\$	2.311,104	2.063,958	4.375,062

# Tlalpam Mint.

Established by decree of the Legislature of the State of Mexico in 1827; commenced work in 1828 and closed in 1830.

CLASSES OF COIN.	Gold.	Silver.	Total.
Independence [1828-1830]\$	203,544	959,116	1.162,660

# Catorce Mint.

In the report presented by the Secretary of Fomento for the year 1866, it appears that this mint coined during the year 1865, in silver. \$ 1.321,545.

#### GENERAL SUMMARY.

CLASSES OF COIN.	Gold.	Silver.	Total.
Colonial period [1537-1821] \$ 68	3.778,411	2,092.959,964	2,161.738,375
Independence [1822-1891] 54	1.779,368	1,186.448,172	1,241.227,540
Total \$ 125	3.557,779	3,279.408,136	3,402.965,915

#### SUMMARY BY CLASSES OF COIN.

CLASSES OF COIN.	Gold.	Silver.	Total.
1537-1731. Macuquina coin. \$	8.497,950	732.067,457	760.565,40
1732-1771. Pillar coin	19.889,014	441.629,211	461.518,22
1772-1821. Spanish Bust coin	40.391,447	899.263,296	939.654,74
1822-1821. Iturbide coin	557,392	18.575,569	19.132,96
1824-1891. Republican Ea-	Milliones!		· Brighton
gle coin	54.221,976	1,167.872,603	1,222.094,57
\$	123.557,779	3,279.408,136	3,402.965,91
	The second secon		

The last period includes the coinage during the Government of Maximilian.

The coinage of copper money amounts to \$ 6.749,405 as follows:

In the colonial period	99	542,893 6.206,512
	\$	6 749 405

The exportation of precious metals during the financial year of 1890-91, was as follows.

Silver ores\$	8.874,457	24
Foreign gold coin	20,594	
Mexican gold coin	134,219	
Gold bullion	612,619	
Foreign silver coin	229,806	
Mexican silver coin	17.622,171	
Silver mixed with gold	729,134	81
Silver bullion	6.751,219	07
Sulphurets of silver	1,280,768	97
Slag	1,382	
- Alastenance by the dat from the \$	36.256,372	16

## XII

### RAILROADS.

From data furnished by the Department of Communications and Public Works.

Amongst the important improvements which have been carried out in the Mexican Republic, Railroads have been considered as occupying the first place. Their initiation dates from the year 1837, when a concesion was granted to Don Francisco Arrillaga for the construction of a road which was to unite the Port of Veracruz with the Capital. The natural difficulties of this important work and the disturbed state of the country, prevented the immediate realization of this great undertaking, which was not finished until the first of January, 1873, when it was solemnly and officially opened to traffic.

## MEXICAN RAILROAD.

# [Standard gauge, Steam traction].

This road is of the greatest importance, not only on account of the engineering works that have been constructed, but also because it is the road that connects the capital with the first Port of the Country. The configuration of the country through which this railroad runs, presented very serious difficulties against its construction, but once that these were overcome, a line was located that offers to the traveller an opportunity of contemplating the most beautiful scenery of the country, and