

Наслов / Title	Година издања / Date of issue
Commissioner of Labor : 1886 : the first annual report	1886
Commissioner of Labor : 1886 : second annual report	1887
Commissioner of Labor : 1887	1888
Commissioner of Labor : 1888	1889
A Report on Marriage and Divorce in the United States : 1867 to 1886	1889
Commissioner of Labor : 1889	1890
Commissioner of Labor : 1890	1891
The Annual Statistician and Econonist : 1892	1892
Commissioner of Labor : 1891	1892
Commissioner of Labor : 1891 : Vol.II	1892
Commerce of the United States with European Countries from 1790 to 1890	1893
Commissioner of Labor : 1892	1893
Statesman' s year-book : 1893	1893
Annual report and Statements of the Chief of the Bureau of Statistics on the Foreign Commerce and Navigation, Immigration, and Tonnage of the United State : 1892	1893
Commissioner of Labor : 1893	1894
Statesman' s year-book : 1894	1894
The Statistician and Econonist : 1893-94	1895
Commissioner of Labor : 1894	1896
Commissioner of Labor : 1894	1896
Report on Population of the United States : 1890	1897
Commissioner of Labor : 1895-96	1897
Commissioner of Labor : 1898	1898
Commissioner of Labor : 1898 : Vol.II	1899
Commissioner of Labor : 1898 : Vol. I	1899
Commissioner of Labor : 1900	1900
Commissioner of Labor : 1899	1900

OF THE



COMMISSIONER OF LABOR,

MARCH, 1886.

INDUSTRIAL DEPRESSIONS.



BIBLIOTHE
DER LANDESREGIERUNG
STATISTISCHES DEPARTEMENT
SARAJEV

PONISTENO

WASHINGTON:
GOVERNMENT PRINTING OFFICE.

1886

12584 LAB

COST OF PRODUCTION—Continued.

NOTE.—The establishment numbers correspond to those in the table on page 295, Appendix A, showing number of employes and wages, except as noted below. See explanation of table, page 91.

COTTON GOODS—Concluded.

Amount of unit cost.					Per cent. of unit cost.				Establishment No.
Labor.	Materials.	Administration.	Other.	Total.	Labor.	Materials.	Administration.	Other.	
\$0.01151	\$0.04782	\$0.00059	\$0.00553	\$0.06545	17.56	73.08	.90	8.45	a630
.01186	.04917	.00061	.00569	.06733	17.61	73.03	.91	8.45	a630
.01752	.07263	.00090	.00840	.09945	17.62	73.04	.90	8.44	a630
.01402	.05811	.00072	.00672	.07957	17.62	73.03	.90	8.45	a630
.01561	.06490	.00080	.00750	.08881	17.58	73.08	.90	8.44	a630
.01770	.07336	.00091	.00848	.10045	17.63	73.03	.90	8.44	a630
.00683	.03706	-----	.00229	.04618	14.79	80.25	-----	4.96	a635
.00753	.03905	-----	.00241	.04899	15.37	79.71	-----	4.92	a635
.01162	.03755	.00077	.00283	.05277	22.02	71.16	1.46	5.36	a632
.00724	.03659	.00127	.00351	.04861	14.90	75.27	2.61	7.22	a633
.01567	.06500	.00080	.00752	.08899	17.61	73.04	.90	8.45	a630
.01887	.07793	.00096	.00902	.10678	17.67	72.98	.90	8.45	a630
.02128	.08821	.00109	.01020	.12078	17.62	73.03	.90	8.45	a630
.02350	.09745	.00121	.01127	.13343	17.61	73.03	.91	8.45	a630
.01330	.06020	.00320	.01690	.09360	14.21	64.31	3.42	18.06	212
.03340	.12450	.00250	.01750	.17790	18.78	69.98	1.40	9.84	213
.02309	.01948	-----	.00147	.04404	52.43	44.23	-----	3.24	222
.01438	.02480	-----	.00509	.04427	32.48	56.02	-----	11.50	228
.01355	.02115	.00110	.00123	.03703	36.59	57.11	2.97	3.33	235
b.00520	.03000	.00100	.00300	.03920	13.27	76.53	2.55	7.65	a643
.01280	.03620	.00140	.00290	.05330	24.02	67.92	2.62	5.44	241
.00840	.03460	.00120	.00250	.04670	18.00	74.09	2.56	5.35	239
.00897	.03523	-----	.00032	.04452	20.15	79.13	-----	.72	240
.01579	.03053	.00251	.00167	.05050	31.27	60.45	4.97	3.31	249
.02153	.01648	.00370	.00648	.04819	44.68	34.20	7.67	13.45	243
.01424	.07813	-----	.01339	.10576	13.46	73.88	-----	12.66	a629
.02720	.02540	-----	.00860	.06120	44.45	41.50	-----	14.05	209
.08470	.16400	-----	.03500	.28370	29.85	57.81	-----	12.34	195
.09500	.18000	-----	.02500	.30000	31.67	60.00	-----	8.33	223
.04171	.12160	.00131	.00143	.16605	25.12	73.24	.78	.86	226
.35571	.76555	-----	.06256	1.18382	30.05	64.67	-----	5.28	a644
.02674	.14700	-----	.03897	.21271	12.57	69.11	-----	18.32	a645
.02525	.13160	-----	.03050	.18735	13.48	70.24	-----	16.28	197
.02727	.14700	-----	.03449	.20876	13.06	70.42	-----	16.52	a646
.01943	.12320	.00110	-----	.14373	13.52	85.72	.76	-----	203
.01930	.13160	-----	.01261	.16351	11.81	80.48	-----	7.71	206
.02030	.11410	-----	.01300	.14740	13.77	77.41	-----	8.82	242
.01861	.11518	.00418	.00330	.14177	13.13	81.24	2.95	2.68	240
.02410	.13197	.00250	.01780	.17637	13.66	74.83	1.42	10.09	236

FOOD PREPARATION.^c

\$0.11000	\$4.20250	-----	\$0.52333	\$4.83583	2.28	86.90	-----	10.82	273
.19000	3.98000	-----	.45000	4.62000	4.11	86.16	-----	9.74	a647
.20000	4.02000	-----	.50000	4.72000	4.24	85.17	-----	10.59	a648
.25000	3.71250	-----	.45000	4.41250	5.66	84.14	-----	10.20	a649
.20000	4.01000	-----	.46000	4.67000	4.28	85.87	-----	9.85	a650

^cIn Ohio, Illinois, West Virginia, and Indiana the value of middlings, bran, etc., has been deducted from the material.

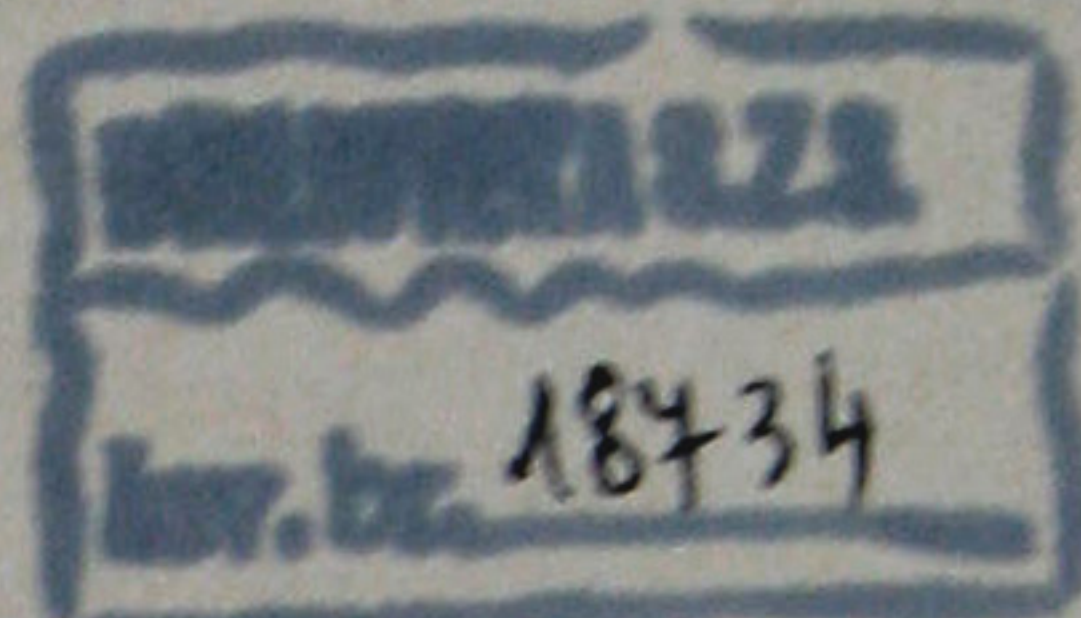
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PONTENO PONTENO

SECOND ANNUAL REPORT

OF THE



COMMISSIONER OF LABOR,



1886.

CONVICT LABOR.



BIBLIOTHEK
DER LANDESREGIERUNG
STATISTISCHES DEPARTMENT
SARAJEVO

inv. 520 Nat.
88 Y.

PONTENO

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1887.

TABLE I.—CONVICTS BY STATES, ETC.—Continued.

Employed in product- ive labor.			Engaged in prison duties.			Idle and sick.			Aggregate		
Male.	Fem.	Total	Male.	Fem.	Total.	Male.	Fem.	Total.	Male.	Female.	Total.
1, 251	23	1, 274	27	22	49	-----	-----	-----	1, 278	45	1, 323
21	-----	21	-----	-----	-----	-----	-----	-----	-----	-----	-----
579	18	597	-----	-----	-----	-----	-----	-----	-----	-----	-----
172	5	177	-----	-----	-----	-----	-----	-----	-----	-----	-----
479	-----	479	-----	-----	-----	-----	-----	-----	-----	-----	-----
1, 251	23	1, 274	27	22	49	-----	-----	-----	1, 278	45	1, 323
2, 609	42	2, 651	-----	-----	-----	-----	-----	-----	-----	-----	-----
241	-----	241	-----	-----	-----	-----	-----	-----	-----	-----	-----
35	-----	35	-----	-----	-----	-----	-----	-----	-----	-----	-----
60	-----	60	-----	-----	-----	-----	-----	-----	-----	-----	-----
1, 145	42	1, 187	-----	-----	-----	-----	-----	-----	-----	-----	-----
60	-----	60	-----	-----	-----	-----	-----	-----	-----	-----	-----
276	-----	276	248	3	251	-----	-----	-----	2, 877	45	2, 922
252	-----	252	-----	-----	-----	-----	-----	-----	-----	-----	-----
21	-----	21	-----	-----	-----	-----	-----	-----	-----	-----	-----
457	-----	457	-----	-----	-----	-----	-----	-----	-----	-----	-----
62	-----	62	-----	-----	-----	-----	-----	-----	-----	-----	-----
20	-----	20	-----	-----	-----	-----	-----	-----	-----	-----	-----
2, 629	42	2, 671	248	3	251	-----	-----	-----	2, 877	45	2, 922
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
65	-----	65	12	3	15	5	-----	5	82	3	85
69	-----	69	5	6	11	-----	-----	-----	74	6	80
50	-----	50	20	17	37	-----	-----	-----	70	17	87
184	-----	184	37	26	63	5	-----	5	226	26	252
751	57	808	205	11	216	-----	-----	-----	956	68	1, 024
44	-----	44	-----	-----	-----	-----	-----	-----	-----	-----	-----
211	-----	211	-----	-----	-----	-----	-----	-----	-----	-----	-----
402	57	459	-----	-----	-----	-----	-----	-----	-----	-----	-----
94	-----	94	-----	-----	-----	-----	-----	-----	-----	-----	-----
751	57	808	205	11	216	-----	-----	-----	956	68	1, 024
45	-----	45	30	-----	30	7	-----	7	82	-----	82
205	-----	205	35	6	41	15	-----	15	255	6	261
115	-----	115	-----	-----	-----	-----	-----	-----	-----	-----	-----
90	-----	90	-----	-----	-----	-----	-----	-----	-----	-----	-----
205	-----	205	35	6	41	15	-----	15	255	6	261
358	-----	358	74	13	87	16	-----	16	443	13	456
234	-----	234	66	-----	66	-----	-----	-----	300	-----	300
80	-----	80	-----	-----	-----	-----	-----	-----	-----	-----	-----
25	-----	25	-----	-----	-----	-----	-----	-----	-----	-----	-----
54	-----	54	-----	-----	-----	-----	-----	-----	-----	-----	-----
75	-----	75	-----	-----	-----	-----	-----	-----	-----	-----	-----
45	132	177	-----	-----	-----	-----	-----	-----	45	132	177
138	-----	138	50	9	59	19	-----	19	267	9	276
770	132	902	190	22	212	35	-----	35	965	154	1, 119

PONIŠTENNO

THIRD ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR,

1887.

STRIKES AND LOCKOUTS.

WASHINGTON:
GOVERNMENT PRINTING OFFICE,
1888.

12533 L

TABLE I.—STRIKES BY STATES, YEARS, AND INDUSTRIES—Continued.

ILLINOIS—Continued.

Ordered by labor organ- ization.	ESTABLISH- MENTS.		Begin- ning.	End.	Dura- tion (days).	Suc- ceeded.	EMPLOYÉS'—		Employ- ers' loss.	
	Num- ber.	Days closed.					Loss.	Assist- ance.		
Yes...	1	2	May 1	May 3, 1886	2	Partly	\$30			1028
Yes...	1	14	May 1	May 15, 1886	14	No...	4,500		\$1,000	1029
Yes...	1	12	May 1	May 13, 1886	12	No...	3,250		2,500	1030
Yes...	1	4	May 1	May 5, 1886	4	No...	700		1,500	1031
Yes...	1	2	May 1	May 3, 1886	2	Partly	122			1032
Yes...	1	2	May 1	May 3, 1886	2	Yes...	113			1033
Yes...	1	15	May 3	May 18, 1886	15	No...	676		300	1034
Yes...	1		May 3	May 17, 1886	14	No...	1,050		1,000	1035
Yes...	1	10	May 3	May 13, 1886	10	No...	360			1036
Yes...	1	14	May 3	May 17, 1886	14	No...	3,000		400	1037
Yes...	1	3	May 3	May 6, 1886	3	Yes...	1,068		1,000	1038
Yes...	1		May 4	May 6, 1886	2	Yes...	21		10	1039
Yes...	1		May 4	May 8, 1886	4	No...	160			1040
Yes...	1		May 4	May 18, 1886	14	No...	2,295		300	1041
Yes...	1	5	May 4	May 9, 1886	5	No...	2,125		10,000	1042
No...	1	4	May 5	May 9, 1886	4	Partly	222		200	1043
No...	1	21	May 5	May 26, 1886	21	No...	2,250			1044
Yes...	1	8	May 5	May 13, 1886	8	No...	4,753		5,000	1045
Yes...	1	10	May 6	May 16, 1886	10	No...	703		600	1046
Yes...	1	9	May 7	May 16, 1886	9	Yes...	528		500	1047
Yes...	1	14	May 8	May 22, 1886	14	No...	2,250		1,000	1048
Yes...	25	10	May 10	May 20, 1886	10	No...	9,574	\$649	15,350	1049
Yes...	1		May 10	May 24, 1886	14	Yes...	750		1,000	1050
Yes...	1	19	May 10	May 29, 1886	19	No...	1,440		1,500	1051
Yes...	1		May 10	May 17, 1886	7	No...	525			1052
Yes...	1		May 10	May 13, 1886	3	Yes...	168			1053
Yes...	1	7	May 10	May 17, 1886	7	Yes...	288		500	1054
Yes...	1	19	May 10	May 29, 1886	19	No...	720		500	1055
Yes...	1	7	May 12	May 19, 1886	7	No...	270		250	1056
Yes...	1	13	May 12	May 25, 1886	13	No...	842		2,000	1057
Yes...	1		May 24	May 31, 1886	7	No...	45			1058
Yes...	5	14	July 25	Aug. 8, 1886	14	Yes...	12,150	2,500	2,500	1059
Yes...	1		Sept. 8	Sept. 13, 1886	5	Yes...	372		85	1060
Yes...	1	94	Jan. 2	Apr. 6, 1886	94	No...	9,000		600	1061
Yes...	1	16	Jan. 31	Feb. 16, 1886	16	No...	600		25	1062
Yes...	1	14	Feb. 1	Feb. 15, 1886	14	No...	6,300		2,000	1063
Yes...	1		Feb. 1	Feb. 22, 1886	21	No...	4,680	200	500	1064
Yes...	1	10	Feb. 1	Feb. 11, 1886	10	Partly	2,430		1,000	1065
Yes...	1	13	Feb. 3	Feb. 16, 1886	13	No...	600		25	1066
No...	2		Feb. 18	Feb. 24, 1886	6	Yes...	1,380		3,000	1067
No...	22	22	Mar. 18	Apr. 9, 1886	22	Yes...	2,552		2,000	1068
No...	1	11	Apr. 1	Apr. 12, 1886	11	Yes...	1,350		500	1069
Yes...	1	7	Apr. 1	Apr. 8, 1886	7	No...	263		250	1070
Yes...	1	11	May 1	May 12, 1886	11	Yes...	5,250		1,500	1071
Yes...	1	14	May 1	May 15, 1886	14	Yes...	684		105	1072
No...	1	14	May 1	May 15, 1886	14	No...	420		500	1073
Yes...	1	14	May 1	May 15, 1886	14	No...	6,563		8,000	1074
Yes...	1	92	May 1	Aug. 1, 1886	92	No...	600		50	1075
Yes...	1	14	May 1	May 15, 1886	14	No...	4,420		3,000	1076
Yes...	1	30	May 1	May 31, 1886	30	No...	14,280	12,000	15,000	1077
Yes...	1	31	May 1	June 1, 1886	31	No...	1,215		1,000	1078
Yes...	1	27	May 14	June 10, 1886	27	No...	2,800	1,300	500	1079
Yes...	1	93	May 15	Aug. 16, 1886	93	Yes...	24,200		3,000	1080
Yes...	1	67	May 25	Aug. 1, 1886	67	No...	25,000	1,000	6,000	1081
Yes...	1	79	June 14	Sept. 1, 1886	79	No...	44,550	820	26,000	1082
No...	5	79	June 16	Sept. 3, 1886	79	No...	2,179		1,000	1083
Yes...	1	52	June 27	Aug. 18, 1886	52	Yes...				1084

POVIŠTENO FOURTH ANNUAL REPORT

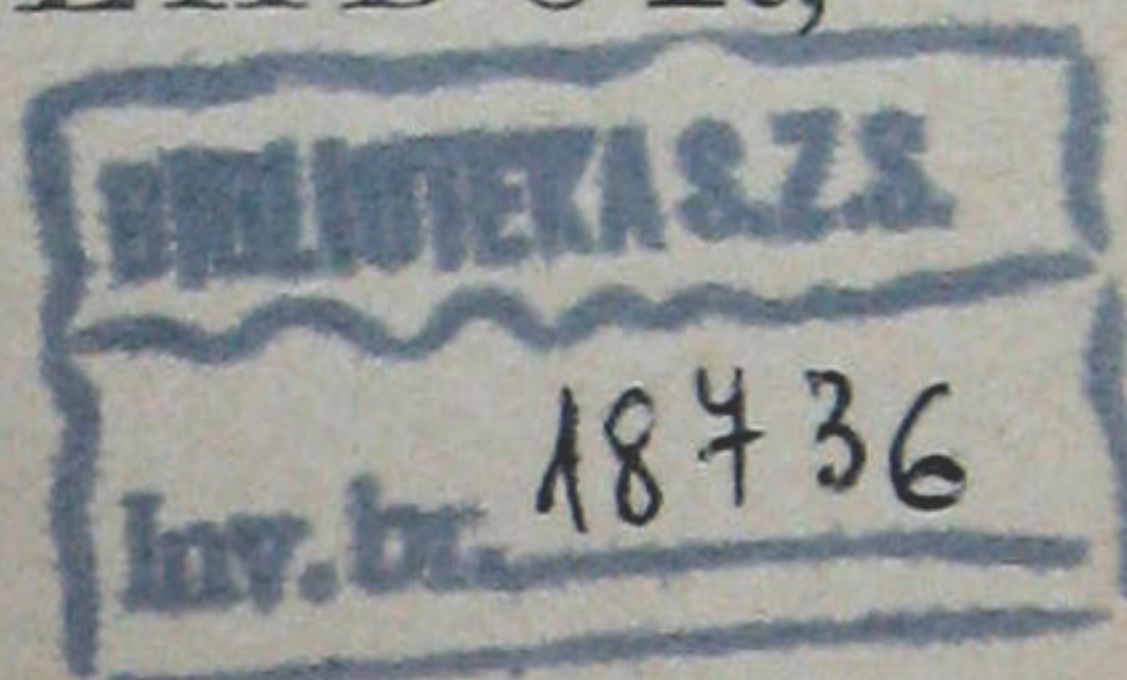
OF THE

COMMISSIONER OF LABOR,

1888.

WORKING WOMEN IN LARGE CITIES.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1889.



BIBLIOTHEK
DER LANDESREGIERUNG
STATISTISCHES DEPARTEMENT
SARAJEVO

POVIŠTENO
68.

TABLE L.—PRESENT AGE, BY INDUSTRIES—Continued.
SAINT LOUIS—Concluded.

PRESENT AGE.																	Total.	Average.	Yrs. Mos.
24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	Over 38.	Not given.			
1			1					1		1	3				f1		15	20	1
6	2	4	3		2	2	1	2	1	1		2			g7	1	83	23	6
					1						1				h1		12	22	0
			1														14	16	9
				1	1												1	22	0
																	3	26	4
																	6	18	8
				1		1											1	17	0
1		1															8	22	0
																	41	17	10
																	4	19	0
				1											d1		8	24	0
1	1	1		1	1	2		1		2	1		1	1	42		31	25	5
	1																18	18	0
			1														6	21	0
	1																7	18	10
1	3								1								22	20	4
																	6	20	4
																	5	15	10
	1																1	25	0
																	1	18	0
																	7	21	0
	1	2															22	18	0
1			1														8	20	0
																	15	18	2
		1	2		1		1								f1		20	19	1
																3	30	19	9
															k2		3	43	8
																	5	19	0
5	2								1						h1		26	21	2
1									1	1					m1		58	18	6
														1			9	19	9
1																	6	19	10
																	1	17	0
																	7	19	5
2	1																27	19	1
					2										n2		26	19	2
		1									1						5	23	0
			1		1	1											4	26	6
1		1				1											9	20	4
									1						o4		7	41	5
									1						p3		4	40	0
40	23	24	15	9	11	13	1	5	8	6	7	3	5	4	32	4	1,072	20	9

h1 at 50, i at 60. l at 65. m at 45. n1 at 29, i at 57. o1 at 46, i at 48, i at 50, i at 58. p1 at 49, i at 43, i at 44.

SAINT PAUL.

																	1	23	0	1
																	4	19	9	2
																	35	18	3	3
																	46	19	8	4
																	12	18	1	5
																	1	18	0	6
																	20	22	4	7
																	1	19	0	8
																	1	20	0	9
																	6	18	10	10
																	13	17	4	11
																	1	27	0	12
																	57	21	8	13
																	5	19	2	14
																	3	24	4	15
																	6	17	4	16
																	1	20	0	17
																	35	25	0	18
																	25	24	0	19
																	1	20	0	20

569
A166
PONISTENO
A REPORT

PONISTENO
18783
282

ON

MARRIAGE AND DIVORCE

IN THE

UNITED STATES,

1867 to 1886;

INCLUDING

AN APPENDIX RELATING TO MARRIAGE AND DIVORCE IN
CERTAIN COUNTRIES IN EUROPE.

BY

CARROLL D. WRIGHT,

COMMISSIONER OF LABOR.

FEBRUARY, 1889.

REVISED EDITION.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1891.

TABLE I.—MARRIAGES AND DIVORCES, 1867 TO 1886, BY COUNTIES—Cont'd.
IOWA—Concluded.

1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	Total.	
2	1	2	3			3		1	4	1	2	5	4	30	76
23	26	28	23	22	34	39	47	38	51	63	54	64	71	724	77
8	11	15	17	11	11	18	17	18	16	32	20	11	31	280	78
2	7	6	8	6	8	5	4	8	10	8	6	7	5	119	79
2	1	7	4	4	6	5	9	108	103	110	116	101	131	89	80
1	1		2	1	2	2	4	6	5	4	9	7	8	58	81
32	35	31	37	27	44	35	49	374	424	432	382	360	545	703	82
24	40	59	69	64	88	92	104	125	138	156	182	156	117	1,550	83
1	1	2	4	4	6	4	6	9	10	4	6	1	7	65	
2	1	1		4	1	2	1	1		2	4	7	5	33	84
9	7	7	5	11	5	2	5	11	15	9	15	7	6	132	85
165	148	183	198	185	178	182	162	193	198	195	199	169	174	3,352	86
5	13	10	10	6	12	12	17	18	14	11	11	12	16	197	
61	72	94	101	106	114	98	116	150	122	149	121	100	135	30	87
2		1	1	1	2	2	2	3	1	1	2	3	3		
78	86	113	88	110	108	118	118	168	156	178	150	200	157	2,150	88
2	1		2	3	3	6	9	11	23	11	8	4	9	101	
5	5	3	3	9	6	2	7	84	127	137	153	132	187	132	89
								12	6	6	8	7	6		
18	22	19	20	25	27	24	29	238	279	276	264	269	355	428	90
								39	33	27	15	28	30		
1	3	3	5	8	6	10	4	17	7	6	3	10	5	101	91
9	6	9	6	2	5	5	5	142	155	170	148	149	170	121	92
								3	8	8	11	3	8		
5	2	8	5	10	3	9	10	137	144	125	139	118	213	126	93
								6	7	7	5	10	10		
4	8	2	4	13	5	2	3	5	14	12	11	8	9	119	94
1	1	1	3		3	2	3	3	2	2		2	1	31	95
5	13	9	15	14	11	10	12	6	9	12	10	10	11	187	96
9	8	9	13	12	10	19	21	10	24	14	28	35	29	289	97
		3	1	3	3	1	2		5	2	2	1		25	98
2	3	1	4	2	3	5	2	2	3	3	14	8	8	68	99
709	662	675	846	854	842	854	1,001	1,063	1,150	1,043	1,164	1,119	1,127	16,564	

OF THE

COMMISSIONER OF LABOR.

1889.

RAILROAD LABOR.

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1890.

TABLE I.—CLASSIFIED TIME AND EARNINGS—Continued.

RAILROAD NO. 16 (GROUP II)—Continued.

OCCUPATIONS IN WHICH EARNINGS ARE RARELY ABOVE \$500—Continued.

[For explanation of column of actual daily earnings, etc., see prefatory note to this table, page 168.]

NUMBER EARNING THE AMOUNT STATED IN ONE YEAR.																				
25 dolls. and under	26 to 50 dolls.	51 to 75 dolls.	76 to 100 doll	101 to 125 doll	126 to 150 doll	151 to 175 doll	176 to 200 doll	201 to 225 doll	226 to 250 doll	251 to 275 doll	276 to 300 doll	301 to 325 doll	326 to 350 doll	351 to 375 doll	376 to 400 doll	401 to 425 doll	426 to 450 doll	451 to 475 doll	476 to 500 doll	501 doll and over
	1																			
1 64	34	34	32	40 1	30	20		1												
65	35	34	32	41	30	20		1												
43 24 57 2	10 3 55 6	2 6 23 2	1 4 21 2	2 6 9 2		8 14 10 2	7 4 2	1 7 2		1 6 3	1 3 3			4 8 1	1 2		1 1 1			
126	74	33	28	17	19	20	11	10	5	10	7	6	2	13	3	3				
	1																			
	1																			
1					1	4 1	4 2	1	1											
	1		1								1		1	2	1					
1	1		1		1	5	6	1	1		1		1	2	2					
								1												
			1																	
2			3	1			1		3	1	1	3	3	4	1					
9	9	8	3	6	1 6	1 10	8	5 1	4	7	4	6	3	8	11	28	1 7	5 1	2	
1		1	1 1												1 1 1	2 1 1		1	1	
12	9	9	9	8	7	11	9	7	7	8	5	9	6	12	14	32	11	6	3	1
		2																		
		1																		
		1		1																
		2			1															
		1						1												
		6	1	1	1			1												

a \$537.

b \$540.

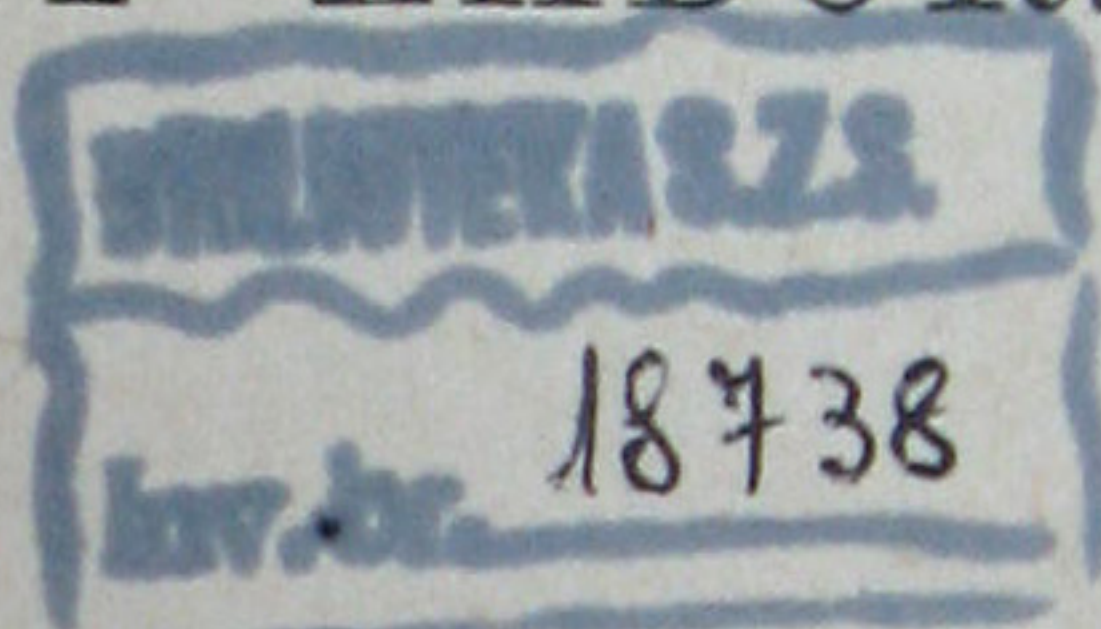
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SIXTH ANNUAL REPORT

PONISTENO

OF THE



COMMISSIONER OF LABOR.



1890.

COST OF PRODUCTION: IRON, STEEL, COAL, ETC.



BIBLIOTHEK
DER LANDESRREGIERUNG
STATISTISCHES DEPARTMENT
SARAJEVO

REVISED EDITION.

PONISTENO
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WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1891.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,000 POUNDS—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. This table is based on the preceding one, neglecting the last two columns; to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish. The reason for neglecting the column of deductions for value of screenings in a table of percentages is obvious.]

Es- tab- lish- ment num- ber.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Total.
	Miners.	Other.	Total.		Timber.	Other.		
132	72.64	15.02	87.66	3.88	3.08	4.88	.50	100
133	65.22	17.68	82.90	8.26		7.25	1.59	100
134			83.14	4.56	3.18	8.59	.53	100
135	64.32	19.82	84.14	12.51	.88	1.94	.53	100
136	50.81	26.75	77.56	2.88	5.18	14.38		100
137	69.15	25.89	95.04	2.33	1.86	.77		100
138	69.33	17.28	86.61	8.26	1.71	2.85	.57	100
139			91.28	2.35	2.35	3.91	.11	100
140	47.36	43.98	91.34	2.50	2.98	2.91	.27	100
141	63.57	27.89	91.46	1.14		7.40		100
142	67.48	17.81	85.29	5.67	2.70	6.07	.27	100
143	58.62	22.98	81.60	11.02	1.17	6.21		100
144	77.24	14.31	91.55	1.55	1.90	3.97	1.03	100
145	58.75	27.97	86.72	2.70	3.41	5.99	1.18	100
146	58.00	20.65	78.65	4.06	7.19	9.75	.35	100
147	32.40	43.46	75.86	2.83	4.73	11.08	5.50	100
148	33.89	48.32	82.21	3.26	2.74	5.26	6.53	100
149	39.33	42.37	81.70	1.16	2.31	8.73	6.10	100
150	33.24	45.67	78.91	4.20	1.34	9.47	6.08	100
151	42.71	41.21	83.92	4.09	3.02	4.59	4.38	100
152			69.57	2.91	16.67	8.84	2.01	100
153			69.47	6.20	14.31	8.91	1.11	100
154			68.82	5.46	16.32	8.22	1.18	100
155			71.05	3.97	12.22	11.36	1.40	100
156	25.04	52.94	77.98	1.99	11.69	7.15	1.19	100
157	25.74	34.26	60.00	2.77	18.51	11.49	7.23	100
158	28.85	40.97	69.82	3.75	8.59	11.45	6.39	100
159	34.59	36.49	71.08	.81	7.03	15.77	5.31	100
160	65.48	8.40	73.88	1.12	11.57	8.02	5.41	100
161			73.42	3.63	9.78	11.12	2.05	100
162			74.38	3.58	10.05	9.97	2.02	100
163			71.48	3.04	10.79	12.97	1.72	100
164			71.89	3.79	11.54	10.64	2.14	100
165			72.50	1.77	8.44	15.00	2.29	100
166	54.69	21.92	76.61	2.94	4.52	12.20	3.73	100
167			74.34	4.01	4.54	14.79	2.32	100
168	47.53	32.85	80.38	3.83	6.94	6.75	2.10	100
169			80.34	4.89	4.43	7.73	2.61	100
170	50.71	31.50	82.21	3.95	4.83	6.81	2.20	100
171			86.55	.73	6.26	6.46		100
172	41.42	41.02	82.44	3.59	4.49	9.48		100
173			79.63	2.94	5.87	9.54	2.02	100

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* * * * *
 "to know
 That which before us lies in daily life,
 Is the prime wisdom; What is more, is fume,
 Or emptiness, or fond impertinence;
 And renders us, in things that most concern,
 Unpractis'd, unprepar'd, and still to seek."
 —Milton's Adam to Angel.

SAN FRANCISCO
L. P. McCARTY
 AND NEW YORK
 1892

STATES AND TERRITORIES.	STATE.		Supreme Court	Rate of Taxation on \$100.	GROSS.		PUBLIC DEBT.
	Assembly- men.	Senators.			Receipts.	Expenditures.	
Alabama.....	100	33	5	0.40	\$ 1,617,385	\$ 1,774,007	\$ 9,543,000
Arkansas.....	100	32	5	0.50	1,000,000	970,000	5,000,000
California.....	80	40	7	0.446	8,231,449	7,928,816	2,642,000
Colorado.....	65	35	3	0.40	620,000	620,000	300,000
Connecticut.....	251	24	5	0.125	1,843,914	1,757,512	2,556,124
Delaware.....	21	9	4	no direct.	534,644	570,813	887,573
Florida.....	68	32	3	0.55	558,204	550,079	509,000
Georgia.....	175	44	3	* 0.40	* 3,979,694	* 2,131,793	‡ 8,406,305
Idaho.....	36	18	3	* 0.35	* 117,556	* 80,837	* 263,287
Illinois.....	153	51	7	* 0.36	3,500,000	3,000,000	none.
Indiana.....	100	50	5	0.35	5,184,822	4,881,819	8,826,145
Iowa.....	100	50	5	0.20	3,545,247	3,057,188	none.
Kansas.....	125	40	3	0.395	3,588,733	3,127,231	801,000
Kentucky.....	100	38	4	* 0.425	* 3,595,761	* 3,578,240	‡ 680,394
Louisiana.....	98	36	5	* 0.60	* 2,120,027	* 2,105,742	‡ 12,014,050
Maine.....	151	31	8	0.225	1,495,367	1,382,579	2,919,300
Maryland.....	91	26	8	0.1775	2,010,398	1,504,792	3,875,966
Massachusetts.....	240	40	7	1.45	18,792,999	18,956,570	27,937,460
Michigan.....	100	32	5	0.13	3,181,309	3,107,924	‡ 239,993
Minnesota.....	114	54	5	0.216	2,559,840	2,167,489	1,600,000
Mississippi.....	133	45	3	0.35	1,274,000	1,173,500	1,023,350
Missouri.....	140	34	7	0.30	2,583,919	4,762,848	7,373,000
Montana.....	55	16	3	0.25	354,086	610,096	none.
Nebraska.....	100	33	3	* 0.65	* 2,283,165	2,886,576	none.
Nevada.....	40	20	3	* 0.90	* 356,708	* 546,129	‡ 562,000
N. Hampshire.....	356	24	7	1.50	2,001,869	1,690,050	2,260,041
New Jersey.....	60	21	9	no direct.	4,414,527	4,503,238	996,300
New York.....	128	32	7	* 0.352	* 18,212,339	* 17,446,855	‡ 6,652,160
North Carolina...	120	50	5	* 0.25	* 938,405	* 1,015,203	‡ 7,611,600
North Dakota....	62	31	3	* 0.35	* 609,512	* 504,720	689,807
Ohio.....	107	31	5	0.27	6,235,338	5,832,751	2,541,655
Oregon.....	60	30	3	* 0.60	1,353,016	1,052,012	none.
Pennsylvania.....	204	50	7	* 0.30	* 8,625,919	* 8,168,861	‡ 13,743,165
Rhode Island.....	72	36	6	* 0.18	1,255,131	1,169,603	1,283,000
South Carolina...	124	36	3	0.45	1,073,753	1,023,792	6,406,606
South Dakota.....	124	45	3	0.24	* 660,000	* 610,000	860,200
Tennessee.....	99	33	5	0.30	1,500,000	1,500,000	13,000,000
Texas.....	106	31	3	0.15	3,336,437	2,167,498	4,237,730
Vermont.....	242	30	7	* 0.18	* 818,507	* 700,798	148,416
Virginia.....	100	40	5	0.40	2,902,424	2,491,177	31,192,874
Washington.....	78	34	5	0.30	1,051,139	1,331,583	300,000
West Virginia....	65	26	4	* 0.35	* 1,206,414	* 1,040,543	none.
Wisconsin.....	100	33	5	* 0.1514	* 3,742,936	* 3,585,535	none.
Wyoming.....	33	16	3	* 0.4125	* 213,155	* 164,623	* 320,000
Total States....	4,976	1,492	214		\$135,080,048	\$129,230,122	\$190,055,085
TERRITORIES.							
Alaska.....							
Arizona.....	24	† 12	4	0.80	* 280,000	* 268,000	* 723,159
Dist. of Col.....			6	† 1.50	6,079,454	5,845,033	19,500,300
Indian Ter.....							
New Mexico.....	24	† 12	5	0.86	* 274,327	178,679	866,433
Oklahoma.....	26	† 13	3	0.35			
Utah.....	24	† 12	4	* 0.20	* 523,794	* 523,794	* 450,000
Total Territories	98	49	22		\$7,157,575	\$6,815,506	\$21,539,892
Grand Total....	5,074	1,541	236		\$142,237,623	\$136,045,628	\$211,594,977

*For 1890. †Councilmen. ‡On city property; on agricultural land the rate is \$1.00. §Taken from the census bulletin of the Department of the Interior and express the respective bonded debt without deduction by sinking or other funds.

PONISTENO

SEVENTH ANNUAL REPORT

PONISTENO

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OF THE

18739

COMMISSIONER OF LABOR.

1891.

COST OF PRODUCTION: THE TEXTILES AND GLASS.

VOLUME I.

PART I.—COST OF PRODUCTION.

PART II.—WAGES: TIME AND EARNINGS.



BIBLIOTHEK
DER LANDESBIBLIOTHEK
STATISTISCHES DEPARTEMENT
SARAJEVO

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1892.

PONISTENO
08.

PART I.—COST OF PRODUCTION.

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TABLE I.—COST OF PRODUCTION OF COTTON TEXTILES AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

J.—SPINNING AND WEAVING.

[Establishments numbered 1 to 38, and 77 to 83 are in the northern district of the United States; those numbered 39 to 70, 89, and 90 are in the southern district of the United States; those numbered 71, and 91 to 93 are on the continent of Europe; and those numbered 72 to 76, and 94 to 99 are in Great Britain.]

Prod- uct num- ber.	Es- tab- lish- ment num- ber.	Spinning.								Weaving.	
		Warp.				Weft.				Picks per minute.	Yards per loom per day of ten hours.
		Num- ber of yarn.	Frame or mule.		Pounds per spin- dle per day of ten hours.	Num- ber of yarn.	Frame or mule.		Pounds per spin- dle per day of ten hours.		
			Which?	Aver- age spin- dles to each.			Which?	Aver- age spin- dles to each.			
1	68	16.25	Frame	160	.3930	18.25	Frame	160	.4030	154	64.00
2	43	20.00	Frame	144	.2865	20.00	Frame	144	.2865	148	41.67
3	96									160	17.66
4	19	44.00	Frame	224	.0914	62.00	Mule	736	.0583	150	16.70
5	80	36.00	(a)	(a)	.1524	50.00	(a)	(a)	.1080	150	17.79
6	57	30.00	Frame	204	(a)	40.00	Frame	204	(a)	164	30.72
7	47	16.00	Frame	208	(a)	16.00	Frame	192	(a)	140	40.81
8	47	16.00	Frame	208	(a)	16.00	Frame	192	(a)	140	29.39
9	67	14.00	Frame	230	.4167	14.00	Frame	230	.4167	142	35.90
10	64	22.00	(a)	(a)	(a)	22.00	(a)	(a)	(a)	140	(a)
11	13	5.00	Frame	208	1.1100	5.00	Frame	208	1.1100	130	56.87
12	92									180	53.94
13	91	31.00	(a)	(a)	(a)	42.00	(a)	(a)	(a)	215	54.33
14	92									180	53.94
15	92									180	46.60
16	92									180	50.00
17	92									180	44.35
18	91	16.00	(a)	(a)	(a)	21.00	(a)	(a)	(a)	215	54.33
19	92									180	44.35
20	92									180	57.21
21	92									180	53.94
22	92									180	53.89
23	92									170	26.20
24	92									170	19.68
25	92									170	27.31
26	92									180	44.35
27	92									165	40.65
28	92									160	39.44
29	92									156	23.15
30	92									160	74.07
31	92									140	34.49
32	92									130	32.04
33	92									130	19.44
34	92									160	33.53
35	92									120	33.33
36	85									124	16.00
37	85									124	18.00
38	79	11.00	(a)	(a)	.5000	10.00	(a)	(a)	.4000	160	48.00
39	47	16.00	Frame	208	(a)	16.00	Frame	192	(a)	170	43.94
40	85	20.00	(a)	(a)	.3100	12.00	(a)	(a)	.2286	124	45.00
41	85	20.00	(a)	(a)	.3100	12.00	(a)	(a)	.2286	124	40.00
42	57	23.00	Frame	204	(a)	12.50	Frame	204	(a)	164	53.33
43	58	20.00	Frame	208	.4806	13.00	Frame	208	.6522	150	50.72
44	59	20.00	Frame	204	.1964	14.00	Frame	204	.4327	160	46.97
45	64	22.00	(a)	(a)	(a)	11.00	(a)	(a)	(a)	140	(a)
46	49	13.60	Frame	160	.5000	7.00	Frame	144	1.0000	170	39.75
47	49	13.60	Frame	160	.5000	10.00	Frame	160	.6900	170	43.46
48	27	21.50	Frame	180	.2810	14.50	Mule	617	(a)	157	(a)
49	27	25.00	Frame	180	.2050	15.50	Mule	617	(a)	155	(a)
50	27	21.50	Frame	180	.2810	15.00	Both	(b)	(c)	145	(a)
51	27	21.50	Frame	180	.2810	14.50	Mule	617	(a)	145	(a)
52	27	21.50	Frame	180	.2810	11.80	Mule	617	(a)	155	(a)
53	27	25.00	Frame	180	.2050	8.75	Mule	617	(a)	155	(a)
54	27	21.50	Frame	180	.2810	8.50	Mule	617	(a)	155	(a)
55	27	19.00	Frame	180	.2790	5.50	Mule	617	(a)	155	(a)
56	27	19.00	Frame	180	.2790	8.42	Mule	617	(a)	155	(a)
57	27	19.00	Frame	180	.2790	2.90	Mule	617	(a)	155	(a)

a Not reported.
b Per frame, 180; per mule, 617.
c On frames, 0.4060; on mules, not reported.

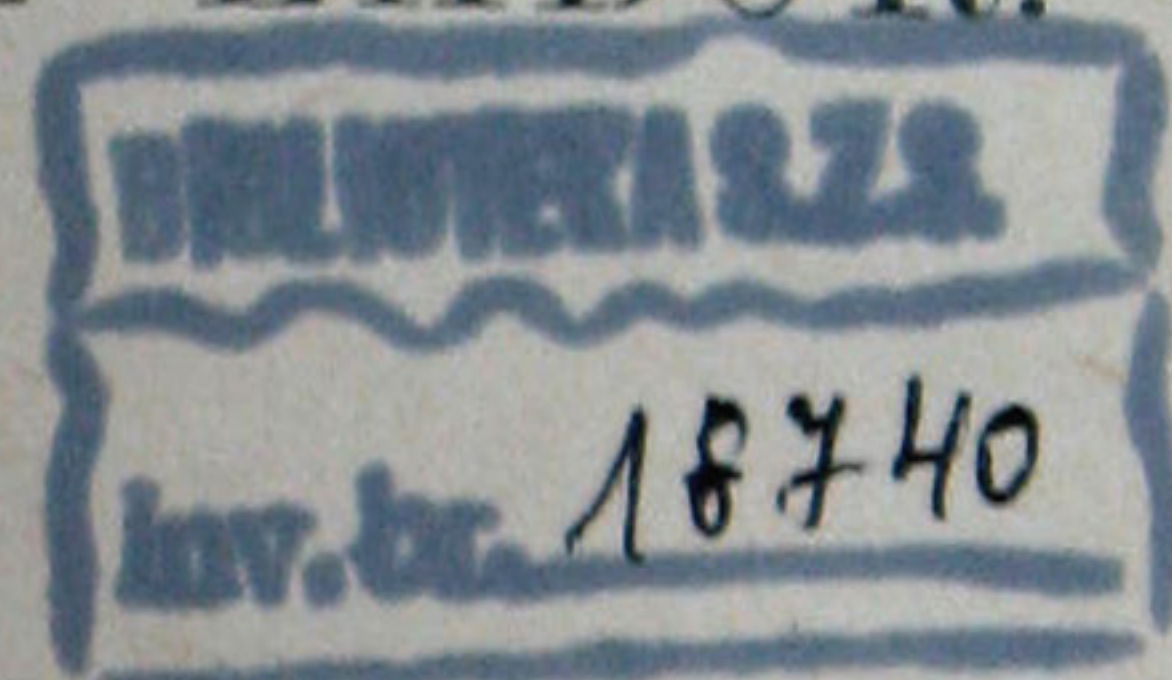
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SEVENTH ANNUAL REPORT 000285

PONIŠTEN



OF THE

COMMISSIONER OF LABOR.



1891.

COST OF PRODUCTION: THE TEXTILES AND GLASS.

VOLUME II.

PART III.—COST OF LIVING.



BIBLIOTHEK
DER LANDESREGIERUNG
STATISTISCHES DEPARTEMENT
SARAJEVO

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1892.

PART III.—COST OF LIVING.

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TABLE XVII.—COTTON: COST OF LIVING, BY FAMILIES—Continued.

C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total income.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
151	No.....	\$340.00					\$340.00
152	No.....	408.00					408.00
153	No.....	351.00		\$238.75		\$6.00	595.75
154	No.....	30.00		489.00			519.00
155	No.....	376.00		295.00			671.00
156	No.....	333.00		460.00			793.00
157	No.....	350.00				71.24	421.24
158	No.....	40.00		638.00			678.00
159	No.....	304.00				30.00	334.00
160	No.....	480.00					480.00
161	No.....	376.00		512.00			888.00
162	No.....	363.75			\$195.00		558.75
163	No.....	329.00					329.00
164	No.....	294.00	\$102.00				396.00
165	No.....	334.00					334.00
166	No.....	50.00		552.20		120.00	722.20
167	No.....	306.68		370.00	288.00		964.68
168	No.....	377.00	375.00		35.00		787.00
169	No.....	282.00		305.50		96.00	683.50
170	No.....			990.00	120.00		1,110.00
171	No.....	240.00		908.00	204.00		1,352.00
172	No.....	367.50		104.00	390.00		861.50
173	No.....	231.00		575.00	87.00		893.00
174	No.....	195.00		596.00			791.00
175	No.....	110.00		602.00			712.00
176	No.....	45.00		826.00			871.00
177	No.....	544.00					544.00
178	No.....	400.00					400.00
179	No.....	306.00	33.00			22.00	361.00
180	No.....	314.00		486.40			800.40
181	No.....	500.00	125.00				625.00
182	No.....	300.00				40.00	340.00
183	No.....	587.00		499.95			1,086.95
184	No.....			1,321.00	180.00		1,501.00
185	No.....			381.25			381.25
186	No.....		52.00	493.50			545.50
187	No.....	300.00					300.00
188	No.....	603.00		250.00			853.00
189	No.....	429.00	156.00	258.00			843.00
190	No.....	250.00		637.00			887.00
191	No.....	450.00					450.00
192	No.....	416.00					416.00
193	No.....	500.00		182.00			682.00
194	No.....	240.00	253.00			36.00	529.00
195	No.....	276.00	5.00				281.00
196	No.....	300.00		640.40			940.40
197	No.....	288.00		518.40			806.40
198	No.....	288.00		180.00			468.00
199	No.....	240.00					240.00
200	Yes.....	360.00		417.60			777.60
201	No.....	504.00					504.00
202	No.....	300.00					300.00
203	No.....	300.00		169.00		230.40	699.40
204	No.....	316.80		86.10			402.90
205	No.....	465.00					465.00
206	No.....	220.80		403.64			624.44
207	No.....	432.00		234.00			666.00
208	No.....	390.00					390.00
209	No.....	312.00					312.00
210	Yes.....	450.00		286.00			736.00
211	No.....	248.40	180.00				428.40
212	No.....	592.80		210.60			803.40
213	Yes.....	524.40					524.40
214	Yes.....	358.80		210.00			568.80
215	No.....	240.00	172.82				412.82
216	No.....	369.00					369.00
217	No.....	416.00		104.00	63.00		583.00
218	No.....	204.12		43.30			247.42
219	No.....	233.28				81.00	314.28
220	No.....	288.54				20.00	308.54
221	No.....	358.50					358.50
222	No.....	229.60	194.40				424.00
223	No.....	258.80					258.80
224	No.....	290.40			92.00		382.40
225	No.....	312.00			10.00		322.00

STATISTICAL TABLES

EXHIBITING THE

COMMERCE OF THE UNITED STATES

WITH

EUROPEAN COUNTRIES

FROM 1790 TO 1890.

PREPARED BY THE CHIEF OF THE BUREAU OF STATISTICS,
TREASURY DEPARTMENT.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.

1893.

IMPORTS AND EXPORTS OF FOREIGN MERCHANDISE.

81

IMPORTS FROM FRANCE—Continued.

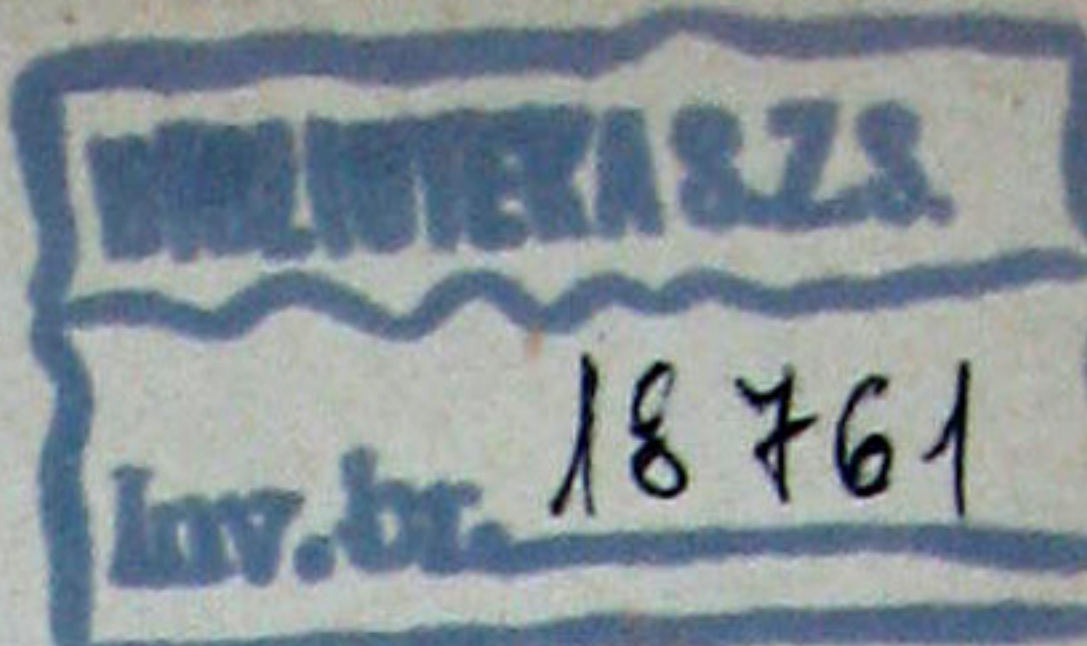
YEAR ENDING JUNE 30—	DUTIABLE.									
	COTTON, MANUFACTURES OF.				EARTHEN, STONE, AND CHINA WARE.			Feathers, natural, crude, dressed, colored, or manu- factured. (c)	Feathers and flowers, artificial. (d)	FISH.
	Laces, edg- ings, em- broideries, insertings, neck ruffling, ruchings, trimmings, tuckings, lace win- dow cur- tains, etc. a	Thread (not on spools), yarns warps, or warp yarn. a	All other.	China, porce- lain, parian and bisque, earthen, stone, and crockery ware.		All other. (b)	Cured or pre- served.			
				Not deco- rated or orna- mented.	Deco- rated or orna- mented.					Ancho- vies and sardines, packed in oil or other- wise.
	Dollars.	Lbs.	Dolls.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
1871.....				532,764			482,567	681,834		
1872.....				1,652,617			650,300	1,196,042	252,612	
1873.....				726,106			810,831	932,911	617,359	
1874.....				1,908,155			622,046	1,665,028	864,052	
1875.....				2,224,866			622,705	2,659,927	445,022	
1876.....				2,105,520			638,728	1,941,921	498,864	
1877.....				1,967,788			544,320	1,784,970	685,164	
1878.....				1,718,700			531,383	1,576,518	587,834	
1879.....				2,692,179			607,172	1,410,093	796,706	
1880.....				3,595,283			850,907	1,930,579	786,890	
1881.....				4,887,403			954,010	2,307,326	834,213	
1882.....				6,364,755			1,145,112	2,393,062	796,839	
1883.....				8,246,295			1,382,046	2,075,529	683,467	
1884.....	810,622	17,290	24,624	816,917	195,820	627,248	19,553	659,392	697,520	946,098
1885.....	770,902	19,400	31,453	657,102	151,795	449,755	15,805	490,130	338,944	489,553
1886.....	874,652	21,931	30,763	844,515	128,813	404,122	14,603	662,717	415,282	708,840
1887.....	777,104	26,532	36,763	900,300	155,787	502,154	13,401	591,135	357,523	619,801
1888.....	923,810	28,818	35,252	895,997	151,098	563,388	12,993	449,708	401,435	792,820
1889.....	995,058	28,469	31,515	769,867	160,336	554,077	19,341	215,461	859,061	699,121
1890.....	843,484	38,152	34,200	778,346	207,789	744,904	13,222	519,275	872,930	625,109

EXPORT OF FOREIGN MERCHANDISE TO FRANCE—Continued.

1871.....						211	22
1872.....						845	4,275
1873.....				8,218		1,500	2,454
1874.....				511		670	39,475
1875.....				6,946		6,010	5,799
1876.....				11,611		100	1,823
1877.....				11,309			12,260
1878.....				1,577		718	4,314
1879.....				4,712			27,035
1880.....				2,481			18,627
1881.....				3,609			2,489
1882.....				5,330		779	5,772
1883.....				119		468	218
1884.....	1,292			4,999	3,348	326	2,823
1885.....	2,806			371	583		2,083
1886.....	5,424			1,787	48	7,468	22,900
1887.....	6,486	405	148	1,405	230		6,076
1888.....	550			4,801	100	49	8,917
1889.....	1,942			1,474	15	7	600
1890.....				2,883			739

a Included in "All other manufactures of cotton" prior to 1884.
b Includes "China, etc.," prior to 1884.
c Included in "Feathers and flowers, artificial," prior to 1884.
d Embraces the class "Fancy goods" prior to 1884.

14
PONIŠTENO
EIGHTH ANNUAL REPORT



PONIŠTENO



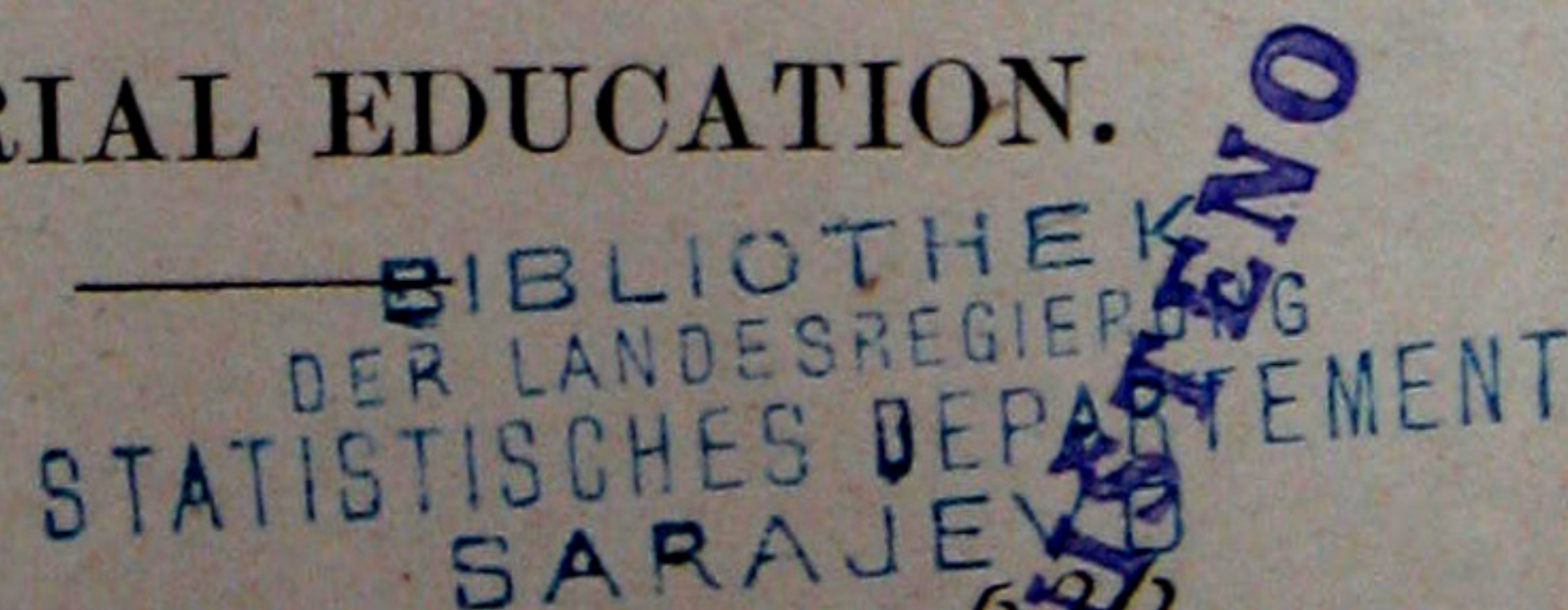
OF THE

COMMISSIONER OF LABOR.

1892.



INDUSTRIAL EDUCATION.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1893.

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REPORT OF THE COMMISSIONER OF LABOR.

INSTITUTES OF TECHNOLOGY.

RENSSELAER POLYTECHNIC INSTITUTE.

"Technological education in the United States," remarks Prof. Tyler, in the Forum article before referred to, "may be said to date from the founding of the Rensselaer Polytechnic Institute at Troy, New York, in 1824. Stephen Van Rensselaer, its founder, as a member of the state board of canal commissioners, had been actively interested in the construction of the Erie canal.

"Engineering as a profession was unknown; men were educated by the work, not for it. The object of the new institution was the general dissemination of that moderate amount of scientific knowledge which its founder recognized as indispensable to the community. Although conducted at one time as a general polytechnic school, the institute has been from its foundation primarily a civil engineering school, interpreting civil engineering, however, in a sense almost as broad as that which once excluded only military engineering."

The faculty consists of eighteen professors and instructors. The course of study in civil engineering is now the only course of the institute. All the regular members of the institute pursue this course, and the degree conferred is that of civil engineer. It should be stated, perhaps, that civil engineering is understood to include mechanical or dynamical engineering, road engineering, bridge engineering, hydraulic engineering, steam engineering, electrical engineering, mining engineering, and sanitary engineering.

The studies of the course are designed to secure to all the graduates a professional preparation at once thorough and practical. The course of study occupies four years. The number of students in 1890 was 174.

About 1,000 students have been graduated from the institute, including the membership of all the classes from 1826 to 1889. Of these nearly all have followed some branch of engineering as a profession, though a very few are registered as lawyers, professors, etc.

Nothing need be said of the thoroughness of the equipment which the training of this institute supplies; its graduates, from Roebling down, are the best exponents of the school, and attest the value of its instruction.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

The Massachusetts Institute of Technology at Boston was chartered by the state legislature April 10, 1861, and opened in February 1865. This institution receives one-third of the income accruing to Massachusetts from the land-grant fund.

There are twelve regular four years' courses of study, each leading to the degree of bachelor of science, viz., civil engineering, chemical engi-

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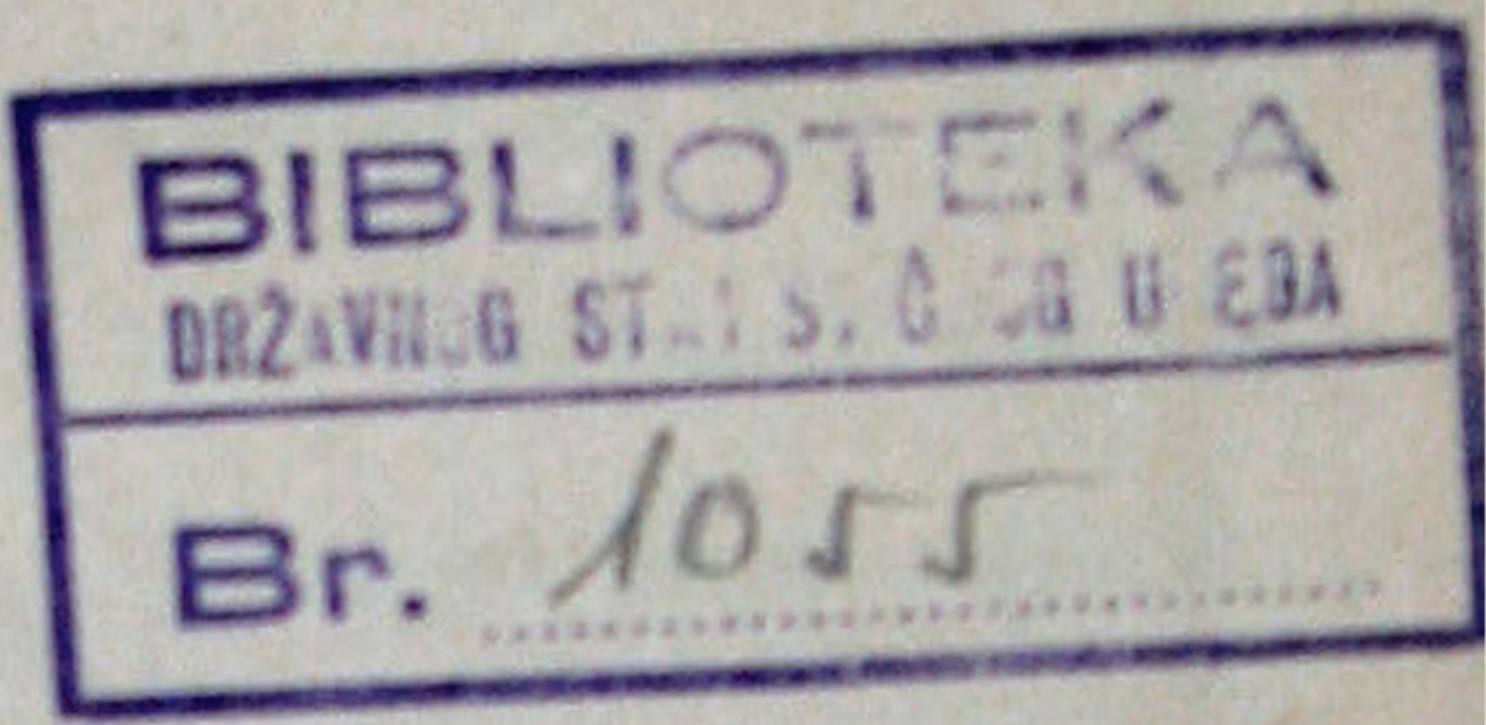
STATESMAN'S YEAR-BOOK

33

STATISTICAL AND HISTORICAL ANNUAL OF
THE STATES OF THE WORLD
FOR THE YEAR



1893



J. SCOTT KELTIE

ASSISTANT SECRETARY TO THE ROYAL GEOGRAPHICAL SOCIETY

THIRTIETH ANNUAL PUBLICATION

REVISED AFTER OFFICIAL RETURNS

London
MACMILLAN AND CO.
AND NEW YORK
1893

AREA AND POPULATION

379

The census returns for 1880 according to occupation are tabulated as follows:—

	Males	Females	Total
Mining and metal industries . . .	226,759	17,549	244,308
Industries connected with vegetable products . . .	199,333	37,411	236,744
Industries connected with animal products . . .	40,401	24,595	64,996
Mixed industries . . .	227,553	179,346	406,899
Commerce . . .	143,229	101,018	244,247
Professions and official occupations . . .	457,042	192,114	649,156
Various occupations and independent . . .	504,584	409,257	913,841
Total . . .	1,798,901	961,290	2,760,191
Without profession or status . . .	1,010,072	1,824,913	2,834,985
Grand total . . .	2,808,973	2,786,203	5,595,176

The difference between the above total and that of the population of 1880 is no doubt accounted for by the fact that many persons are entered under more than one head. It is estimated that about 800,000 people are directly engaged in agricultural pursuits.

The following table gives the number of births, deaths, and marriages in each of the five years from 1886 to 1890:—

Year	Total Living Births	Still-born	Illegitimate (Living)	Illegitimate per 100 Births	Deaths	Marriages	Surplus of Births over Deaths
1886	175,091	8,640	15,178	8.67	124,904	39,642	50,187
1887	175,466	8,717	15,449	8.80	115,296	42,491	60,170
1888	177,586	8,482	15,336	8.74	121,097	42,427	54,489
1889	177,542	8,410	15,603	8.77	119,726	43,759	57,816
1890	176,595	8,224	15,246	8.63	126,545	44,596	50,050

The following table shows the immigration and emigration of 1887-91:—

	1887	1888	1889	1890	1891
Immigration . . .	19,286	21,213	22,150	21,458	20,741
Emigration . . .	17,528	23,041	23,190	21,675	18,994
Excess of immigration . . .	1,758	-1,828	-1,040	-217	+1,747

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PONIŠTENÓ
TREASURY DEPARTMENT. PONIŠTENÓ

ANNUAL REPORT AND STATEMENTS

OF THE

CHIEF OF THE BUREAU OF STATISTICS

ON THE

FOREIGN COMMERCE AND NAVIGATION,

IMMIGRATION, AND TONNAGE

OF THE

UNITED STATES

FOR

THE YEAR ENDING JUNE 30, 1892.

BIBLIOTHEK
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WASHINGTON:

GOVERNMENT PRINTING OFFICE,

1893.

FOREIGN COMMERCE OF THE UNITED STATES. LXXV

VALUE OF IMPORTS OF FREE AND DUTIABLE MERCHANDISE INTO THE UNITED STATES DURING THE YEAR ENDING JUNE 30, 1892—Continued.

Countries.	Free of duty.	Dutiable.	Total.	Per cent of—	
				Free.	Dutiable.
NORTH AMERICA—continued.					
West Indies:	<i>Dollars.</i>	<i>Dollars.</i>	<i>Dollars.</i>		
British West Indies	11,897,999	542,133	12,440,132	95.64	4.36
Spanish West Indies	69,377,172	11,802,506	81,179,678	85.44	14.56
All other West Indies	5,894,681	91,814	5,986,495	98.47	1.53
Total North America	131,399,394	42,654,787	174,054,181	75.51	24.49
SOUTH AMERICA.					
Argentine Republic	3,921,623	1,422,175	5,343,798	73.40	26.60
Brazil	118,428,158	205,446	118,633,604	99.86	.14
Chile	3,179,638	307,521	3,487,159	91.18	8.82
Colombia	3,641,957	474,929	4,116,886	88.48	11.52
Ecuador	807,187	2,644	809,831	99.64	.36
Guianas	4,938,979	268	4,939,247	99.98	.02
Peru	555,959	35,341	591,300	94.07	5.93
Uruguay	1,883,927	596,669	2,480,596	75.96	24.04
Venezuela	9,174,816	1,150,522	10,325,338	88.84	11.16
Total South America	146,532,244	4,195,515	150,727,759	97.23	2.77
ASIA.					
China	15,936,431	4,551,860	20,488,291	77.74	22.26
East Indies:					
British	19,741,725	5,031,382	24,773,107	78.60	21.40
Dutch	6,856,585	58,158	6,914,743	99.17	.83
Hongkong	376,483	386,840	763,323	49.30	50.70
Japan	20,134,718	3,655,484	23,790,202	84.60	15.40
Korea	608	608	1,216	100.00	.....
Russia, Asiatic	319,901	266	320,167	99.97	.03
Turkey in Asia	1,374,013	1,524,820	2,898,833	47.38	52.62
All other countries in Asia	161,593	27,384	188,977	85.50	14.50
Total Asia	64,902,057	15,236,194	80,138,251	81.03	18.97
OCEANICA.					
British Australasia	4,441,496	4,050,810	8,492,306	52.31	47.69
French Possessions in Oceanica	248,979	7,242	256,221	97.65	2.35
Hawaiian Islands	8,062,076	13,806	8,075,882	99.83	.17
Philippine Islands	6,239,642	69,011	6,308,653	98.92	1.08
Total Oceanica	18,992,193	4,140,869	23,133,062	82.10	17.90
AFRICA.					
British Africa	545,141	271,456	816,597	66.76	33.24
Canary Islands	32,467	29,003	61,470	52.87	47.13
French Africa	356,253	274,452	630,705	56.54	43.46
Liberia	21,271	21,271	42,542	100.00	.....
Madagascar	252,650	252,650	505,300	100.00	.....
Turkey in Africa: Egypt and Tripoli	2,249,003	81,636	2,330,639	96.52	3.48
All other countries in Africa	1,199,426	5,294	1,204,720	99.62	.38
Total Africa	4,656,211	661,841	5,318,052	87.56	12.44

POWIŠTENO
NINTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1893.

BUILDING AND LOAN ASSOCIATIONS.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1894.

CHAPTER I.—GENERAL TABLES.

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TABLE I.—NAME, LOCALITY, AND DESCRIPTION OF ASSOCIATIONS—Cont'd.

GEORGIA—Concluded.

Local or national.	Permanent, terminating, or serial.	Shareholders.			Borrowers.	Shares in force.	Real estate loans.	Marginal number.
		Male.	Female.	Total.				
Local	Serial	(a)	(a)	73	46	500	(a)	1
Local	Serial	(a)	(a)	275	91	1,086½	(a)	2

IDAHO.

Local	Serial	85	58	143	47	1,600	(a)	3
Local	Permanent	38	7	45	12	478	(a)	4
Local	Serial	45	3	48	39	736	(a)	5
Local	Serial	103	6	109	30	958	(a)	6

ILLINOIS.

Local	Serial	102	26	128	25	823	25	7
Local	Serial	(a)	(a)	175	53	1,000	52	8
Local	Serial	92	21	113	18	1,077	18	9
Local	Permanent	174	110	284	136	3,054	(a)	10
Local	Serial	528	229	757	313	7,376	268	11
Local	Serial	617	229	846	302	8,895	297	12
Local	Serial	160	43	203	70	1,779	71	13
Local	Serial	81	18	99	17	922	17	14
Local	Serial	268	122	390	151	4,322	141	15
Local	Serial	(a)	(a)	446	187	4,641	199	16
Local	Serial	191	32	223	130	1,950	139	17
Local	Serial	180	70	250	66	1,343	60	18
Local	Serial	42	2	44	23	521	(a)	19
Local	Serial	129	46	175	86	1,487	(a)	20
Local	Serial	156	155	311	119	1,760	(a)	21
Local	Serial	(a)	(a)	366	200	4,600	(a)	22
Local	Serial	341	34	375	241	5,063	(a)	23
Local	Serial	90	17	107	38	868	(a)	24
Local	Serial	(a)	(a)	105	46	903	(a)	25

b Date of incorporation.

33 1

THE STATESMAN'S YEAR-BOOK

STATISTICAL AND HISTORICAL ANNUAL OF
THE STATES OF THE WORLD

FOR THE YEAR

1894



EDITED BY

J. SCOTT KELTIE

ASSISTANT SECRETARY TO THE ROYAL GEOGRAPHICAL SOCIETY

THIRTY-FIRST ANNUAL PUBLICATION

REVISED AFTER OFFICIAL RETURNS

London
MACMILLAN AND CO.

AND NEW YORK

1894

HONG KONG.

Constitution and Government.

THE Crown colony of Hong Kong, formerly an integral part of China, was ceded to Great Britain in January 1841; the cession was confirmed by the treaty of Nanking, in August 1842; and the charter bears date April 5, 1843. Hong Kong is the great centre for British commerce with China and Japan, and a military and naval station of first-class importance.

The administration of the colony is in the hands of a Governor, aided by an Executive Council, composed of the Colonial Secretary, the Officer Commanding the Troops, the Attorney-General, the Registrar-General, the Treasurer, and the Director of Public Works. There is also a Legislative Council, presided over by the Governor, and composed of the Colonial Secretary, the Attorney-General, the Treasurer, the Director of Public Works, the Harbour Master, the Registrar-General, and five unofficial members—viz. three nominated by the Crown (one of whom is a Chinese), one nominated by the Chamber of Commerce, and one by the Justices of the Peace.

Governor of Hong Kong.—Sir William Robinson, K.C.M.G., Lieutenant-Governor of the Bahamas, 1874; Governor, 1875; Lieutenant-Governor of Windward Islands, 1880; Governor, 1881; Governor of Trinidad, 1885. Appointed Governor of Hong Kong, 1891.

The Governor has a salary of 32,000 dollars per annum.

Area and Population.

Hong Kong is situated off the south-eastern coast of China, at the mouth of the Canton River, about 40 miles east of Macao, and 90 miles south of Canton. The whole of Hong Kong island forms an irregular and broken ridge, stretching nearly east and west about 11 miles, its breadth from 2 to 5 miles, and its area rather more than 29 square miles. It is separated from the mainland of China by a narrow strait, known as the Ly-ee-moon Pass, which does not exceed half a mile in width. The opposite peninsula of Kowloon, forming part of the mainland of China, was ceded to Great Britain by a treaty entered into in 1861 with the Government of China, and now forms part of Hong Kong. The city of Victoria extends for upwards of four miles along the southern shore of the beautiful harbour.

The population of Hong Kong, including the military and naval establishments, was as follows at the last census, taken in 1891:—

	Male	Female	Total
White	6,463	2,082	8,545
Coloured	151,122	61,774	212,896
Total	157,585	63,856	221,441

The total population in 1881 was 160,402; thus the increase in ten years was 61,039. The total white population in 1881 was 7,990, showing an increase during the ten years of 555. Of the coloured population in 1891,

THE

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ECONOMIST.

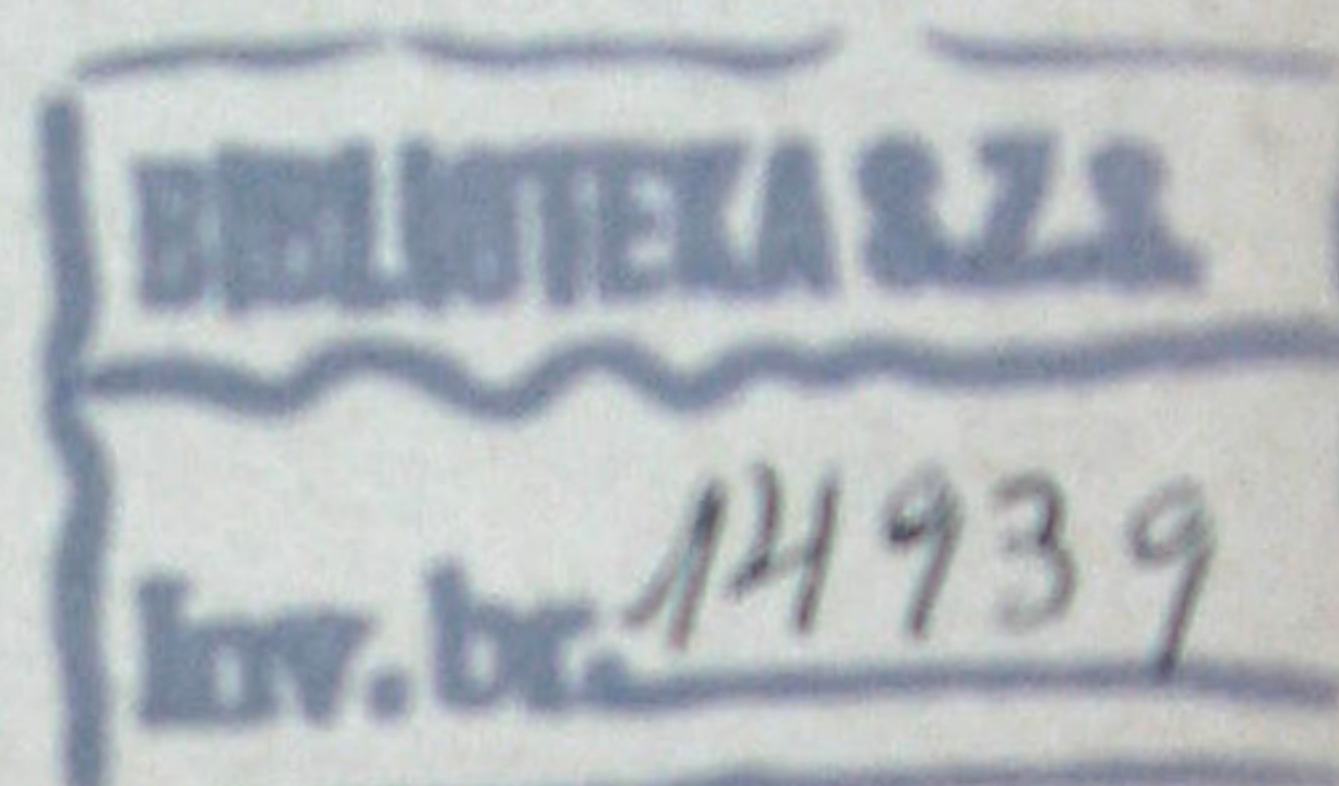
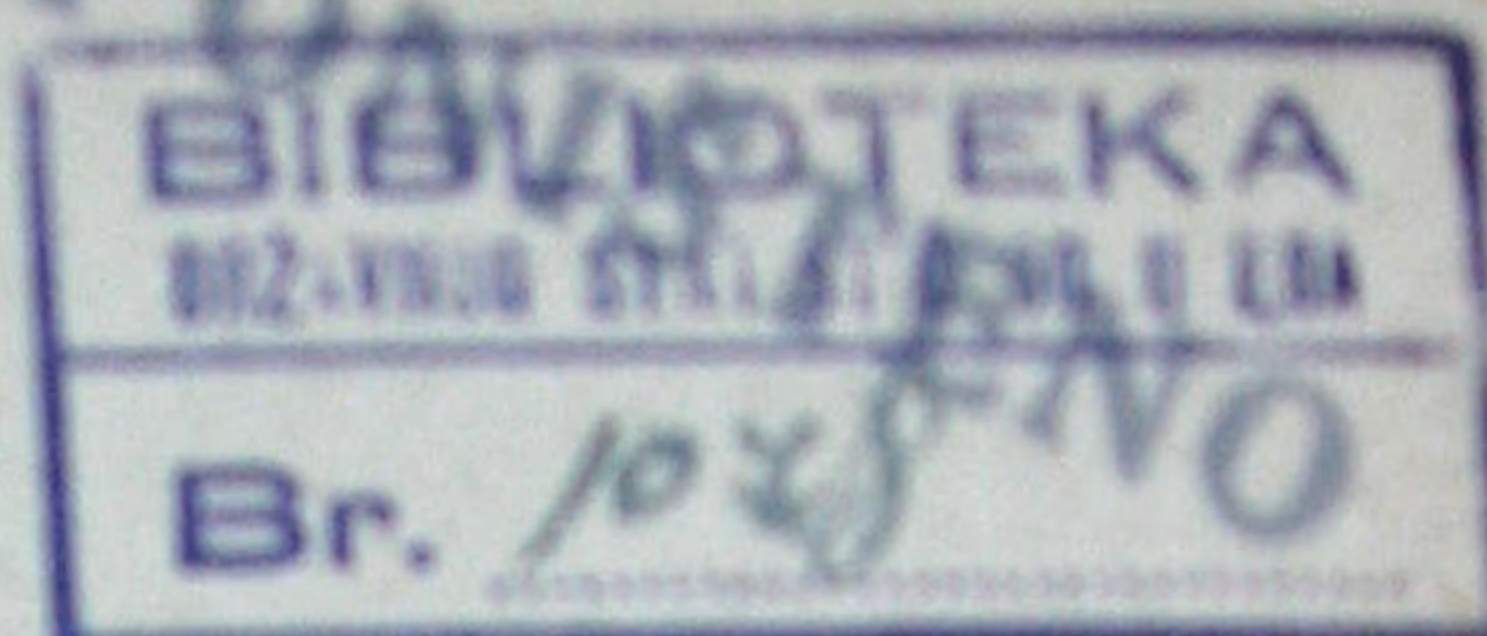
1893-94.

* * * * * "to know
That which before us lies in daily life,
Is the prime wisdom: What is more, is fume,
Or emptiness, or fond impertinence;
And renders us, in things that most concern,
Unpractic'd, unprepar'd, and still to seek."
— Milton's Adam to Angel.



SAN FRANCISCO
L. P. McCARTY
AND NEW YORK

1893-94.



UNITED STATES.

131

ANNUAL APPROPRIATIONS MADE BY CONGRESS FOR EACH year ending June 30, from 1885 to 1892, inclusive. [Prepared in the office of the Secretary of the Treasury.]

Appropriated for—	1st session 48th Congress.	2nd session 48th Congress.	1st session 49th Congress.	2nd session 49th Congress.
	1885.	1886.	1887.	1888.
To supply deficiencies for service of various branches of Gov't.....	<i>Dollars.</i> 4,385,836.10	<i>Dollars.</i> 3,332,717.30	<i>Dollars.</i> 12,572,882.61	<i>Dollars.</i> 137,000.00
For legislative, executive, and judicial exp. of Gov't.....	21,536,901.65	421,495,000.70	20,809,781.46	20,772,720.67
For sundry civil exp. of the Gov't.....	22,346,749.74	25,961,904.12	22,650,658.49	22,369,840.96
Support of the army.....	24,454,450.00	24,014,052.50	23,752,057.21	23,724,719.69
For the naval service.....	6,893,856.12	21,280,766.93	16,489,556.72	25,786,847.79
For the Indian service.....	5,903,151.26	5,773,328.56	5,561,262.84	5,234,397.00
For rivers and harbors.....	14,948,300.00		14,464,900.00	
Forts and fortifications.....	700,000.00	725,000.00	59,876.69	
For support of Military Academy.....	314,563.50	309,902.14	297,805.00	419,936.93
For service of Post Office Department.....	Indefinite.	Indefinite.	Indefinite.	Indefinite.
Invalid and other pensions, including deficiencies.....	220,810,000.00	60,000,000.00	76,075,200.00	83,152,500.00
For consular and diplomatic service.....	1,225,140.00	1,242,925.00	1,364,065.00	1,429,942.44
For service of Agricultural Department.....	440,190.00	580,790.00	654,715.00	1,028,730.00
For expenses of the D. of C.....	3,594,255.54	3,622,683.20	3,721,050.99	4,284,590.66
For miscellaneous.....	7,400,000.00	2,268,383.15	10,184,570.90	4,694,635.33
Total.....	137,451,397.77	176,698,113.69	249,659,382.91	193,035,961.13

Appropriated for—	1st session 50th Congress.	2nd session 50th Congress.	1st session 51st Congress.	2nd session 51st Congress.
	1889.	1890.	1891.	1892.
To supply deficiencies for service of various branches of Gov't.....	<i>Dollars.</i> 21,190,905.61	<i>Dollars.</i> 14,239,179.71	<i>Dollars.</i> 34,137,737.96	<i>Dollars.</i> 38,516,227.87
For legislative, executive, and judicial exp. of Gov't.....	20,324,432.42	20,965,219.93	21,073,137.47	22,027,674.75
For sundry civil exp. of the Gov't.....	26,316,329.45	25,527,641.67	29,790,064.47	35,459,163.99
Support of the army.....	24,474,710.97	24,316,615.73	24,309,471.79	24,613,529.79
For the naval service.....	19,938,291.05	21,675,374.98	23,136,035.53	31,541,645.78
For the Indian service.....	5,401,330.51	8,077,413.39	7,256,718.27	16,278,492.48
For rivers and harbors.....	22,307,606.90		25,136,295.00	2,951,200.00
Forts and fortifications.....	3,972,000.00	1,233,594.00	4,232,935.00	3,774,803.00
For support of Military Academy.....	315,043.41	902,706.69	435,296.11	402,070.39
For service of Post Office Department.....	Indefinite.	Indefinite.	Indefinite.	Indefinite.
Invalid and other pensions, including deficiencies.....	81,718,700.00	81,758,700.00	98,457,461.00	135,234,745.00
For consular and diplomatic service.....	1,428,055.00	1,980,025.00	1,710,725.96	1,456,025.00
For service of Agricultural Department.....	1,715,926.14	1,609,770.00	1,706,502.85	3,028,158.30
For expenses of the D. of C.....	3,664,678.98	3,682,400.91	3,502,236.75	5,507,120.17
For miscellaneous.....	10,129,501.55	10,186,688.97	10,620,800.00	2,725,280.24
Total.....	245,020,772.49	274,115,439.40	297,722,488.96	325,782,679.36

* Includes appropriation of unexpended balances, estimated at \$19,000,000.
† For six months ending December 31, 1894.
‡ Includes appropriation of unexpended balances, estimated at \$96,000,000.
§ Includes \$1,136,065.38 for month ending June 30, 1895.

TENTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1894.

STRIKES AND LOCKOUTS.

VOLUME I.

ANALYSIS OF TABLES.

GENERAL TABLES OF STRIKES AND LOCKOUTS.

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1896.

CHAPTER II.—GENERAL TABLES.

165

TABLE I.—STRIKES, BY STATES, YEARS, AND INDUSTRIES—Continued.

GEORGIA—Concluded.

STRIKERS.			EMPLOYEES THROWN OUT OF EMPLOYMENT BY STRIKE.			NEW EMPLOYEES AFTER STRIKE.			Brought from other places.	WEEKLY WORKING HOURS.		Marginal number.
Male.	Fem.	Total.	Male.	Fem.	Total.	Male.	Fem.	Total.		Before strike.	After strike.	
4		4	4		4	3	1	4	1	66	66	1
100		100	100		100	100		100		60	60	2
50		50	120		120					53	53	3
200		200	400		400	200		200		53	53	4
12		12	25		25					53	53	5
4		4	4		4					53	53	6
7		7	27		27					53	53	7
40		40	40		40					53	53	8
52		52	52		52					60	60	9
500		500	500		500	30		30		60	60	10
100		100	100		100					60	60	11
5		5	5		5	5		5	5	60	60	12

IDAHO—Concluded.

90		90	90		90					57	57	13
350		350	350		350					57	57	14
												15
												16
150		150	150		150					54	54	17

ILLINOIS—Continued.

25		25	25		25					60	54	18
130		130	155		155					60	60	19

TENTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

STRIKES AND LOCKOUTS.

VOLUME II.

SUMMARIES OF STRIKES AND LOCKOUTS.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1896.

TABLE III.—SUMMARY OF STRIKES FOR STATES, BY YEARS—Continued.

VIRGINIA.

DAYS UNTIL STRIKERS WERE REEMPLOYED OR PLACES FILLED BY OTHERS.		ESTABLISHMENTS IN WHICH STRIKES—			EMPLOYEES'—		Loss of em- ployers.	Mar- ginal num- ber.
Aggregate.	Average.	Succeeded.	Succeeded partly.	Failed.	Wage loss.	Assistance.		
776	20.4	13	1	24	\$41,642	\$1,100	\$18,320	1
103	34.3	2	-----	1	1,360	500	400	2
132	22.0	4	1	1	22,189	2,122	6,000	3
56	14.0	2	1	1	6,516	60	2,050	4
263	65.8	1	-----	3	26,665	12,191	110,300	5
1,137	94.8	9	-----	3	12,526	1,300	3,650	6
112	6.6	8	-----	9	5,066	1,076	50	7
104	34.7	2	-----	1	10,418	90	-----	8
2,683	30.8	41	3	43	126,382	18,439	140,770	

WASHINGTON.

94	5.9	15	1	-----	9,868	240	1,500	9
933	17.9	37	10	5	49,418	1,697	8,400	10
1,288	11.4	89	-----	24	37,771	2,720	4,675	11
44	5.5	5	-----	3	8,063	60	1,195	12
205	7.6	25	-----	2	7,972	-----	2,370	13
198	24.8	4	-----	4	10,074	735	1,990	14
169	56.3	-----	-----	3	134,580	11,550	15,000	15
2,931	12.9	175	11	41	257,746	17,002	35,130	

WEST VIRGINIA.

872	16.1	27	6	21	388,170	16,000	55,450	16
860	19.5	13	1	30	293,877	20,400	76,550	17
726	38.2	3	14	2	418,606	5,000	52,400	18
1,438	36.0	20	3	17	135,500	8,200	33,150	19
517	39.8	11	-----	2	190,380	7,000	46,400	20
2,488	41.5	19	6	35	541,850	10,000	85,250	21
a 845	a 20.1	a 1	a 4	a 37	666,025	38,655	158,400	22
9,251	44.9	13	103	90	1,562,895	5,300	216,000	23
a 16,997	a 35.6	a 107	a 137	a 234	4,197,303	110,555	723,600	

WISCONSIN.

5,167	17.7	159	-----	133	176,773	29,181	149,825	24
297	11.0	14	-----	13	57,175	1,212	18,025	25
592	12.1	15	1	33	89,196	2,111	42,475	26
743	8.1	45	4	43	86,661	200	a 121,065	27
22,591	29.3	142	157	473	472,172	32,685	217,775	28
d 2,895	d 20.5	78	10	54	688,543	60,644	533,310	29
5,509	18.1	218	4	83	122,939	6,067	69,725	30
1,052	24.5	14	3	26	130,057	4,008	24,185	31
d 38,846	d 22.6	685	179	858	1,823,516	136,108	c 1,176,385	

WYOMING.

2	2.0	1	-----	-----	50	-----	-----	32
9	4.5	1	-----	1	18,247	-----	2,500	33
3	3.0	1	-----	-----	2,100	-----	-----	34
14	3.5	3	-----	1	20,397	-----	2,500	

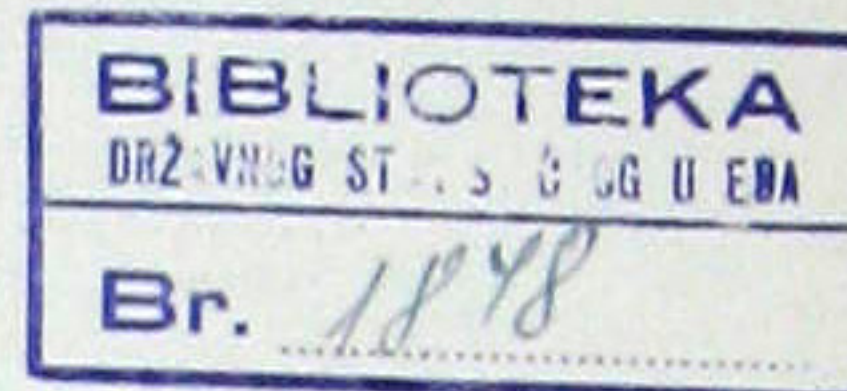
d Not including 1 establishment closed permanently.
e Not including 2 strikes not reported.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE.

ROBERT P. PORTER,
Superintendent.

Appointed April 20, 1889; resigned July 31, 1893.

CARROLL D. WRIGHT,
Commissioner of Labor in charge.
Appointed October 5, 1893.



REPORT

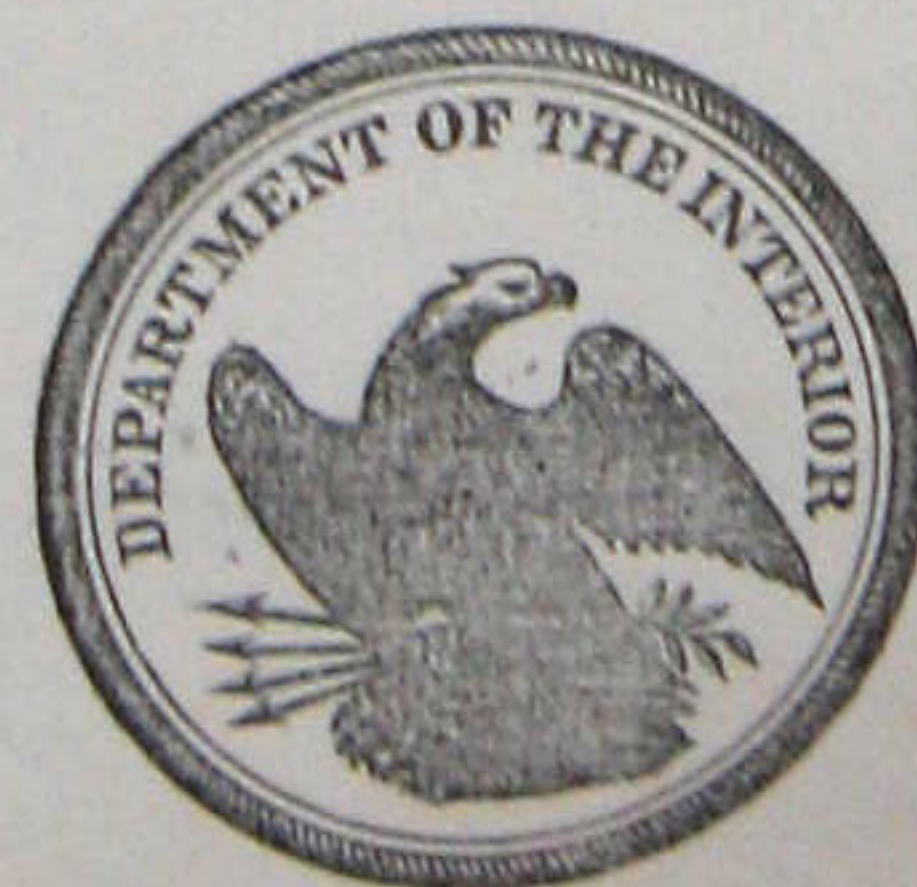
ON

POPULATION OF THE UNITED STATES

AT THE

ELEVENTH CENSUS: 1890.

PART II.



WASHINGTON, D. C.:
GOVERNMENT PRINTING OFFICE.
1897.

AGES.

GENERAL NATIVITY, AND COLOR, BY STATES AND TERRITORIES: 1890—Continued.

INDIANA.

AGES.	ALL CLASSES.			NATIVE WHITE—NATIVE PARENTS.			NATIVE WHITE—FOREIGN PARENTS.			FOREIGN WHITE.			COLORED. (a)		
	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.
50 years.....	23,832	12,357	11,475	16,835	8,653	8,182	1,711	868	843	4,559	2,430	2,129	727	406	321
51 years.....	13,247	7,113	6,134	9,759	5,158	4,601	916	475	441	2,322	1,330	992	250	150	100
52 years.....	17,159	9,344	7,815	12,510	6,713	5,797	1,086	575	511	3,234	1,844	1,390	329	212	117
53 years.....	16,142	8,831	7,311	11,925	6,404	5,521	938	515	423	3,009	1,742	1,267	270	170	100
54 years.....	15,074	8,293	6,781	11,499	5,969	5,530	915	485	430	2,998	1,678	1,320	262	161	101
50 to 54 years...	86,054	45,938	40,116	62,528	32,897	29,631	5,566	2,913	2,648	16,122	9,024	7,098	1,838	1,099	739
55 years.....	14,774	7,732	7,042	10,322	5,387	4,935	802	402	400	3,339	1,780	1,559	311	163	148
56 years.....	14,760	7,645	7,115	10,523	5,330	5,193	762	388	364	3,192	1,741	1,451	293	188	107
57 years.....	12,810	6,815	5,995	9,195	4,888	4,307	608	372	296	2,570	1,433	1,137	207	122	85
58 years.....	12,436	6,475	5,961	9,110	4,661	4,446	569	278	281	2,589	1,420	1,166	181	113	68
59 years.....	9,827	5,211	4,616	7,197	3,712	3,485	442	240	202	2,042	1,170	863	143	80	66
55 to 59 years...	64,437	33,878	30,559	46,347	23,981	22,366	3,223	1,680	1,543	13,729	7,553	6,176	1,138	664	474
60 years.....	14,080	7,556	6,524	9,764	4,923	4,841	554	286	268	3,970	2,151	1,819	398	196	202
61 years.....	8,151	4,396	3,755	5,910	3,141	2,769	335	165	170	1,827	1,040	787	79	50	29
62 years.....	10,587	5,543	4,844	7,348	3,877	3,471	449	237	212	2,434	1,340	1,094	156	89	67
63 years.....	10,590	5,653	4,937	7,563	3,944	3,619	405	191	214	2,491	1,439	1,052	131	79	52
64 years.....	9,344	4,932	4,412	6,630	3,365	3,265	383	216	167	2,223	1,393	920	103	48	60
60 to 64 years...	53,158	28,080	25,078	37,215	19,250	17,905	2,126	1,095	1,031	12,945	7,273	5,672	872	402	410
65 years.....	10,243	5,310	4,933	6,947	3,523	3,419	406	211	195	2,697	1,469	1,228	193	102	91
66 years.....	8,035	4,222	3,813	5,644	2,854	2,790	352	198	156	1,945	1,118	827	94	54	40
67 years.....	7,352	3,957	3,395	5,162	2,671	2,491	333	176	157	1,752	1,037	695	105	53	52
68 years.....	7,111	3,742	3,369	5,044	2,613	2,431	297	146	151	1,673	928	745	97	55	42
69 years.....	5,581	2,982	2,599	4,000	2,087	1,913	262	138	124	1,272	727	545	47	30	17
65 to 69 years...	38,322	20,213	18,109	26,797	13,753	13,044	1,650	807	783	9,339	5,299	4,040	530	294	242
70 years.....	7,845	4,115	3,730	5,287	2,718	2,569	350	191	159	2,020	1,119	901	188	87	101
71 years.....	4,546	2,489	2,057	3,277	1,751	1,526	247	131	116	987	586	401	35	21	14
72 years.....	5,269	2,783	2,486	3,840	2,000	1,840	223	119	110	1,147	635	512	54	30	24
73 years.....	4,646	2,426	2,220	3,404	1,712	1,692	102	113	79	892	567	425	58	34	24
74 years.....	4,161	2,201	1,960	3,095	1,566	1,449	250	131	119	869	495	374	37	19	18
70 to 74 years...	26,467	14,014	12,453	18,813	9,737	9,076	1,267	684	583	6,015	3,402	2,613	372	191	181
75 years.....	4,175	2,188	1,987	2,853	1,442	1,411	196	108	88	1,044	591	453	82	47	35
76 years.....	3,425	1,843	1,582	2,486	1,314	1,172	173	99	74	725	401	324	42	29	13
77 years.....	2,854	1,513	1,341	2,076	1,069	1,007	162	76	66	679	345	234	37	23	14
78 years.....	2,751	1,409	1,342	2,007	985	1,022	139	79	69	670	326	244	35	19	16
79 years.....	1,985	1,091	894	1,450	779	671	100	56	53	405	242	163	21	14	7
75 to 79 years...	15,191	8,044	7,147	10,872	5,589	5,283	770	418	361	3,323	1,905	1,418	217	132	85
80 years.....	2,396	1,230	1,166	1,641	846	795	140	80	60	551	285	266	64	19	45
81 years.....	1,348	731	617	983	533	450	91	50	41	259	141	118	15	7	8
82 years.....	1,411	674	737	1,014	547	467	67	37	266	144	122	17	6	11	11
83 years.....	1,078	529	549	757	393	364	85	49	36	220	110	110	16	7	9
84 years.....	933	450	483	671	323	346	61	32	29	194	91	103	7	2	5
80 to 84 years...	7,166	3,614	3,552	5,066	2,534	2,532	491	268	223	1,490	771	719	119	41	78
85 years.....	838	411	427	577	278	299	48	23	25	191	101	90	22	9	13
86 years.....	649	314	329	451	216	235	38	18	20	144	73	71	10	7	3
87 years.....	593	246	287	380	161	219	46	27	19	93	54	39	8	4	4
88 years.....	352	154	198	233	104	129	27	12	15	77	32	45	12	6	6
89 years.....	273	132	141	181	82	99	26	16	10	59	28	28	10	6	4
85 to 89 years...	2,639	1,257	1,382	1,831	841	990	185	96	89	561	288	273	62	32	20
90 years.....	347	164	183	219	101	118	22	14	8	95	44	51	11	5	6
91 years.....	121	59	65	94	42	52	12	9	3	15	8	7	3	3	3
92 years.....	100	47	53	73	36	43	8	6	2	17	10	7	2	1	1
93 years.....	71	29	42	45	15	30	7	3	4	14	7	7	3	4	3
94 years.....	43	17	26	27	10	17	6	3	3	7	4	3	3	3	3
90 to 94 years...	685	316	369	458	198	260	55	35	20	148	73	75	24	10	14
95 years.....	49	27	22	35	18	17	4	2	2	8	7	1	2	2	2
96 years.....	23	13	15	20	11	9	1	1	1	12	6	6	1	1	1
97 years.....	17	9	8	10	5	5	1	1	1	6	3	3	1	1	1
98 years.....	20	9	11	10	4	6	1	1	1	4	2	2	1	1	1
99 years.....	11	7	4	9	5	4	1	1	1	2	2	2	1	1	1
95 to 99 years...	130	70	60	84	43	41	5	3	2	32	20	12	9	4	5
100 years and over...	54	21	33	15	7	8	5	2	3	11	6	5	2	6	17
Age unknown.....	4,733	2,733	2,000	3,693	2,151	1,542	332	184	148	237	223	135	351	176	175

ELEVENTH ANNUAL REPORT

COMMISSIONER OF LABOR.

1895-96.

WORK AND WAGES OF MEN, WOMEN, AND CHILDREN.

CHAPTER II.—GENERAL TABLES.

59

TABLE I.—OCCUPATIONS AND EARNINGS OF WOMEN AND CHILDREN, AND OF MEN, BY INDUSTRIES AND STATES—Continued.

MANUFACTURES: BAKERY AND CONFECTIONERY PRODUCTS—Continued.

ESTAB. NO. 75.—IOWA—CRACKERS.

Occupations.	Former period.						Present period.							
	Em- ploy- ees.	Sex.		Work by time or piece.	Earnings per week.			Em- ploy- ees.	Sex.		Work by time or piece.	Earnings per week.		
		18 yrs. or over.	Un- der 18 yrs.		High- est.	Low- est.	Aver- age.		18 yrs. or over.	Un- der 18 yrs.		High- est.	Low- est.	Aver- age.
				\$	\$	\$					\$	\$	\$	
Bakers.....	1	M.	.....	T.	14.00	14.00	14.00	1	M.	.....	T.	14.00	14.00	14.00
Bookkeepers.....	1	M.	.....	T.	30.00	30.00	30.00	1	M.	.....	T.	14.00	14.00	14.00
Bookkeepers, asst.....	1	F.	.....	T.	7.00	7.00	7.00	1	F.	.....	T.	7.00	7.00	7.00
Box makers.....	2	M.	.....	T.	3.00	3.00	3.00	2	M.	.....	T.	4.50	3.00	3.75
Clerks.....	1	F.	.....	T.	4.50	4.50	4.50	1	F.	.....	T.	4.00	4.00	4.00
Clerks, shipping.....	1	M.	.....	T.	8.00	8.00	8.00	1	M.	.....	T.	11.00	11.00	11.00
Drivers.....	1	M.	.....	T.	8.00	8.00	8.00	1	M.	.....	T.	11.00	11.00	11.00
Engineers, station- ary.....	1	M.	.....	T.	12.00	12.00	12.00	1	M.	.....	T.	12.00	12.00	12.00
Feeders.....	1	M.	.....	T.	9.00	9.00	9.00	1	M.	.....	T.	10.00	10.00	10.00
Foremen.....	1	M.	.....	T.	30.00	30.00	30.00	1	M.	.....	T.	22.50	22.50	22.50
Forewomen, packers.....	1	M.	.....	T.	13.00	13.00	13.00	1	F.	.....	T.	6.00	6.00	6.00
Mixers.....	1	M.	.....	T.	9.00	9.00	9.00	2	M.	.....	T.	11.00	11.00	11.00
Mixers' helpers.....	1	M.	.....	T.	6.50	6.58	6.50	2	M.	.....	T.	3.50	3.50	3.50
Oven boys.....	1	M.	.....	T.	6.06	6.00	6.00	2	M.	.....	T.	6.00	5.50	5.75
Packers.....	3	F.	.....	T.	4.50	4.00	4.33	3	F.	.....	T.	4.00	3.00	3.33
Peelers.....	1	M.	.....	T.	9.00	9.00	9.00	2	M.	.....	T.	11.00	10.00	10.50
Porters.....	1	M.	.....	T.	4.00	4.00	4.00	1	M.	.....	T.	5.00	5.00	5.00

ESTAB. NO. 76.—IOWA—CRACKERS AND CANDY.

Box nailers.....	1	M.	....	T.	18.00	18.00	18.00	1	M.	....	T.	6.00	6.00	6.00
Candy makers.....	1	M.	....	T.	18.00	18.00	18.00	1	M.	....	T.	18.00	18.00	18.00
Candy makers' help- ers.....	2	M.	....	T.	9.00	5.00	7.00	1	M.	....	P.	18.10	18.10	18.10
Chocolate dippers.....	2	F.	....	T.	5.00	3.50	4.25	5	M.	....	T.	9.00	3.00	6.00
Drivers.....	4	F.	....	T.	3.00	3.00	3.00	3	F.	....	T.	5.00	3.50	4.50
Engineers, station- ary.....	1	M.	....	T.	12.00	12.00	12.00	3	F.	....	T.	3.50	3.50	3.50
Foremen.....	1	M.	....	T.	12.00	12.00	12.00	5	F.	....	T.	4.00	3.00	3.30
Foremen, candy de- partment.....	1	M.	....	T.	12.00	12.00	12.00	3	M.	....	T.	12.00	10.00	11.33
Foremen chocolate department.....	1	M.	....	T.	12.00	12.00	12.00	1	M.	....	T.	12.50	12.50	12.50
Foremen, packers.....	1	M.	....	T.	12.00	12.00	12.00	1	M.	....	T.	24.00	24.00	24.00
Lozenge makers.....	1	M.	....	T.	12.00	12.00	12.00	1	M.	....	T.	23.00	23.00	23.00
Machine tenders.....	1	M.	....	T.	12.00	12.00	12.00	1	M.	....	T.	15.00	15.00	15.00
Machine tenders' help- ers.....	2	M.	....	T.	6.00	4.50	5.25	1	M.	....	T.	11.00	11.00	11.00
Mixers.....	2	M.	....	T.	12.00	12.00	12.00	1	M.	....	T.	7.50	7.50	7.50
Packers.....	6	F.	....	T.	3.00	3.00	3.00	1	M.	....	T.	12.00	12.00	12.00
Peelers.....	3	F.	....	T.	3.00	3.00	3.00	2	M.	....	T.	6.00	4.50	5.25
	2	M.	....	T.	9.00	9.00	9.00	2	M.	....	T.	12.00	12.00	12.00

TWELFTH ANNUAL REPORT

OF THE

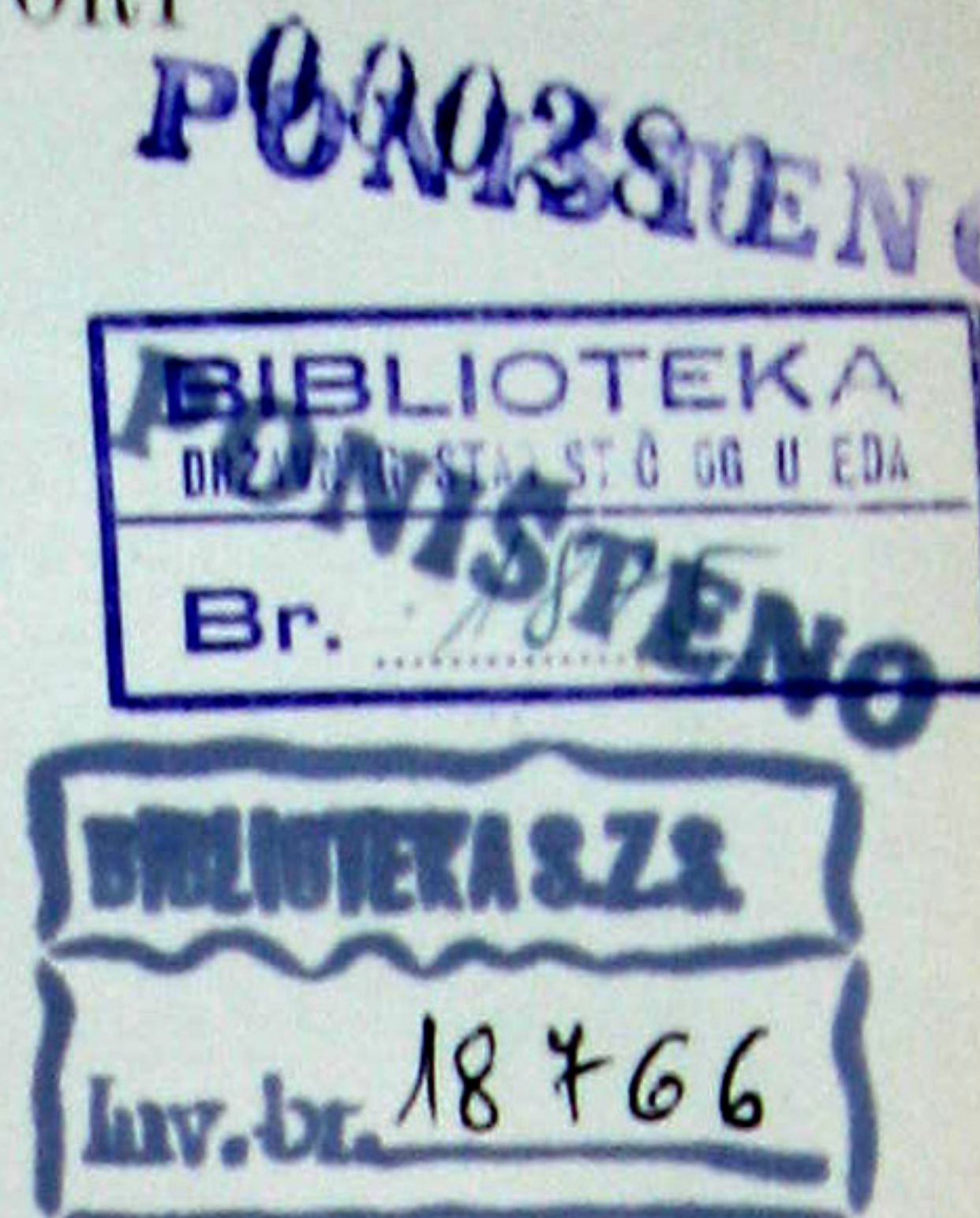
COMMISSIONER OF LABOR.

1897.

ECONOMIC ASPECTS OF THE LIQUOR PROBLEM.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1898.

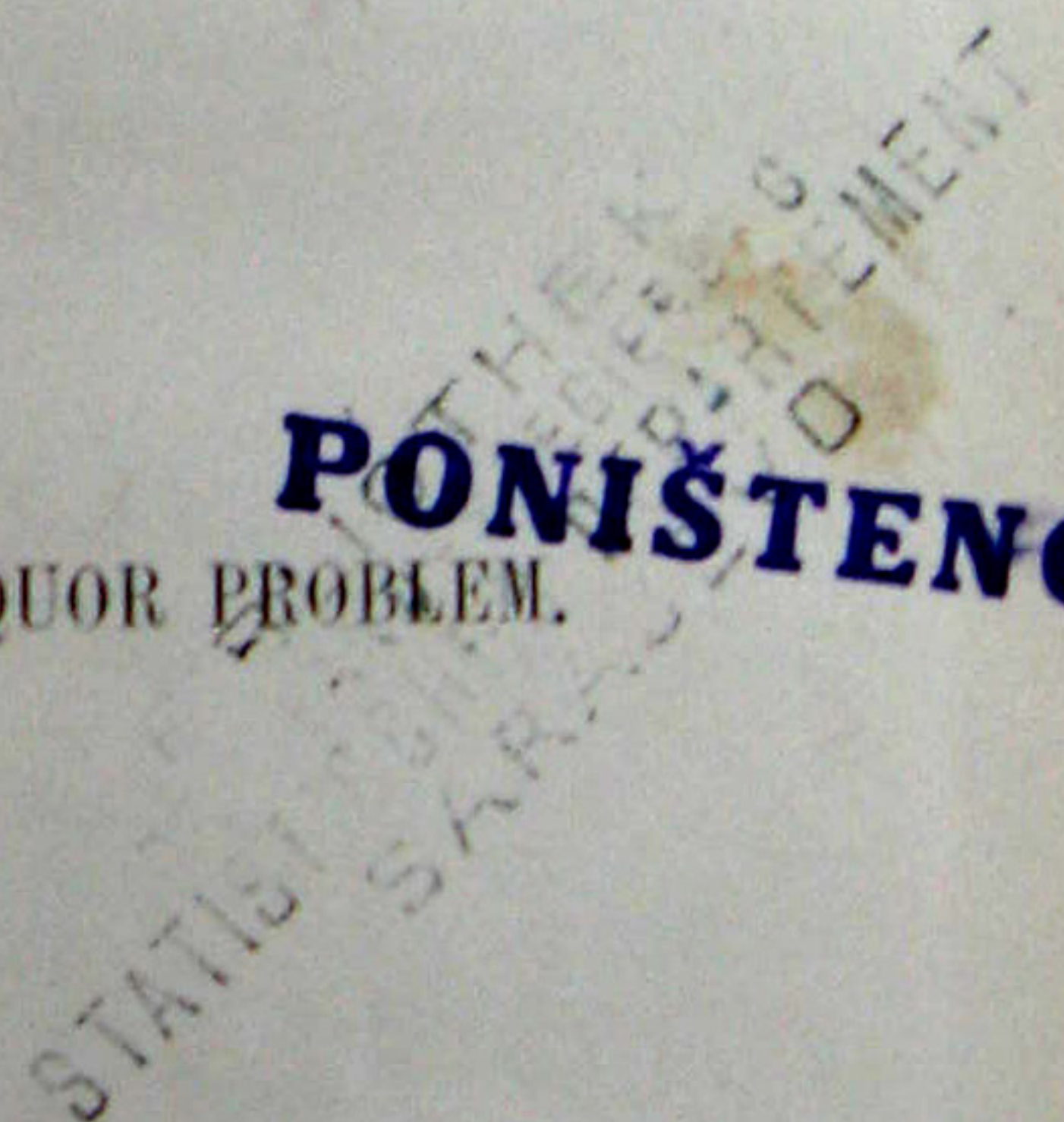


respectively, and the number and percentage in each class that occupied rented property. In this table the establishments engaged exclusively in the liquor traffic and those engaged in the traffic in connection with other business have been combined.

ESTABLISHMENTS CANVASSED AND NUMBER AND PER CENT OCCUPYING RENTED PROPERTY, 1896.

States.	Retail.			Wholesale.			Retail and whole-sale.			Aggregate.		
	Total.	Renting.		Total.	Renting.		Total.	Renting.		Total.	Renting.	
		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.		Num-ber.	Per cent.
California.....	1,479	1,443	97.56	60	50	83.33	126	120	95.23	1,665	1,613	96.88
Connecticut.....	2,239	1,570	70.12	10	7	70.00	166	96	57.83	2,415	1,673	69.28
Delaware.....	293	174	59.39	1	1	100.00	11	6	54.55	305	181	59.34
Illinois.....	6,340	4,720	74.45	19	15	78.95	222	149	67.12	6,581	4,884	74.21
Iowa.....	542	314	57.93	10	3	30.00	59	27	45.76	611	344	56.30
Louisiana.....	2,334	1,478	63.32	23	17	73.91	73	44	60.27	2,430	1,539	63.33
Maryland.....	2,872	2,240	77.99	8	5	62.50	109	79	72.48	2,989	2,324	77.75
Mississippi.....	80	46	57.50	5	2	40.00	12	7	58.33	97	55	56.70
New York.....	3,770	1,998	53.00	20	6	30.00	124	62	50.00	3,914	2,066	52.78
Ohio.....	2,636	1,872	71.02	53	43	81.13	82	65	79.27	2,771	1,980	71.45
Rhode Island.....	1,158	803	69.34	5	3	60.00	63	46	73.02	1,226	852	69.49
Tennessee.....	829	559	67.43	16	8	50.00	27	20	74.07	872	587	67.32
Virginia.....	834	553	66.31	5	3	60.00	32	18	56.25	871	574	65.90
Wisconsin.....	2,428	1,375	56.63	16	7	43.75	67	39	58.21	2,511	1,421	56.59
Total.....	27,834	19,145	68.78	251	170	67.73	1,173	778	66.33	29,258	20,093	68.68

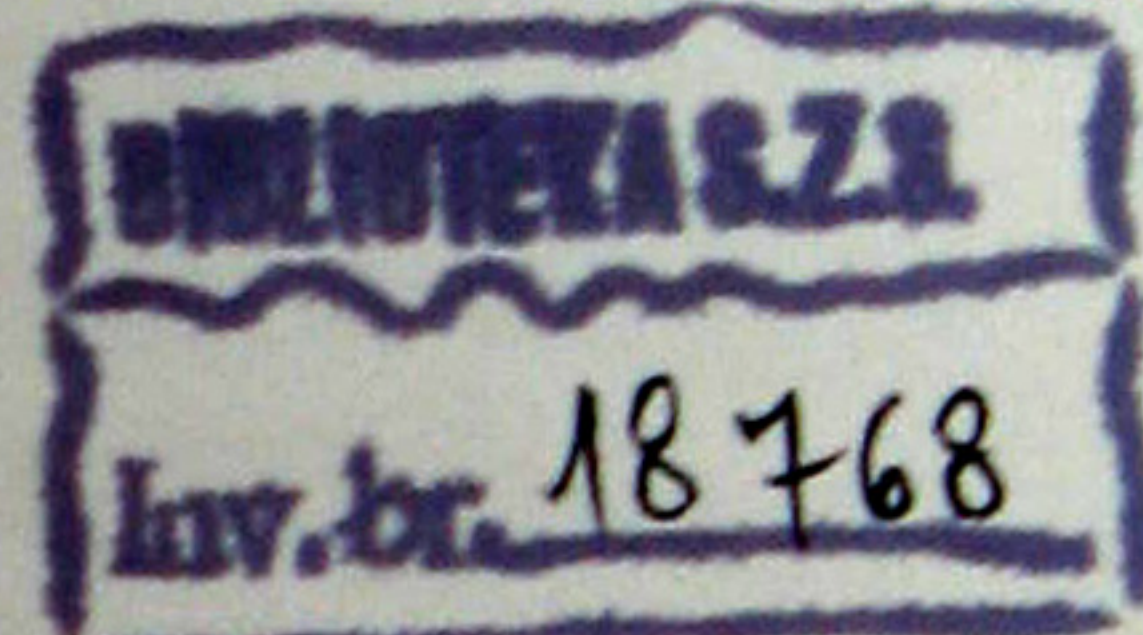
This statement shows that out of the entire 29,258 establishments canvassed 20,093, or 68.68 per cent, were occupying rented property.



OF THE



COMMISSIONER OF LABOR.

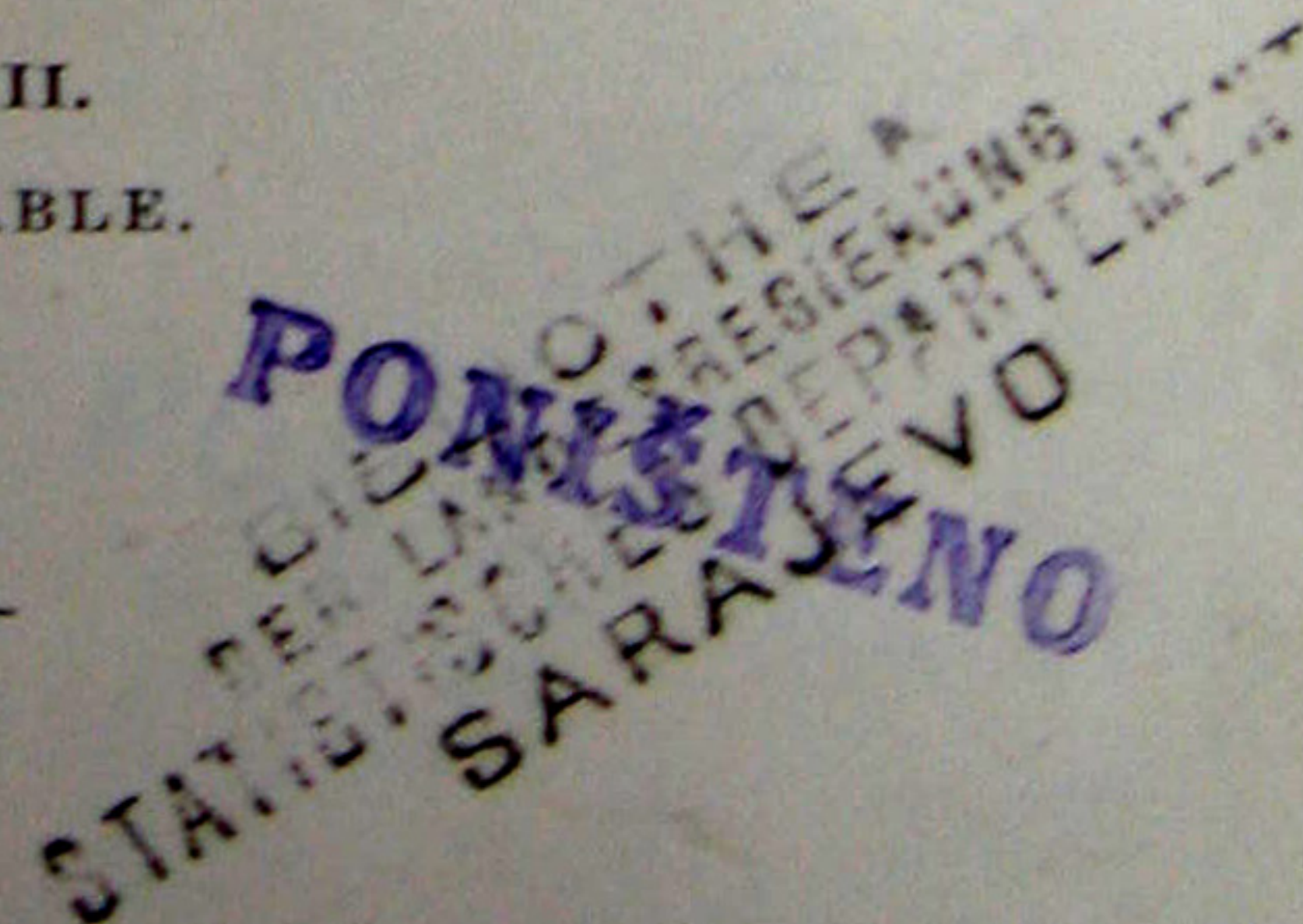


1898.

HAND AND MACHINE LABOR.

VOLUME II.

GENERAL TABLE.



WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1899.

PRODUCTION BY HAND AND MACHINE METHODS—Continued.

MANUFACTURES: BOOTS AND SHOES—Continued.

HAND METHOD—Concluded.

UNIT 72.—SHOES: 100 pairs men's grain, pegged, brogan shoes, tap soles—Concluded.

Motive power.	Persons necessary on one machine.	Employees at work on the unit.						Operation number.
		Number and sex.	Occupation.	Age.	Time worked. h. m.	Pay of labor.		Labor cost.
						Rate.	Per—	
Hand	1	1 M	Shoemaker	30	6-40.0	\$0.20	Hour	\$1.3333 66
Hand	1	1 M	Shoemaker	30	6-40.0	.20	Hour	1.3333 67
Hand	1	1 M	Shoemaker	30	7-55.0	.20	Hour	1.5833 68
Hand	1	1 M	Shoemaker	30	7-55.0	.20	Hour	1.5833 C
Hand	1	1 M	Shoemaker	30	1-40.0	.20	Hour	.3333 69
Hand	1	1 M	Shoemaker	30	5	.20	Hour	1.0000 71
Hand	1	1 M	Shoemaker	30	5	.20	Hour	1.0000 70
Hand	1	1 M	Shoemaker	30	50.0	.20	Hour	.1667 60
Hand	1	1 M	Shoemaker	30	3-20.0	.20	Hour	.6667 73a
Hand	1	1 M	Shoemaker	30	1-40.0	.20	Hour	.3333 73b
Hand	1	1 M	Shoemaker	30	3-20.0	.20	Hour	.6667 72
Hand	1	1 M	Shoemaker	30	1-40.0	.20	Hour	.3333 73c
Hand	1	1 M	Shoemaker	30	1-40.0	.20	Hour	.3333 74a
Hand	1	1 M	Shoemaker	30	1-40.0	.20	Hour	.3333 74b
Hand	1	1 M	Shoemaker	30	6-40.0	.20	Hour	1.3333 74c
Hand	1	1 M	Shoemaker	30	6-40.0	.20	Hour	1.3333 74d
Hand	1	1 M	Shoemaker	30	3-20.0	.20	Hour	.6667 49

MACHINE METHOD.

UNIT 72.—SHOES: 100 pairs men's grain, pegged, brogan shoes, tap soles.

these data have been conformed to 100 pairs for ready comparison with the more primitive method of per day, 1 working 11 hours per day, and 4 working 12 hours per day, in 1895, produced these shoes.]

Hand	1	1 M	Vamp cutter	41	1-40.0	\$0.25	Hour	\$0.4167 1
Hand	1	1 M	Vamp sorter	26	33.3	.25	Hour	.1388 2
Hand	1	1 M	Quarter cutter	35	1-40.0	.25	Hour	.4167 3
Hand	1	1 M	Quarter sorter	30	37.5	.25	Hour	.1563 4
Hand	1	1 M	Stamper and caser	37	40.0	.20	Hour	.1333 5
Hand	1	1 M	Foreman	40	6.0	21.00	Week	.0350 6
Hand	1	3 M	Laborers	42-55	7.5	.17	Hour	.0219 7
Hand	1	3 M	Sole-stock temperers	42-55	15.0	.17	Hour	.0438 8
Steam	1	1 M	Outsole cutter	38	37.5	.25	Hour	.1563 9
Hand	1	1 M	Outsole sorter	33	20.0	.22	Hour	.0750 10
Hand	1	1 M	Buncher and labeler	27	5.0	.20	Hour	.0167 11
Steam	1	1 M	Outsole skiver	18	16.7	.10	Hour	.0278 12
Steam	1	2 M	Insole-stock strippers	28, 35	3.0	.20	Hour	.0100 13
Steam	1	2 M	Insole-stock skivers	28, 35	3.0	.20	Hour	.0100 14
Steam	1	2 M	Insole-stock rollers	28, 35	-3.0	.20	Hour	.0100 15
Steam	1	2 M	Tap-sole stock strippers	26, 33	3.0	.20	Hour	.0100 16
Steam	1	2 M	Tap-sole stock rollers	26, 33	3.0	.20	Hour	.0100 17
Steam	1	2 M	Tap-sole stock skivers	26, 33	3.0	.20	Hour	.0100 18
Steam	1	2 M	Counter-stock strippers	26, 33	3.0	.20	Hour	.0100 19
Steam	1	2 M	Counter-stock skivers	28, 35	3.0	.20	Hour	.0100 20
Steam	1	2 M	Counter-stock rollers	30, 40	3.0	.20	Hour	.0100 21
Steam	1	2 M	Top-lift stock strippers	30, 40	3.0	.20	Hour	.0100 22
Steam	1	2 M	Top-lift stock skivers	30, 40	3.0	.20	Hour	.0100 23
Steam	1	2 M	Top-lift stock rollers	30, 40	3.0	.20	Hour	.0100 24
Steam	1	1 M	Insole cutter	38	27.4	.22	Hour	.1028 25
Steam	1	1 M	Tap-sole cutter	38	18.8	.25	Hour	.0783 26
Steam	1	1 M	Counter cutter	30	24.0	.20	Hour	.0800 27
Steam	1	1 M	Top-lift cutter	27	27.4	.20	Hour	.0913 28
Hand	1	1 M	Insole sorter	40	12.0	.20	Hour	.0400 29
Hand	1	1 M	Tap-sole sorter	44	12.0	.20	Hour	.0400 30
Hand	1	1 M	Top-lift sorter	35	12.0	.20	Hour	.0400 31
Hand	1	1 M	Insole buncher	22	5.0	.15	Hour	.0125 32
Steam	1	1 M	Tap-sole scarfer	18	12.0	.12	Hour	.0250 33
Hand	1	1 M	Tap-sole buncher	40	5.0	.20	Hour	.0167 34
Steam	1	1 F	Counter skiver	36	40.0	.10	Hour	.0667 35
Hand	1	1 F	Counter buncher	36	3.3	.10	Hour	.0055 36
Steam	1	2 M	Heel-lift cutters	28, 50	1-54.3	.20	Hour	.3810 37
Hand	1	2 F	Heel builders	36, 48	2-30.0	.82	250 pairs	.3280 38

THIRTEENTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1898.

HAND AND MACHINE LABOR.

VOLUME I.

INTRODUCTION AND ANALYSIS.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1899.

PONISTENO

BIBLIOTEKA
DR. J. J. OGG U. E. D.
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PONISTENO

SUMMARY OF PRODUCTION BY HAND AND MACHINE METHODS—Cont'd.

MANUFACTURES—Continued.

COTTON AND WOOLEN GOODS.

Year of pro- duction.		Different operations performed.		Different workmen employed.		Time worked.				Labor cost.		Unit num- ber.
						Hand.		Machine.				
Hand.	Ma- chine.	Hand.	Ma- chine.	Hand.	Ma- chine.	Hours.	Min- utes.	Hours.	Min- utes.	Hand.	Machine.	
1894	1895	17	20	3	34	750	40.0	114	40.0	\$22.5201	\$6.7063	249
1895	1896	18	12	3	35	1,202	11.5	48	7.5	39.6725	3.5804	250

CUTLERY AND EDGE TOOLS.

1860	1895	8	24	2	25	104	.....	12	50.3	16.3000	3.9277	251
1895	1895	5	18	2	15	103	.....	11	27.6	20.5000	4.4863	252
1894	1895	6	30	2	153	78	.....	10	7.6	7.8000	1.6221	253
1840	1895	6	14	2	24	158	.....	18	50.4	28.3000	4.2285	254
1895	1895	5	17	2	17	104	.....	12	27.0	20.7500	5.4227	255
1863	1896	5	16	3	256	33	.....	9	57.7	5.9250	1.4694	256
1895	1895	10	17	2	16	38	.....	6	18.6	6.4500	1.9637	257
1890	1895	9	25	2	26	70	.....	12	12.0	10.6000	3.5698	258
1855	1895	13	36	8	63	191	.....	54	55.8	31.0500	13.9033	259
1859	1895	6	19	2	63	708	.....	24	13.8	90.9000	4.1621	260
1894	1895	9	26	2	26	132	.....	7	9.9	19.2000	1.5148	261
1835	1895	16	14	19	30	20	24.0	9	15.0	3.8900	1.7549	262
1855	1895	7	16	1	16	23	51.0	4	20.0	2.3850	.9777	263

DAIRY PRODUCTS.

1866	1897	7	8	3	7	125	.....	12	30.0	10.6667	1.7836	264
1890	1897	8	12	1	2	223	20.0	18	.....	18.6110	3.2499	265
1866	1896	5	10	1	2	42	51.5	5	35.0	3.5716	.9042	266
1840	1896	8	14	1	3	75	5	24.0	7.5000	.8548	267

ELECTROTYPING.

1865	1895	18	19	28	28	260	89	30.0	67.0250	23.2188	268
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ENGRAVING AND DIESINKING.

1874	1896	5	6	6	5	635	a 38	30.0	121.3250	b 10.5625	269
1875	1896	5	6	5	5	76	30.0	a 15	45.0	14.8888	5.4594	270
1868	1895	4	5	3	3	15	45.0	a 7	5.0	2.8834	2.1841	271
1898	1898	1	1	1	1	1	.....	.....	20.0	.4167	(a)	272
1893	1895	6	7	8	6	163	10.0	a 10	24.0	73.5083	b 2.8025	273

c Not reported.

FIFTEENTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1900.

A COMPILATION OF WAGES IN COMMERCIAL COUNTRIES
FROM OFFICIAL SOURCES.

VOLUME I.

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1900.

CHAPTER II.—GENERAL TABLE.

37

RATES OF WAGES IN COMMERCIAL COUNTRIES—Continued.

[For titles of the reports referred to under "Report number," see pages 21 to 32.]

AGENTS, COMMERCIAL, RAILROAD.

Year and State or country.	Re- p't No.	Num- ber and sex of em- ploy- ees.	Lowest, highest, and average—		Year and State or country.	Re- p't No.	Num- ber and sex of em- ploy- ees.	Lowest, highest, and average—	
			Hours of work per week.	Rates of wages per day (dollars).				Hours of work per week.	Rates of wages per day (dollars).
1875 Pa	380	2 M.	(a)	2.77-2.77-2.77	1887 Wis	4	2 M.	(a)	4.79-5.75-5.27
1887 Mo	4	3 M.	(a)	4.47-5.75-4.90	1894 Ind	228	79 M.	b 48-72-62	2.38-4.43-3.30
1887 N. Y.	4	2 M.	(a)	.27- .27- .27	1894 N. H.	316	1 M.	(a)	4.17-4.17-4.17
1887 Pa	4	1 M.	(a)	1.92-1.92-1.92					

AGENTS, CONTRACTING, RAILROAD.

1885 Mo	296	1 M.	(a)	4.79-4.79-4.79	1890 Ind	226	47 M.	c 48-60-57	2.37-6.25-4.00
1887 Ill	298	13 (a)	(a)	3.95-3.95-3.95	1891 Ind	227	80 M.	48-60-54	2.50-5.20-4.42
1887 Mo	4	6 M.	(a)	3.45-4.79-4.25	1892 Ind	227	49 M.	d 48-60-56	2.50-6.09-4.48
1887 Oregon ..	4	1 M.	(a)	4.79-4.79-4.79	1893 Ind	228	53 M.	48-60-57	2.50-7.95-4.43
1887 Pa	4	1 M.	(a)	3.83-3.83-3.83	1894 Ind	228	41 M.	d 48-60-56	2.50-5.28-4.30
1887 Wis	4	8 M.	(a)	2.88-4.22-3.32	1895 Ind	229	46 M.	e 48-60-56	3.55-6.15-4.66
1888 Ind	225	60 M.	(a)	2.38-5.37-3.91	1896 Ind	229	52 M.	d 48-60-54	2.50-6.20-4.69
1888 Mo	298	6 (a)	(a)	4.16-5.75-5.06	1898 Ind	230	58 (a)	d 48-72-54	1.91-6.35-4.40
1889 Ind	226	104 M.	(a)	2.40-6.40-3.58	1898 Mo	306	7 (a)	48-60-58	3.50-7.83-4.88

AGENTS, EMIGRANT, RAILROAD.

1887 Md.	4	4 M.	(a)	1.92-2.88-2.16	1887 Wis	4	1 M.	(a)	2.88-2.88-2.88
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AGENTS, EXPRESS COMPANY.

1884 Iowa	231	1 M.	(a)	2.12-2.12-2.12	1886 Iowa	232	1 M.	90-90-90	2.00-2.00-2.00
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AGENTS, FREIGHT AND PASSENGER, RAILROAD.

1875 Pa	380	1 M.	(a)	5.77-5.77-5.77	1887 Nebr	312	11 (a)	70-70-70	.90-6.98-2.82
1879 Pa	384	41 M.	(a)	1.50-1.50-1.50	1887 Pa	4	1 M.	(a)	.66- .66- .66
1885 Pa	389	1746 M.	(a)	1.51-1.51-1.51	1889 Kans.	243	449 M.	f 70-84-71	.33-6.67-2.46
1887 Fla.	4	1 M.	(a)	1.32-1.32-1.32					

AGENTS, FREIGHT AND TICKET, RAILROAD.

1875 Pa	380	196 M.	(a)	1.64-1.92-1.65	1878 Pa	383	22 M.	70-70-70	1.27-1.27-1.27
1876 Pa	381	89 M.	(a)	1.48-1.48-1.48	1887 Pa	4	20 M.	(a)	.33-2.96-1.09
1877 Pa	382	127 M.	g 70-84-77	.92-1.89-1.46	1887 Va	4	11 M.	(a)	.39-3.29-1.20
1877 Pa	382	6 F.	(a)	.86- .86- .86	1887 Wis	4	2 M.	(a)	3.29-3.62-3.46

AGENTS, FREIGHT, RAILROAD.

1870 England ..	177	(a) M.	(a)	1.60-3.36- —	1884 Aust-Hun ..	178	(a) M.	(a)	1.23-2.45- —
1875 Pa	380	3 M.	(a)	2.95-2.95-2.95	1884 Aust-Hun ..	178	(a) M.	(a)	j 1.53-2.04- —
1876 Pa	381	4 M.	h 60-60-60	2.88-3.00-2.91	1884 Belgium ..	178	(a) M.	(a)	.74-1.29- —
1877 Pa	382	8 M.	i 72-72-72	3.58-3.77-3.68	1884 England ..	178	(a) M.	(a)	1.14-4.87- —
1878 Pa	383	4 M.	60-60-60	3.63-3.63-3.63	1884 France	178	(a) M.	(a)	.93-3.70- —
1878 England ..	177	(a) M.	(a)	2.00-4.20- —	1884 Peru	178	(a) M.	(a)	.95-3.16- —
1881 Pa	4	2 M.	(a)	3.26-3.45-3.36	1884 Scotland ..	178	(a) M.	60-60-60	1.46-1.46-1.46
1883 Conn.	4	1 M.	(a)	3.83-3.83-3.83	1884 Wales	178	(a) M.	(a)	1.21-3.03- —
1884 Mich.	278	1 M.	(a)	5.75-5.75-5.75	1885 Mich.	279	2 M.	(a)	3.83-6.39-5.11

a Not reported.

b Not including hours of 25 persons not reported.

c Not including hours of 21 persons not reported.

d Not including hours of 1 person not reported.

e Not including hours of 16 persons not reported.

f Not including hours of 2 persons not reported.

g Not including hours of 80 persons not reported.

h Not including hours of 3 persons not reported.

i Not including hours of 4 persons not reported.

j And rent.

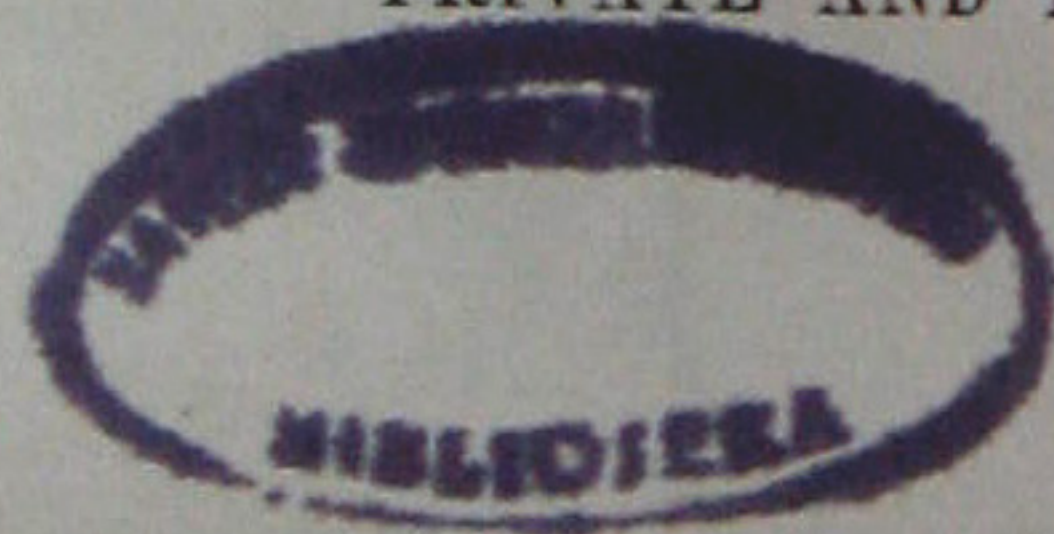
FOURTEENTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1899.

WATER, GAS, AND ELECTRIC-LIGHT PLANTS UNDER
PRIVATE AND MUNICIPAL OWNERSHIP.



PONISTENO

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1900.

BR. **PONISTENO**

PONISTENO
18769

CHAPTER II.—WATERWORKS.

83

TABLE I.—**WATERWORKS: PLANT, DISTRIBUTING EQUIPMENT, AND APPARATUS—PRIVATE AND MUNICIPAL PLANTS (2)—Continued.**

PLANTS FURNISHING 50,000,000 AND UNDER 75,000,000 GALLONS—
Concluded.

Distributing system.													Plant number.
Mains.			Fire hydrants.	Water motors.		Hydraulic elevators.		Meters.					
Diameter (inches).				Total length (miles).	Number.	Total rated capacity (h.p.).	Number.	Total capacity (galls.).	Number.	Size (inches).			
Largest.	Smallest.	Average.								Largest.	Smallest.	Average.	
8.00	4.00	5.27	7.62	60	-----	-----	1	39	8	1.75	0.75	0.94	475
10.00	3.00	7.09	4.58	27	-----	-----	-----	-----	8	.75	.50	.64	476
10.00	2.00	4.85	8.33	42	-----	-----	-----	-----	-----	-----	-----	-----	477
12.00	3.00	5.03	8.02	76	4	1	1	40	4	4.00	1.00	2.35	478
10.00	3.00	6.00	4.24	46	-----	-----	-----	-----	6	2.00	2.00	2.00	479
8.00	.75	3.23	8.37	32	1	1½	-----	-----	19	2.00	.63	.83	480
10.00	4.00	6.90	11.00	53	-----	-----	-----	-----	-----	-----	-----	-----	481
10.00	3.00	5.90	13.81	171	-----	-----	-----	-----	72	2.00	.63	.67	482
12.00	2.00	8.15	10.21	102	2	¾	-----	-----	15	2.00	.50	.90	483
8.00	1.00	5.01	15.04	43	(a)	(a)	-----	-----	10	.75	.75	.75	484
8.00	1.25	4.59	9.32	44	-----	-----	-----	-----	188	2.00	.50	.53	485
10.00	4.00	6.87	8.10	84	3	4	-----	-----	64	2.00	.63	.78	486
10.00	4.00	6.50	10.00	55	-----	-----	-----	-----	42	6.00	.63	1.25	487
10.00	4.00	6.15	7.90	68	1	½	-----	-----	1	1.00	1.00	1.00	488
10.00	4.00	5.76	6.73	44	-----	-----	-----	-----	12	4.00	.63	1.43	489

PLANTS FURNISHING 75,000,000 AND UNDER 100,000,000 GALLONS.

10.00	4.00	7.48	9.03	50	2	128	—	—	35	(a)	(a)	(a)	490
8.00	4.00	6.17	9.00	66	2	1	—	—	6	3.00	0.75	1.64	491
15.00	1.00	8.80	26.38	5	—	—	—	—	366	3.00	.50	.67	492
10.00	4.00	5.74	5.50	37	—	—	—	—	—	—	—	—	493
14.00	4.00	6.91	9.00	50	—	—	—	—	66	3.00	.50	.88	494
10.00	3.00	6.47	7.33	29	7	19	1	(a)	—	—	—	—	495
10.00	3.00	6.30	7.28	64	1	¾	—	—	29	4.00	.63	1.24	496
12.00	2.00	8.69	c 15.07	d 68	—	—	—	—	25	4.00	.38	1.21	497
16.00	4.00	6.75	15.00	58	—	—	—	—	9	3.00	1.50	2.30	498
10.00	4.00	6.36	4.49	36	—	—	—	—	2	.75	.75	.75	499
20.00	6.00	8.38	16.70	151	—	—	—	—	151	3.00	.50	.72	500
16.00	1.00	4.82	30.42	105	—	—	—	—	65	3.00	.50	.83	501
12.00	1.50	6.36	11.27	86	—	—	—	—	58	2.00	.50	.68	502
10.00	4.00	6.69	7.50	98	—	—	—	—	25	4.00	.50	1.13	503
12.00	2.00	6.40	11.25	101	—	—	—	—	24	2.00	.63	.98	504
8.00	4.00	5.43	6.06	60	—	—	—	—	—	—	—	—	505
10.00	3.00	4.34	13.31	19	—	—	—	—	—	—	—	—	506
16.00	3.00	7.46	34.75	127	6	4½	—	—	—	—	—	—	507
10.00	4.00	4.77	13.40	179	—	—	—	—	27	2.00	.75	.90	508
10.00	1.63	4.89	4.30	26	—	—	—	—	—	—	—	—	509
16.00	4.00	6.86	28.78	126	—	—	—	—	259	2.00	.50	.70	510
16.00	1.00	7.13	18.13	157	—	—	—	—	10	1.50	.63	.85	511
10.00	4.00	5.96	27.42	95	2	3½	—	—	78	6.00	.50	1.18	512
12.00	4.00	7.02	6.51	83	3	¾	—	—	2	1.00	.63	.83	513
10.00	4.00	6.76	8.59	62	—	—	—	—	44	2.00	.63	.82	514
12.00	1.00	8.27	9.53	64	15	12½	1	(a)	—	—	—	—	515
10.00	2.00	3.80	47.63	88	2	1½	—	—	46	1.00	.63	.66	516
12.00	4.00	8.58	5.28	52	—	—	—	—	10	4.00	.50	1.36	517
12.00	1.00	7.19	14.20	84	2	¾	—	—	25	1.50	.75	1.04	518
8.00	3.00	5.33	1.00	29	—	—	—	—	—	—	—	—	519
10.00	4.00	5.43	7.58	81	—	—	—	—	—	—	—	—	520
8.00	4.00	5.71	7.00	37	1	20	—	—	5	2.00	.50	1.07	521
10.00	4.00	6.02	9.05	95	4	2	—	—	—	—	—	—	522

d Including 24 owned by another plant.

e Pumping done by another plant.