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CANADA
DEPARTMENT OF TRADE AND COMMERCE
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REPORT
on the
HOSIERY, KNIT GOODS
and
FABRIC GLOVE INDUSTRY
in
CANADA
1928

Section I Hosiery and Knit goods

" II Fabric gloves

Published by Authority of the Hon. James Malcolm, M.P..
Minister of Trade and Commerce

OTTAWA

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NOTE.- The statistics published in the present statement include only the statistics of such manufacturing establishments as make Hosiery, Knitted goods and Fabric gloves as their principal products. Statistics relating to specific products are therefore not to be regarded as comprehensive, as products like, Hosiery and Knitted goods and Fabric gloves are also found as secondary products of other industries such as Woollen industry.

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
OTTAWA, CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S.(Hon.), F.R.S.C.
Chief, Census of Industry: J. C. Macpherson

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

Ottawa, February, 1930.— A report is herewith presented on the Hosiery, Knit Goods and Fabric Glove Industries in Canada during the calendar year 1928. This report has been divided into 2 sections viz: (1) Hosiery and Knit Goods and (2) Fabric Gloves. In the former there were 158 establishments located as follows:— Ontario 104, Quebec 36, Manitoba 6, Saskatchewan 1, Alberta 3, British Columbia 3, Nova Scotia 4 and New Brunswick 1. Statistics for the last two provinces have been combined and are shown as "Other Provinces", whilst those for Saskatchewan have been combined with Alberta. In the latter section reports were received from 7 establishments, 3 of which were in Ontario; 2 in Quebec and 2 in British Columbia. It has been necessary to combine statistics for the last two provinces also, in order to prevent disclosure of information concerning individual establishments.

Association of Industries

The Hosiery, Knit Goods, Fabric Glove and the Dyeing and Finishing of Textiles industries are so closely associated with the Woollen industries that a condensed summary of the principal statistics of each may be of interest in this connection.

Industry	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
Hosiery and knit goods	158	59,385,994	18,420	14,804,798	30,801,854	57,502,779
Textiles dyeing & finishing	18	4,278,726	930	986,013	824,475	3,104,193
Fabric gloves	7	1,013,932	384	306,024	450,082	1,048,979
Woollen cloth	51	18,274,895	4,045	3,781,749	9,270,861	15,062,081
Woollen yarns	20	8,810,695	1,889	1,416,300	4,789,168	7,706,740
Carpets	22	6,072,610	1,137	1,296,804	2,370,903	5,009,240
Woollen goods n.e.s.	27	8,375,122	1,225	1,207,037	3,494,918	6,909,229
Total	303	106,211,974	28,030	23,798,725	52,002,261	96,343,241

Size of Establishments

In view of the tendency towards concentration in industrial enterprise, a series of tables has been prepared presenting in a threefold way the size of establishments in the Hosiery and Knit Goods industry, measured by (a) capital investment, (b) gross value of production and (c) the number of persons employed, all within certain specified groups or limitations, for the calendar years 1927 and 1928. The tables further indicate the movement of capital, production and employment within the industry.

In 1927 the number of establishments reporting was 159 with a total capital investment of \$55,511,978, a gross value of production of \$53,928,107 and a total employment of 16,732. Fifty-three establishments had a capital investment of \$48,855,546 or 88 per cent of the total capital investment and an average investment per establishment of \$921,803.

Fifty-nine establishments had a gross value of production of \$47,567,101 or 88.2 per cent of the total value of production, and an average output per establishment of \$806,222. In employment 42 establishments had 13,396 persons on the pay-roll or 80 per cent of the total employment and an average of 319 per establishment.

In 1928 the number of establishments reporting was 158 with a total capital investment of \$59,385,994, a gross value of production of \$57,502,779 and a total employment of 18,420. Twenty-two establishments had a capital investment of \$37,367,041 or 62.9 per cent of the total capital investment and an average investment per establishment of \$1,698,502. Seventeen establishments had a gross value of production of \$57,502,779 or 50.32 per cent of the total value of production, and an average output per establishment of \$1,702,192. In employment 31 establishments had 12,184 persons on the pay-roll or 69.27 per cent of the total employment and an average of 393 per establishment.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT

1955

REPORT OF THE RESEARCH GROUP

CHICAGO, ILLINOIS

The following report was prepared by the members of the research group during the year 1955. It contains a summary of the work done in the laboratory of the Department of Chemistry, University of Chicago, during the year 1955. The work was carried out under the direction of the Professor of Chemistry, University of Chicago, and the results are presented in the form of a research report.

Summary of the Work

The work was carried out in the laboratory of the Department of Chemistry, University of Chicago, during the year 1955. The results are presented in the form of a research report.

1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

Size of Establishments (Cont'd.)

(a) Capital invested in establishments grouped according to value, 1927 and 1928.

Groups of Values	1927			1928		
	Estab-lish-ments	Capital invested	Average capital per estab-lishment	Estab-lish-ments	Capital invested	Average capital per estab-lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	55	1,281,280	22,880	59	1,303,301	22,090
\$50,000 to under \$100,000	30	2,311,243	77,041	20	1,491,811	74,591
\$100,000 to under \$200,000	20	3,053,909	153,195	23	3,426,387	148,973
\$200,000 to under \$500,000	18	5,850,653	325,036	21	6,899,497	328,547
\$500,000 to under \$1,000,000	19	14,079,179	741,009	13	8,897,957	684,458
\$1,000,000 and over	16	28,925,714	1,807,857	22	37,367,041	1,698,502
Total	159	55,511,978	349,132	158	59,385,994	375,861

(b) Gross value of production in establishments grouped according to value, 1927 and 1928.

Groups of Values	1927			1928		
	Estab-lish-ments	Gross value of production	Average value per estab-lishment	Estab-lish-ments	Gross value of production	Average value per estab-lishment
	No.	\$	\$	No.	\$	\$
Under \$50,000	51	1,186,937	23,273	47	938,657	19,971
\$50,000 to under \$100,000	25	1,386,770	75,471	27	2,081,528	77,094
\$100,000 to under \$200,000	24	3,287,299	136,971	22	3,135,845	142,538
\$200,000 to under \$500,000	24	6,950,688	289,612	25	7,934,695	317,388
\$500,000 to under \$1,000,000	22	16,682,036	758,274	20	14,474,796	723,740
\$1,000,000 and over	13	23,934,377	1,841,106	17	28,937,258	1,702,192
Total	159	53,928,107	339,171	158	57,502,779	363,942

(c) Employees in establishments by numbers and groups, 1927 and 1928.

Groups of employees	1927			1928		
	Estab-lish-ments	Number of employees	Average number of employees per estab-lishment	Estab-lish-ments	Number of employees	Average number of employees per estab-lishment
	No.	No.	No.	No.	No.	No.
Under 20 employees	55	519	9.4	56	524	9.4
20 to under 50	41	1,360	33.2	35	1,150	32.9
50 to under 100	21	1,457	69.4	19	1,342	70.6
100 to under 200	12	1,707	142.3	17	2,391	140.6
200 to under 500	22	6,280	285.5	24	7,430	309.6
500 and over	8	5,409	676.1	7	4,754	677.1
Total	159	16,732	105.2	158	17,591	111.4

1/ Exclusive of outside piece-workers.

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

Principal Statistics

A summary of the principal statistics for each section of the industry is presented by provinces in Table 1(a) and (b) for the calendar year 1928.

Table 1(a).- Principal Statistics of Hosiery and Knit Goods Industry by provinces, 1928.

Principal Statistics		CANADA	Ontario	Quebec	Manitoba	Saskatchewan and Alberta	British Columbia	New Brunswick and Nova Scotia
Establishments	No.	158	104	36	6	4	3	5
Capital	\$	59,385,994	41,607,366	12,380,493	566,815	56,159	540,597	4,234,564
Employees on salaries -								
Male	No.	738	477	203	12	2	17	27
Female	No.	444	365	60	4	2	3	10
Salaries	\$	2,530,942	1,752,676	589,562	33,699	4,731	46,867	103,407
Wage-earners (average number) -								
Male	No.	5,073	3,478	1,313	28	6	31	217
Female	No.	11,336	8,162	2,350	114	14	120	576
Wages	\$	12,219,952	9,040,226	2,436,347	103,336	13,993	116,370	509,680
Outside piece workers -								
Male	No.	11	11	-	-	-	-	-
Female	No.	818	815	-	-	3	-	-
Amount paid	\$	53,904	52,904	-	-	1,000	-	-
Cost of fuel and electricity	\$	682,072	519,775	123,238	3,061	713	1,973	33,312
Power installation -								
Units	No.	2,183	1,660	380	11	7	57	68
Capacity	H.P.	17,558	13,492	2,355	54	20	88	1,549
Cost of materials	\$	30,801,854	21,198,061	7,373,119	406,176	37,600	235,638	1,551,260
Gross value of products	\$	57,502,779	40,440,494	13,003,734	678,708	89,569	500,560	2,789,634
Net value of products	\$	26,700,925	19,242,433	5,630,615	272,612	51,969	264,922	1,238,374

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

Principal Statistics - Con.

Table 1(b).- Principal statistics of the fabric glove industry by provinces, 1928.

Principal Statistics		CANADA	Ontario	Other Provinces 1/
Establishments	No.	7	3	4
Capital	\$	1,013,932	612,083	401,849
Employees on salaries -				
Male	No.	18	11	7
Female	No.	11	8	3
Salaries	\$	46,962	28,327	18,635
Wage-earners (average number) -				
Male	No.	92	42	50
Female	No.	262	171	91
Wages	\$	258,840	156,150	102,690
Outside piece-workers -				
Male	No.	-	-	-
Female	No.	1	1	-
Amount paid	\$	222	222	-
Cost of fuel and electricity	\$	9,576	5,401	4,175
Power installation -				
Units	No.	114	93	21
Capacity	H.P.	178	112	66
Cost of materials	\$	450,082	243,766	206,316
Gross value of products	\$	1,048,979	536,726	512,253
Net value of products	\$	598,897	292,960	305,937

1/ Includes:- Quebec 2, British Columbia 2.

A comparative statement of the products of both sections of the industry, by groups of commodities, is given in the following table for the calendar years 1927 and 1928.

Classified groups of products	Unit of measure	1927		1928	
		Quantity	Selling Value \$	Quantity	Selling Value \$
Hosiery, all kinds	doz.pr.	3,903,104	18,972,365	4,946,157	21,045,764
Underwear combination	dozen	654,972	7,826,595	718,155	7,909,337
Underwear separate	"	2,070,461	11,849,364	2,008,396	11,973,258
Yarns, all kinds	lb.	2,386,885	1,991,154	2,352,131	2,203,475
Other knitted or woven goods	-	-	12,031,065	-	12,573,216
Gloves, knitted and fabric	doz.pr.	279,918	1,385,014	270,909	1,213,210
All other products	-	-	1,166,838	-	1,633,498
Total	-	-	55,222,395	-	58,551,758

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.
SECTION I.- HOSIERY AND KNIT GOODS

Production

The quantity and selling value at the factory of the various products of the industry during 1928 are given in table 2 for the Dominion and the provinces. Hosiery, silk or silk mixed and silk full fashioned ranks first in value of production with \$10,148,528, followed in order by underwear, separate, all cotton, with a value of \$5,693,825, sweaters, cardigans, etc. with a value of \$6,328,454, hosiery, woollen and worsted, with a value of \$3,385,826, and underwear in combination, all cotton with \$3,848,648. The total value of all products in 1928 was \$57,502,729, which was an increase over 1927 of \$3,574,672 or nearly 6.22 per cent. The province of Ontario leads with 70.3 per cent of the total value of production, Quebec being next with 22.6 per cent whilst the other provinces account for the remaining 7.1 per cent. The statistics relating to New Brunswick and Nova Scotia, and Saskatchewan and Alberta have been combined throughout the tables of this report in order that information regarding individual establishments may not be divulged.

Table 2.- Production of hosiery and knit goods, by provinces, 1928.

Articles manufactured		CANADA		Nova Scotia and New Brunswick 1/	
		Quantity	Selling Value \$	Quantity	Selling Value \$
Hosiery -					
Woollen and worsted	Doz.	790,736	3,385,826	78,925	246,657
Merino or mixed	"	487,425	1,783,925	-	-
Mercerized	"	112,827	265,256	-	-
Cotton	"	1,622,715	1,637,587	-	-
Artificial silk	"	663,491	2,985,713	17,000	120,000
Silk or silk mixed	"	514,735	3,051,323	-	-
Silk, full fashioned	"	587,913	7,097,205	12,076	175,000
Cashmere	"	160,622	802,123	-	-
All other	"	5,158	30,921	-	-
Underwear, combination -					
Merino or mixed	"	97,975	1,810,222	16,363	486,816
All wool	"	42,902	1,030,058	12,844	301,224
All cotton	"	412,401	3,848,648	23,450	285,900
Artificial silk	"	151,995	1,053,283	-	-
Silk or silk mixed	"	11,400	137,479	-	-
Underwear, separate -					
Merino or mixed	"	189,970	1,826,150	19,540	314,481
All wool	"	125,161	1,456,079	19,794	323,328
All cotton	"	1,384,782	5,693,825	39,437	223,827
Artificial silk	"	305,839	2,976,553	13,980	249,800
Silk or silk mixed	"	2,644	20,651	-	-
Woollen yarns for sale	Lb.	1,322,210	1,182,028	21,876	22,876
Worsted yarns for sale	"	844,213	951,342	-	-
Cotton and merino yarns for sale	"	185,708	70,105	-	-
Gloves and mittens	Doz.	99,125	355,451	-	-
Leggings and gaiters	"	19,475	141,010	-	-
Hoods, scarfs, nubbies, caps, etc.	"	55,086	305,688	-	-
Fancy knit goods, wristers, bootees, etc.	"	20,548	185,676	-	-
Jersey suits	"	37,752	442,267	-	-
Sweaters, cardigan, jackets, etc.	"	285,905	6,328,454	644	13,383
Sweater suits and dresses	"	64,240	2,131,069	305	9,147
Bathing suits	"	25,179	473,698	-	-
Blankets	-	-	371,240	-	-
Artificial silk knit goods	-	-	594,124	-	13,785
Knitted outerwear n.s. (value only)	-	-	422,498	-	-
Jersey cloth and stockinette	Yd.	1,274,454	1,229,972	3,552	3,410
Astrakan and similar fabrics	"	10,000	14,500	-	-
Boot and shoe linings and felts	Lb.	166,107	105,173	-	-
Mufflers	Doz.	8,392	92,606	-	-
Neckwear, knitted and other	"	7,789	49,987	-	-
Hackinaw cloth	Yd.	66,700	73,332	-	-
All other products (value only)	-	-	585,064	-	-
Amount received for contract and custom work (value only)	-	-	503,668	-	-
Total Selling value of Products	-	-	57,502,779	-	2,789,634

1/ Includes Nova Scotia 3, New Brunswick 2.

REPORT ON THE PROGRESS OF THE WORK OF THE COMMISSION DURING THE YEAR 1900

CONTENTS

The Commission was organized on the 1st of January, 1900, and during the year it has been engaged in the study of the various questions connected with the administration of the Government. It has held numerous public hearings, and has received many suggestions from the public. It has also conducted extensive research into the various problems connected with the Government, and has prepared a number of reports on these subjects. The following is a summary of the work of the Commission during the year 1900.

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.
SECTION I.- HOSIERY AND KNIT GOODS

Production - Cont'd.

Table 2.- Production of hosiery and knit goods, by provinces, 1928.

Articles manufactured		Quebec		Ontario	
		Quantity	Selling Value \$	Quantity	Selling Value \$
Hosiery -					
Woollen and worsted	Doz.	240,222	1,021,158	465,181	2,085,767
Merino or mixed	"	166,905	419,278	320,520	1,364,647
Mercerized	"	-	-	112,827	265,256
Cotton	"	29,955	72,452	1,592,760	1,565,135
Silk or silk mixed	"	93,890	320,666	420,845	2,730,657
Artificial silk	"	56,685	231,409	589,806	2,634,304
Silk full fashioned	"	295,012	3,679,971	280,825	3,242,234
Cashmere	"	4,000	22,201	156,622	779,922
All other	"	50	175	5,108	30,746
Underwear, combination -					
Merino or mixed	Doz.	26,606	263,216	55,006	1,060,190
All wool	"	639	7,196	29,419	721,638
All cotton	"	46,780	458,903	342,171	3,103,845
Artificial silk	"	779	9,729	151,216	1,043,554
Silk or silk mixed	"	3,520	90,707	7,880	46,772
Underwear, separate -					
Merino or mixed	Doz.	45,236	291,465	125,194	1,220,204
All wool	"	9,635	50,022	95,732	1,082,729
All cotton	"	115,763	716,369	1,229,582	4,753,629
Artificial silk	"	44,007	330,264	247,852	2,396,489
Silk or silk mixed	"	-	-	2,644	20,651
Woollen yarns for sale	Lbs.	584,611	279,003	715,723	880,149
Worsted yarns for sale	Lbs.	586,382	596,114	257,831	355,228
Cotton and merino yarns for sale	"	3,708	2,055	182,000	68,050
Gloves and mittens	Doz.	49,853	148,994	49,272	206,457
Leggings and gaiters	"	15,168	93,537	4,307	47,473
Hoods, scarfs, nubias, caps, etc.	"	11,596	46,743	41,945	251,715
Fancy knit goods, wristers, booties, etc.	"	1,881	16,842	18,545	167,920
Jersey suits	"	1,134	19,884	36,618	422,383
Sweaters, cardigan jackets, etc.	"	117,300	2,138,631	140,743	3,252,057
Sweater suits and dresses	"	15,517	562,717	41,852	1,275,745
Bathing suits	"	1,596	22,326	22,951	430,686
Blankets	-	-	-	-	371,240
Artificial silk knit goods	-	-	27,222	-	553,117
Knitted outerwear, n.s.(value only)	-	-	260,106	-	162,392
Jersey cloths and stockinette	Doz.	622,172	580,540	648,690	646,022
Astrakhan and similar fabrics	"	-	-	10,000	14,500
Boot and shoe linings and felts	Lbs.	-	-	166,107	106,173
Mufflers	Doz.	-	-	8,392	92,606
Neckwear, knitted and other	"	889	1,722	6,900	48,265
Hackinaw cloth	Yd.	66,700	73,332	-	-
All other products (value only)	-	-	143,634	-	441,430
Amount received for contract and custom work (value only)	-	-	5,151	-	498,517
Total Selling Value of Products	-	-	13,003,734	-	40,440,494

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928
SECTION I. HOSIERY AND KNIT GOODS

Production - Cont'd.

Table 2.- Production of Hosiery and Knit Goods, by provinces, 1928 - Cont'd.

Articles manufactured		Manitoba		Saskatchewan and Alberta		British Columbia	
		Quantity	Selling Value	Quantity	Selling Value	Quantity	Selling Value
			\$		\$		\$
Hosiery -							
Woollen and worsted	Doz.	-	-	5,973	30,069	-	2,175
Merino or mixed	"	-	-	-	-	-	-
Mercerized	"	-	-	-	-	-	-
Cotton	"	-	-	-	-	-	-
Artificial silk	"	-	-	-	-	-	-
Silk or silk mixed	"	-	-	-	-	-	-
Elastic	"	-	-	-	-	-	-
All other	"	-	-	-	-	-	-
Underwear, combination -							
Merino or mixed	"	-	-	-	-	-	-
All wool	"	-	-	-	-	-	-
All cotton	"	-	-	-	-	-	-
Artificial silk	"	-	-	-	-	-	-
Silk or silk mixed	"	-	-	-	-	-	-
Underwear, separate -							
Merino or mixed	"	-	-	-	-	-	-
All wool	"	-	-	-	-	-	-
All cotton	"	-	-	-	-	-	-
Artificial silk	"	-	-	-	-	-	-
Silk or silk mixed	"	-	-	-	-	-	-
Woollen and worsted yarns							
for sale	Lb.	-	-	-	-	-	-
Cotton and merino yarns							
for sale	"	-	-	-	-	-	-
Gloves and mittens	Doz.	-	-	-	-	-	-
Leggings and gaiters	"	-	-	-	-	-	-
Hoods, scarfs, nubias, caps, etc.	"	1,545	7,230	-	-	-	-
Fancy knit goods, wristers, bootees	"	-	914	-	-	-	-
Jersey suits	"	-	-	-	-	-	-
Sweaters, cardigan jackets, etc.	"	19,494	607,508	760	59,500	6,965	257,375
Sweater suits and dresses	"	1,508	63,136	-	-	5,058	220,324
Bathing suits	"	-	-	-	-	632	20,686
Blankets	"	-	-	-	-	-	-
Artificial silk knit goods	Yd.	-	-	-	-	-	-
Jersey cloth and stockinette	"	-	-	-	-	-	-
Astrakhan and similar fabrics	"	-	-	-	-	-	-
Boot and shoe lining and felts	Lb.	-	-	-	-	-	-
Mufflers	Doz.	-	-	-	-	-	-
Neckwear, knitted and other	"	-	-	-	-	-	-
Hackinaw cloth	Yd.	-	-	-	-	-	-
All other products (value only)	-	-	-	-	-	-	-
Amount received for contract and custom work (value only)	-	-	-	-	-	-	-
Total Selling Value of Products	-	-	678,788	-	89,569	-	500,560

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

SECTION I.- HOSIERY AND KNIT GOODS

Capital Investment

The total capital investment in the Hosiery and Knit goods section of the industry is shown by classes and provinces in Table 3 for the calendar year 1928. Fixed capital, which comprises the value of land, buildings and machinery and tools amounted to \$32,509,770 in 1927 as compared with \$30,255,740 in 1928. This amount is practically one half of the total capitalization. Working capital which included materials and stocks on hand, cash, trading and operating accounts, etc. in 1928 totalled \$29,130,254 of which materials and stocks represented \$16,843,920 and cash, trading and operating accounts, etc. \$12,286,334. The province of Ontario provided 70.06 per cent of the total investment amounting to \$41,607,366, Quebec being next with \$12,380,493 or 20.85 per cent, whilst the remaining provinces contributed \$5,398,135 or 9.09 per cent.

Table 3.- Capital invested by classes and provinces, 1928.

Provinces	Estab- lish- ments	Fixed Capital	Working Capital		Total Capital
		Land, buildings, machinery and tools	Materials and stocks on hand, stocks in process, etc.	Cash, trading and operating accounts, etc.	
	No.	\$	\$	\$	\$
CANADA	158	30,255,740	16,843,920	12,286,334	59,385,994
Ontario	104	21,753,735	12,071,271	7,782,360	41,607,366
Quebec	36	6,929,249	3,659,125	1,792,119	12,380,493
Manitoba	6	264,335	217,548	84,932	566,815
Alberta and Saskatchewan	4	22,125	18,954	15,080	56,159
British Columbia	3	271,452	207,364	61,781	540,597
Nova Scotia and New Brunswick	5	1,014,844	669,658	2,550,062	4,234,564

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

SECTION I - HOSIERY AND KNIT GOODS

Employment Statistics

Statistics of employment in the Hosiery and Knit Goods industry are presented in a series of tables as follow:- Table 4 - Employees classified by number, sex and remuneration, 1928. Table 5 - Employment of wage-earners by months, 1928 and Table 6 - Working time of plants and employees, 1928.

Table 4 - Employees, salaries and wages:- The number of salaried employees increased in 1928 by 167 whilst the amount of salaries paid increased by \$264,571. The number of wage-earners increased during 1928 by 692 and the amount paid for wages by \$706,299. Piece-workers outside the establishments increased by 23 in number and by \$9,176 in payment for work done.

Table 4.- Employees, salaries and wages, by provinces, 1928.

Provinces	Salaried Employees			Employees on Wages			Outside Piece-Workers			Total Employees		
	Male	Female	Total	Male	Female	Total	Male	Female	Amount	Male	Female	Salaries,
	No.	No.	\$	No.	No.	\$	No.	No.	\$	No.	No.	\$
CANADA	738	444	2,530,942	5,073	11,336	12,219,952	11	818	53,904	5,822	12,598	14,804,798
Ontario	477	365	1,752,676	3,478	8,162	9,040,226	11	815	52,904	3,966	9,342	10,845,806
Quebec	203	60	589,562	1,313	2,350	2,436,347	-	-	-	1,516	2,410	3,025,909
Manitoba	12	4	33,699	28	114	103,336	-	-	-	40	118	137,035
Alberta and Saskatchewan	2	2	4,731	6	14	13,993	-	3	1,000	8	19	19,724
British Columbia	17	3	46,867	31	120	116,370	-	-	-	48	123	163,237
Nova Scotia and New Brunswick	27	10	103,407	217	576	509,680	-	-	-	244	586	613,087

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928

SECTION I.- HOSIERY AND KNIT GOODS

Employment Statistics - Cont'd.

Employment by months.- The number of wage earners employed during each month of the year is shown in Table 5 by sex. The months of highest employment in 1928 were October, November and December, each with a total employment of 16,917, 17,265 and 17,243 respectively, whilst those of lowest employment were August, January and February with respective totals of 15,966, 15,857 and 15,877. The percentage of employment by sex was approximately 69 per cent for females and 31 per cent for males. The average employment by months in the tables of this report is the sum of the averages of individual plants based on the months in actual operation and not the average for the calendar year.

Table 5.- Employment by Months and Sex, 1928.

Months	Males	Females	Total
	No.	No.	No.
January	4,912	10,945	15,857
February	4,953	10,924	15,877
March	5,014	11,104	16,118
April	5,063	11,360	16,423
May	5,041	11,353	16,394
June	5,043	11,299	16,342
July	5,001	11,057	16,058
August	4,969	10,997	15,966
September	5,062	11,133	16,195
October	5,221	11,696	16,917
November	5,372	11,893	17,265
December	5,439	11,804	17,243
Total employment by months	61,090	135,565	196,655
Average employment by months	5,073	11,336	16,409

Working time of plants and employees.- The operating time of plants in the Dominion is shown in table 6 according to (a) full time, (b) part time and (c) idle, whilst the hours of labour of employees are shown by the number of hours worked per day or shift and per week. The operating time of plants whether on full or part time fell from an average of 283.78 days in 1927 to 283.20 days in 1928, a net decrease per plant of .58 days. Hours worked by employees show little variation when compared with 1927 when the hours per week totalled 7,701 as compared with 7,679 in 1928. These differences indicate little change in labour conditions in the industry during 1928.

Table 6.- Working time of plants and employees, 1928.

Establishments reporting	158	
	Totals	Average per plant
Days plants were operating		
On full time	41,069	259.93
On part time	3,676	23.27
Idle	3,287	20.80
Hours worked by employees -		
Per day or shift	1,390	8.80
Per week	7,679	48.60

REPORT OF THE BOARD OF DIRECTORS
OF THE COMPANY FOR THE YEAR 1900

REPORT OF THE BOARD OF DIRECTORS
OF THE COMPANY FOR THE YEAR 1900

REPORT OF THE BOARD OF DIRECTORS
OF THE COMPANY FOR THE YEAR 1900

The Board of Directors of the Company has the honor to acknowledge the receipt of the report of the Management for the year 1900, and to express its appreciation of the efforts of the Management in the discharge of its duties. The report shows that the Company has made considerable progress in the development of its business, and that the financial position is satisfactory. The Board is confident that the Company will continue to prosper in the future.

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

SECTION I.- HOSIERY AND KNIT GOODS

Employment Statistics - Cont'd.

The number and the percentage of wage-earners in month of highest employment working specified hours per day is shown in table 9, for Canada and the provinces. From a study of the table it will be seen that in the hosiery and knit goods industry the hours of labour predominating were 9 hour day in Nova Scotia and New Brunswick, Ontario and British Columbia, the 10 hour day in Quebec and the 8 hour day in Alberta, Saskatchewan and Manitoba. The percentage of wage-earners in the Dominion working 8 hours per day or less was 13.10, for those working 9 hours 66.46, whilst for those working 10 hours and over per day it was 20.44.

Table 9.- Hours worked by wage-earners in months of highest employment, 1928.

Provinces	Wage-earners in months of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
	No.	No.	No.	No.	No.	No.	No.	No.
CANADA	2,412	12,240	3,430	335	13.10	66.46	18.62	1.82
Nova Scotia and New Brunswick	-	699	163	-	-	81.09	18.91	-
Quebec	123	1,769	2,144	164	2.93	42.12	51.05	3.90
Ontario	2,145	9,553	1,119	160	16.53	73.62	8.62	1.23
Manitoba	99	63	-	11	57.22	36.42	-	6.36
Alberta and Saskatchewan	17	-	4	-	80.95	-	19.05	-
British Columbia	28	156	-	-	15.22	84.98	-	-

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table 10. It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 9.08, whilst the average standard weekly hours worked out at 48.60 per plant.

Table 10.- Hours of labour per day and per week, 1928.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total Wage-earners	Average hours per day per wage-earner	Total	Average
	No.	No.	No.	No.	No.
CANADA	167,274	18,427	9.08	7,679	48.60
Nova Scotia and New Brunswick	7,921	862	9.19	268	53.60
Quebec	40,067	4,200	9.54	1,817	50.47
Ontario	116,007	12,977	8.94	4,998	48.06
Manitoba	1,475	173	8.52	275	45.83
Alberta and Saskatchewan	176	21	8.38	184	46.00
British Columbia	1,628	184	8.85	137	45.67

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.
SECTION I.- HOSIERY AND KNIT GOODS

Equipment of Plants

Table 7 shows the equipment of the plants reported during 1928 with comparative figures for 1927.

Table 7.- Equipment in the hosiery and knitting mills, 1927 and 1928.

Classes of equipment	1927	1928
Sets of cards	232	232
Mule spindles	66,605	68,877
Frame spindles	34,432	34,304
Doubling and twisting spindles	8,521	9,555
Sewing machines	5,194	5,982
Knitting machines, power	13,787	14,693
Knitting machines, hand	465	388
Loopers	240	233
Winders	61	109
All other equipment 1/	278	269

1/ Includes 197 looping and welting machines, 2 clocking machines, 5 twistors, 3 pickers and 62 other miscellaneous in 1928.

Materials Used

The quantity and cost value of the principal materials used during 1928 are shown in Table 8, for the Dominion as a whole. The total cost of all materials used in 1928 was \$30,801,854, an increase from 1927 of \$3,092,109 or an increase of more than 11 per cent. Yarns of various kinds formed the principal item of materials used, the cost being \$22,027,669 or 71.5 per cent of the total cost of all materials.

Table 8.- Principal materials used, 1928.

Materials	Unit	Quantity	Cost Value at Factory \$
Cotton, raw	lb.	3,599,316	770,894
Wool, raw	"	4,026,077	1,780,405
Thrown silk, raw	"	67,432	352,981
Yarns -			
Cotton	lb.	9,703,267	4,143,110
Wool	"	4,969,705	3,707,034
Worsted	"	3,986,283	4,445,049
Merino	"	714,116	734,692
Silk	"	594,478	3,299,348
Artificial silk (rayon)	"	3,367,995	4,241,949
Artificial silk, mixtures	"	20,020	20,061
Silk, mixed	"	29,618	60,227
Mercerized yarn	"	1,523,709	1,347,333
Other hosiery and underwear yarns	"	41,655	28,866
Cotton waste	"	2,121,276	363,949
Wool waste and noils	"	1,047,350	338,628
Tops	"	2,227,288	1,614,603
Shoddy, mungo and wool extract	"	1,439,713	169,681
Sateens and other fancy cloths	yd.	515,849	112,089
Cotton piece goods	"	1,415,672	199,083
Woollen piece goods	"	194,340	149,396
Elastic webbing and cord (value only)	-	-	176,694
Thread, buttons and fasteners (value only)	-	-	692,009
Laces, braids and trimmings (value only)	-	-	315,358
Leather (value only)	-	-	66,045
Soaps, soda, etc.	-	-	177,407
Dyestuffs, chemicals (value only)	-	-	409,604
All other materials (value only)	-	-	164,685
Containers (value only)	-	-	920,674
Total Cost of Materials	-	-	30,801,854

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.
SECTION I.- HOSIERY AND KNIT GOODS

Fuel Statistics

The quantity and cost value of the various kinds of fuel used in this section of the industry is given in Table 9 for the calendar year 1928. Out of a total expenditure for all fuel of \$514,065, coal of all kinds accounted for \$488,697 or 95 per cent, gas takes second place with 2 per cent, whilst fuel oils occupy third position with 1.37 per cent. The number of boilers installed for all purposes during 1928 was 146 with a boiler horsepower capacity of 14,024.

Table 9.- Fuel consumption, 1928.

Kinds of fuel	Unit of measure	Quantity	Cost Value \$
Bituminous coal	ton	74,504	474,872
Anthracite coal	"	3,161	13,825
Lignite coal	"	-	-
Coke	"	1,526	6,737
Gasoline	gallon	58	17
Oil (fuel)	"	90,847	7,045
Wood	cord	186	1,064
Gas	m.c.ft.	19,534	10,445
Other fuel	-	-	60
Total	-	-	514,065

Power Installation

The power installed in the industry is given in table 10 for the calendar year 1928, by (a) classes of power, (b) number of units in each class and (c) horse power capacity according to manufacturers' rating. Electricity is again the principal motive power employed with a total installation of 1,884 motors generating 9,210 horse power. The total cost of electricity purchased for power and other purposes in 1928 amounted to \$168,007 as compared with an expenditure of \$172,068 in 1927.

Table 10.- Power installation, 1928.

Classes of Power	Number of Units	Horse Power Capacity
Steam engines and turbines	25	3,195
Oil, gas and gasoline engines	13	1,013
Hydraulic turbines or water wheels	25	2,148
Electric motors operated by purchased power	1,884	9,210
Total Power used in manufacturing	1,947	15,566
Electric motors operated by power generated at the factory	236	1,992
Total Electric motors	2,120	11,202
TOTAL POWER INSTALLATION	2,183	17,558

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-14-
HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928
SECTION I.- HOSIERY AND KNIT GOODS

Imports and Exports

The quantity and value of raw or partly manufactured materials and wholly manufactured articles of hosiery underwear and other knitted goods imported into Canada for consumption during the calendar year 1928 is given in Table 11. The value of knitted articles, the produce of Canada, exported from Canada during the same period is shown in Table 12. The total value of raw, partly manufactured and fully manufactured goods imported for consumption during the calendar year was \$18,577,442, of which the United Kingdom supplied \$8,607,364, the United States \$6,101,967 and all Other Countries \$3,868,111. Of the total imports, materials in the raw state were valued at \$5,870,448, in the partly manufactured state at \$7,683,242, whilst goods in the fully manufactured condition were valued at \$5,023,752.

Table 11.- Imports of raw, partly manufactured materials and manufactured knitted goods, 1928.

Articles Imported		United Kingdom		United States		Other Countries	
		Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
1/							
Yarns, woollen and worsted	lb.	2,472,124	2,562,570	1,801	1,935	63,092	73,455
Yarns, composed chiefly of merino wool but not containing silk, etc.	1/ lb.	1,196,873	1,598,732	-	-	27,610	40,203
Yarns, knitting, hosiery, etc. dyed or not, n.o.p.	2/ lb.	1,106,496	1,180,760	847	987	57,434	76,920
Silk, raw, or as reeled from the cocoon	lb.	888	2,876	836,427	4,304,456	310,594	1,563,116
Yarns, threads, and filaments of artificial silk, not coloured	lb.	52,371	73,884	23,054	28,118	1,911,317	1,831,111
Yarns, threads, etc. of artificial silk, not to contain silk, n.o.p.	lb.	13,829	22,569	21,312	38,223	9,805	12,007
Yarns and warps wholly of thrown silk for use by mfrs. of underwear, etc.	lb.	37,910	114,667	4,190	16,391	5,010	10,710
Socks and stockings -							
Cotton	doz. pr.	11,538	29,407	437,522	616,418	103,121	96,955
Silk	" "	8,386	62,621	75,142	566,275	3,526	41,594
Silk, artificial	" "	61,704	311,111	176,910	390,105	7,246	32,640
Wool	" "	514,362	2,161,695	35,442	41,600	3,478	33,578
Undershirts and drawers -							
Cotton	-	-	19,040	-	58,142	-	24,136
Silk	-	-	718	-	1,282	-	664
Wool	-	-	425,901	-	14,623	-	12,326
Knitted goods of wool, not exceeding 5 oz. to the sq. yd.	sq. yd.	38,650	20,146	130	152	6,624	5,331
Knitted fabrics of wool n.o.p.	yd.	20,153	20,667	13,774	23,260	9,315	13,365
Total Value	-	-	8,607,364	-	6,101,967	-	3,868,111

1/ Nine months. 2/ Three months.

The value of Canadian manufactured goods exported during the calendar year 1928 was \$619,140. Of this total \$570,424 or 92 per cent had its destination within the British Empire.

Table 12.- Exports of Knitted goods, by countries, 1928.

	United Kingdom	United States	Other Countries
	\$	\$	\$
Socks and stockings of all kinds	5,724	477	405,689
Underwear, cotton	22,268	1,458	136,547
Underwear, woollen	-	2,512	34,465
Total	37,992	4,447	576,701

HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

SECTION II.- FABRIC GLOVES

Size of Establishments

The size of establishments in the Fabric glove industry, owing to the limited number of plants reporting, and having regard for the divulging of individual statistics, is ~~for these~~ reasons necessarily not so complete as in the hosiery and knit goods industry.

Of the seven establishments reporting in 1928, four concerns had a capital investment of \$50,000 or less whilst the remaining three had a capital exceeding \$100,000 and upwards. The average capital investment in the 7 establishments being \$144,847, as compared with an average for 9 establishments in 1927 of \$149,000. In gross value of production in 1928, four plants had a total output under \$100,000 whilst the remaining three had an output ranging from \$100,000 to under \$500,000 the average output per plant being \$149,854 as compared with \$143,810 in 1927.

In the number of persons employed in 1928 four plants had less than 50 employees each whilst the other three had from 50 to under 200 employees per plant, the average for the seven plants being 55 in 1928 as compared with 54 in 1927 for 9 plants.

Production

The quantity and value of fabric gloves manufactured during the calendar year 1928 is given by provinces in table 1. There was a considerable decline in the value of production over the amount reported for the previous year - the total value in 1927 being \$1,294,288, whilst for the period covered by this report the amount was \$1,048,979 or a decrease of \$245,300.

Table 1.- Production of fabric gloves, by provinces, 1928.

	CANADA		Ontario		Quebec and Br. Columbia	
	Quan- tity	Value \$	Quan- tity	Value \$	Quan- tity	Value \$
Dress gloves, lined and unlined, men's, women's, and children's doz.pr.	66,924	716,593	26,509	287,258	40,415	429,335
Working gloves, mittens and gauntlets lined and unlined, men's and boy's "	104,860	141,166	38,960	59,448	65,900	81,718
All other products	-	191,220	-	190,020	-	1,200
Total	-	1,048,979	-	536,726	-	512,253

Capital Investment

The capital invested in this section of the industry is shown by provinces for the calendar year 1928 in Table 2. Out of a total capitalization of \$1,013,932, the province of Ontario contributed \$612,083 or a little more than 60 per cent.

Table 2.- Capital employed, by provinces, 1928.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, machinery, fixtures and tools	Materials on hand, stocks in process, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
CANADA	473,387	391,315	149,230	1,013,932
Ontario	251,893	275,244	84,946	612,083
Other Provinces 1/	221,494	116,071	64,284	401,849

1/ Includes Quebec and British Columbia.

ORIGINAL ARTICLES

SYMPTOMS OF THE DISEASE

The following is a list of the symptoms of the disease, as observed in the cases reported in the literature. The symptoms are arranged in the order of their frequency of occurrence.

The first symptom observed in the majority of cases is a general feeling of malaise, accompanied by a loss of appetite and a slight fever. This is followed by a more pronounced fever, which may be accompanied by chills and rigors. The fever is usually of the intermittent type, and may last for several days. The patient may also experience a headache, a sore throat, and a cough. In some cases, the patient may develop a skin rash, which is usually of the maculopapular type. The disease is usually self-limiting, and the patient may recover within a few days. However, in some cases, the disease may be complicated by pneumonia, meningitis, or other serious conditions. The mortality rate is usually low, but may be higher in certain cases.

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.

SECTION II. FABRIC GLOVES

Employment Statistics

The number of persons employed in the industry during the calendar year 1928 is given by provinces in Table 3 by (a) classes of employment, (b) sex and (c) salary and wage payments. The number of employees decreased from 1927 by 413 and the amount paid in salaries and wages by \$95,786, by reason of two firms having ceased operations.

Table 3.- Employees, salaries and wages, 1928.

	Employees on Salaries			Employees on Wages			Outside Piece Workers			Total		
	M.	F.	Salaries	M.	F.	Wages	M.	F.	Amount paid	M.	F.	Salaries and Wages
CANADA	18	11	\$ 46,962	92	262	\$ 258,840	-	1	\$ 222	110	274	\$ 306,024
Ontario	11	8	28,327	42	171	156,150	-	1	222	53	180	184,699
Other Provinces	7	3	18,635	50	91	102,690	-	-	-	57	94	121,325

The number of days the establishments were in operation during the calendar year 1928 together with the number of hours per day and per week normally worked by wage-earners is given in table 4. The number of wage-earners employed during the same period is given by sex and by months in Table 5(a). Employment reached its maximum in November and December with totals of 389 and 392 respectively, whilst the minimum number reported was 305 in the month of January. The average employment by months in table 5(a) is the sum of the averages of individual plants based on the months of actual operation and not for the calendar year.

Table 4.- Days in operation and hours worked, 1928.

Number of establishments in operation	7	
	Total	Average per establishment
Number of days in operation on full time	1,864	266.28
Number of days in operation on part time	206	29.43
Number of days idle	58	8.29
Hours worked by wage-earners per day or shift	60	8.57
Hours worked by wage-earners per week	332	47.43

Table 5(a).- Wage-earners employed by months, 1928.

Months	Male No.	Female No.	Months	Male No.	Female No.
January	70	235	July	93	264
February	79	251	August	94	268
March	87	246	September	95	255
April	88	241	October	102	285
May	90	252	November	104	285
June	83	269	December	102	290
Total				1,092	3,141
Average number employed by months during the year				92	262

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HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928
SECTION II. FABRIC GLOVES

Employment Statistics - Cont'd.

The number and percentage of wage-earners in month of highest employment working specified hours is shown in table 5(b) for Canada and the provinces. From this table it will be noted that the percentage of wage-earners is highest in the group working 9 hours per day in both the Dominion and the provinces. Ontario shows greater variation in the working day than the other provinces there being 91.60 per cent working 9 hours, .40 per cent working 10 hours and 8.00 per cent working over 10 hours.

Table 5(b).- Hours worked by wage-earners in month of highest employment, 1928.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
	No.	No.	No.	No.	No.	No.	No.	No.
CANADA	6	380	1	20	1.48	93.37	.24	4.91
Ontario	-	229	1	20	-	91.60	.40	8.00
Quebec and British Columbia	6	151	-	-	3.82	96.18	-	-

The hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in table 5(c). It should be noted that the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, whilst those in columns 4 and 5 represent the total standard weekly hours of labour for the number of establishments reporting to the Bureau.

The average daily hours of labour computed on the above basis was for the Dominion 9.06 whilst the average weekly hours worked out at 47.43 per establishment.

Table 5(c).- Hours of labour per day and per week, 1928.

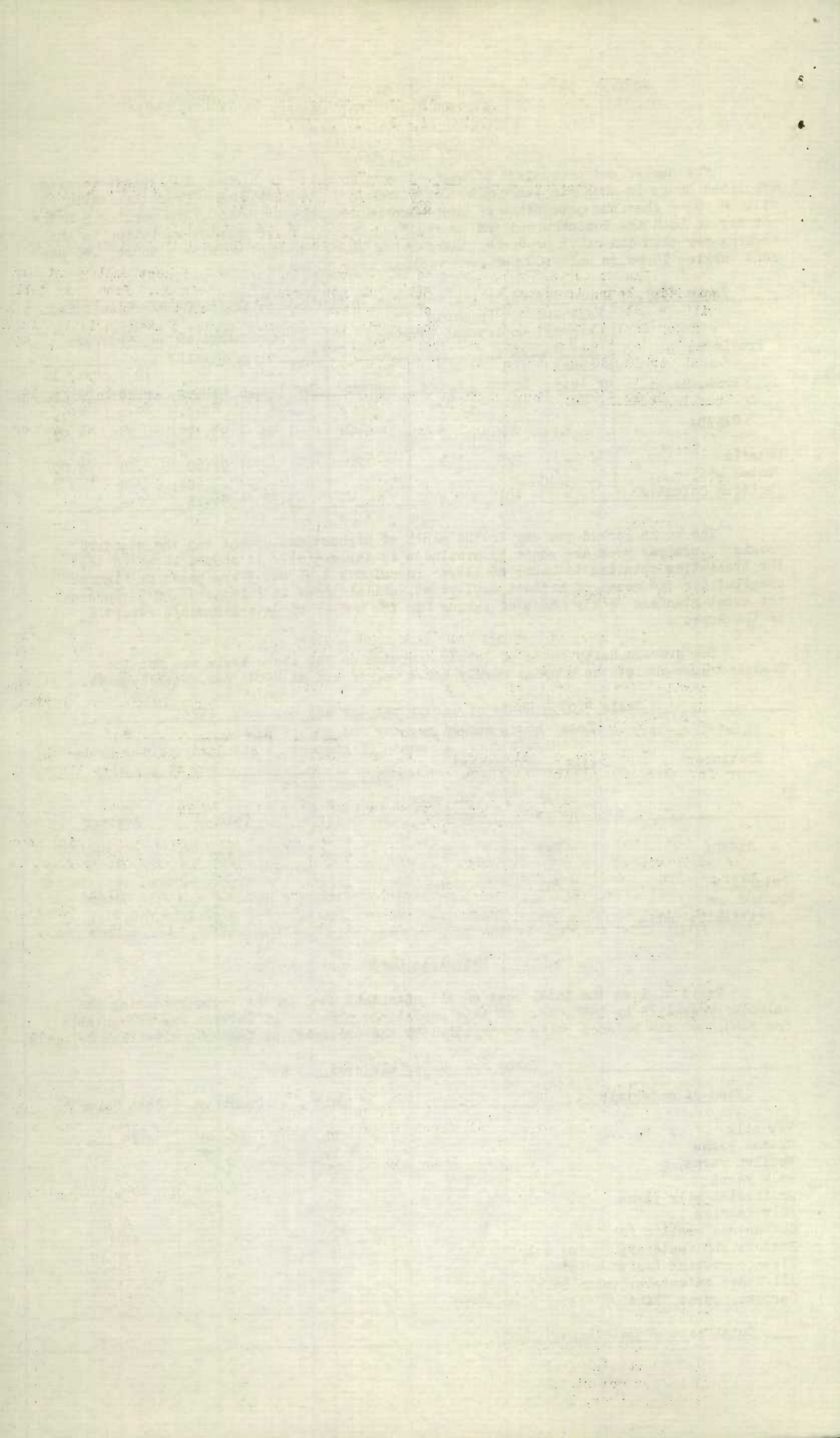
Provinces	Total hours worked per day and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total	Average
CANADA	3,688	407	9.06	332	47.43
Ontario	2,281	250	9.12	150	50.00
Quebec and British Columbia	1,407	157	8.96	182	45.50

Materials Used

Table 6 gives the total cost of all materials used in the industry during the calendar year 1928 as \$450,082. Of this amount the province of Ontario was accountable for \$243,766, the balance being contributed by the provinces of Quebec and British Columbia.

Table 6.- Materials used, 1928.

Kind of materials	Unit	Quantity	Cost Value
			\$
Raw silk	lb.	18,491	89,125
Cotton yarns	lb.	1,959	880
Woollen yarns	lb.	-	-
Silk yarns	lb.	31,070	166,591
Artificial silk yarns	lb.	1,350	2,652
Silk fabrics	lb.	6,163	8,320
Cotton and woollen fabrics	yd.	52,198	11,178
Buttons and fasteners (value only)	-	-	13,619
Elastic webbing (value only)	-	-	1,818
All other materials (value only)	-	-	140,853
Cartons, cases, labels, etc. (value only)	-	-	15,046
Total cost of materials	-	-	450,082



HOSIERY, KNIT GOODS AND FABRIC GLOVE INDUSTRIES IN CANADA, 1928.
SECTION II.- FABRIC GLOVES

Fuel Statistics

The quantity and cost value of the various kinds of fuel used in the industry during the calendar year 1928 is given in table 6. Coal of all kinds is the principal item of fuel consumed with a total expenditure of \$6,768 which is equivalent to 96.15 per cent of the total fuel costs. The cost of electricity purchased in 1928 was \$2,537 as compared with an outlay of \$4,288 in 1927.

Table 6.- Fuel consumption, 1928.

Kinds of fuel	Unit of measure	Quantity	Cost Value \$
Bituminous coal	ton	871	6,223
Anthracite coal	"	56	545
Wood	cord	30	249
Gas (artificial or natural)	m.c.ft.	30	22
Electricity purchased	-	-	2,537
Total Fuel and Electricity	-	-	9,576

Power Installation

The power utilized in this section of the industry during the calendar year 1928 is given in Table 7, by (a) classes of power, (b) number of units in each class and (c) horse power capacity according to manufacturers' rating. The only power reported as used by the industry was electric with a total of 178 horse power.

Table 7.- Power Installation, 1928.

Classes of Power	Number of Units	Horse Power Capacity
Electric motors operated by purchased power	114	178
Total	114	178

Imports and Exports

The value of fabric gloves imported into and exported from Canada during the calendar year 1928 is given in table 8. Of the imports accredited to other countries Germany alone contributed \$797,409 and France \$50,869. The total value of imports in 1928 amounted to \$1,573,232. The total value of Canadian produce exported during the calendar year was \$206,637 of which \$180,742 was destined for Australia and \$18,565 to New Zealand. The increase in the value of exports over 1927 was \$3,337 or 1.64 per cent.

Table 8.- Imports and Exports, 1928.

Articles	Imports			Exports		
	United Kingdom	United States	Other Countries	United Kingdom	United States	Other Countries
	\$	\$	\$	\$	\$	\$
Gloves and mitts, knitted, cut from fabric, etc.	513,414	78,508	971,111	-	--	-
Gloves and mittens (textile) n.o.p.	1,628	6,328	2,243	2,357	671	203,609
Total	515,042	84,836	973,354	2,357	671	203,609

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FROM: DR. J. H. GOLDSTEIN
TO: DR. R. M. MAYER

SUBJECT: RESEARCH ON THE
KINETICS OF THE REACTION
OF HYDROGEN PEROXIDE
WITH FERROUS SULFATE

REFERENCE: J. H. Goldstein, R. M. Mayer,
J. Am. Chem. Soc., 83, 1234 (1961)

ABSTRACT: The reaction of hydrogen peroxide
with ferrous sulfate in the presence of
potassium persulfate has been studied.
The reaction is first order in hydrogen
peroxide and second order in ferrous sulfate.

INTRODUCTION: The reaction of hydrogen
peroxide with ferrous sulfate is a well-
known reaction. It has been studied
extensively in the literature. The
reaction is first order in hydrogen
peroxide and second order in ferrous sulfate.

EXPERIMENTAL: The reaction was studied
in the presence of potassium persulfate.
The reaction was first order in hydrogen
peroxide and second order in ferrous sulfate.

DISCUSSION: The reaction is first order
in hydrogen peroxide and second order
in ferrous sulfate. The reaction is
catalyzed by potassium persulfate.

CONCLUSION: The reaction of hydrogen
peroxide with ferrous sulfate is first
order in hydrogen peroxide and second
order in ferrous sulfate.

APPENDIX "A"

Manufactures of Hosiery and Knit Goods, 1923.

<u>Name</u>	<u>Address</u>
<u>NOVA SCOTIA -</u>	
Kerr & Lynch Ltd.	Eureka
Nova Scotia Textiles Ltd.	Windsor
Stanfields Limited	Truro
Eastern Hosiery Mills, Ltd.	62 Elm, Truro
<u>NEW BRUNSWICK -</u>	
Atlantic Underwear Ltd.	Church St., Moncton, Box 362
<u>QUEBEC</u>	
Infant Knit Mfg. Co.	6407 Boyer, Montreal
Three Rose Knitting Co. Ltd.	Acton Vale
✓ Acme Glove Works Ltd.	Joliette
✓ The Butterfly Hosiery Co. Ltd.	Drummondville
Canadian U.S. Knitting Co.	St. Hyacinthe
Celtic Knitting Co. Ltd.	78 Turgeon St., Montreal
Thadie Dalcourt	St. Felix de Valois
Dominion Knitting Co.	5 & 11 St. Paul St., Joliette
The Duval Hosiery Ltd.	904 Beaubien E., Montreal
Empire Knitting Co.	4361 de Bullion, Montreal
The Fainer Knitting Mills Ltd.	1417 St. Lawrence Blvd., Montreal
Gargray Knitting Co.	7383 De Laroche, Montreal
Glovers-Craft Ltd.	15 Savoie Lane, Montreal
G. W. Hanson	68 Front St., Hull
Julius Kayser & Co. Ltd.	Sherbrooke
The Knit-to-Fit Manufacturing Co.	2025 Parthenais St., Montreal
Knitters Ltd.	Marieville
H. N. Biron	Nicolet
The Massey Knitting Co.	2074 Beaudry, Montreal
Pageau Freres	1313 Ontario E., Montreal
Permans Limited, Mill No. 5	Coaticook
Permans Limited, Mill No. 8	St. Hyacinthe
Regent Knitting Mills Ltd.	4060 St. Lawrence Blvd., Montreal
Regent Knitting Mills Ltd.	St. Jerome
Schnaiberg Sport Knitting	4200 St. Lawrence Blvd., Montreal
Canadian Silk Products Ltd.	332 Wellington St., Sherbrooke
Grover Knitting Mills	52 Nazareth, Montreal
Joseph Emile Paquette	106 Leduc St. Hull
Victory Hosiery Mills Ltd.	St. Hyacinthe
Goodwear Hosiery Mills	910 Laporte Ave., Montreal
Sunbeam Hosiery Ltd.	718 Notre Dame W., Montreal
J. H. Lemire	St. André Avellan
The Victory Knitting Mills Ltd.	317 Notre Dame E., Montreal
Rose-Knit Co.	1074 St. Lawrence Blvd., Montreal
Canadian Knitting Co.	Joliette
Novelty Knitting Mills Ltd.	2401 Mt. Royal E., Montreal
<u>ONTARIO</u>	
Aberley Knitting Mills Ltd.	510 King W., Toronto 2
Albion Knitting Co. Ltd.	Cor. Park & Cedar Sts. Peterborough
Allen Bros. Co. Ltd.	883 Dundas E., Toronto 8
The Almonte Knitting Co. Ltd.	Almonte
Amalgamated Knitters Ltd.	Port Hope
Arkona Woollen & Knitting Mills	Arkona
Ashley Sweater Co.	294 Front St., Belleville
Avon Knit Limited	82 Erie St., Stratford
R. M. Ballantyne Limited	Front and North Sts., Stratford
Bates & Innes Limited	Carleton Place
Joseph Beaumont	Glen Williams
Norman, G.C. Barnes	Bracebridge

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APPENDIX "A"

Manufacturers of Hosiery and Knit Goods, 1928 - Cont'd.

<u>Name</u>	<u>Address</u>
<u>ONTARIO - Cont'd.</u>	
Beaunit Mills Ltd.	358 Adelaide W., Toronto
Dupont Textiles Ltd.	Cor. Christie & Dupont Sts. Toronto 4
E.E. Paquette & Sons	311 Dundas St., Woodstock
Richmond Hosiery Ltd.	349 Ridout St., London
Serviss Knitting Works	Cardinal
British Knitwear Co.	Simcoe
A. Burritt & Co. Ltd.	Mitchell
Campbell's Hosiery Co.	19 King St., London
Canadian Knitted Silk Fabrics Ltd.	720-4 Bathurst St., Toronto 4
Chipman Holton Knitting Co. Ltd.	122 Mary St., Hamilton
The Chipman Holton Knitting Co. Ltd.	Welland
The Circle Bar Knitting Co. Ltd.	Kincardine
The Circle Bar Knitting Co. Ltd.	Owen Sound
The Clinton Knitting Co. Ltd.	Clinton
Durham Textiles Ltd.	Bowmanville
Cobourg Knit Wear Ltd.	Cobourg
Henry Davis & Co. Ltd.	253-259 Spadina Ave, Toronto 2
Dods Knitting Co. Ltd.	Alton
Dods Knitting Co. Ltd.	Orangeville
Dominion Knitting Mills Ltd.	372 Richmond W., Toronto 9
Dufferin Knitting Mills	Collingwood
Dundas Knitting Mills	Dundas
J. R. Moodie Co.	735 King E., Hamilton
The Eaton Knitting Co. Ltd.	Hamilton
The Unxld. Woollen & Knitting Mills	Georgetown
J. G. Field & Son	Tavistock
The Galt Knitting Co.	Galt
Goderich Knitting Co. Ltd.	Goderich
D. Graham Sons & Co.	Inglewood
Hall Knit Kraft Ltd.	165 1/2 King W., Toronto
Harvey Knitting Co. Ltd.	Woodstock
Holeproof Hosiery Co. of Canada Ltd.	203-213 Bathurst St., London
Hosiers Ltd.	16 Vansittart Ave., Woodstock
Houlding & Coleman Ltd.	489 College, Toronto 4
Ideal Knitting Mills Ltd.	460 Richmond W., Toronto 2
Jersey's Limited	455 King W., Toronto 2
Lander Bros. Ltd.	Guelph
London Hosiery Mills Ltd.	London (Adelaide & Salisbury Sts)
F. Longdon & Co. Canada Ltd.	145 Wellington W., Toronto 2
W. R. McCartney	41 London Rd. W., Guelph
McMurchy & Co.	Huttonville
Brampton Knitting Mill	Brampton
Mason Knitting Co.	Acton
Melrose Knitting Co.	Glen Williams
Mercury Mills Ltd.	Cumberland & Balsam Aves, Hamilton
Model Knitting Mills	171 John St., Toronto 2
Monarch Knitting Co.	Dumville
Monarch Knitting Co.	St. Thomas
Monarch Knitting Co.	St. Catharines
Norfolk Knitters	Port Dover
Ontario Silknit Ltd.	590 King W., Toronto 2
The Oxford Knitting Co. Ltd.	Woodstock
Passmore Novelty Knitting Co.	350 Yonge, Toronto 2
Prospect Knitting Co.	41 Stuart West, Hamilton
William Peard	22 Dickson, Galt
Penmans Limited Mill No. 1	Paris
" " " No. 2	Paris
" " " No. 3	Paris
" " " No. 11	Almonte
" " " No. 13 U. Dept.	London
" " " No. 13 H. Dept.	London
L. O. Hudson Co. Ltd.	178-182 Wine St., St. Catharines

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APPENDIX "A"

Manufactures of Hosiery and Knit Goods, 1928 - Cont'd.

<u>Name</u>	<u>Address</u>
<u>ONTARIO - Concluded.</u>	
The P.K. Mills Listowel	Box 40, Listowel
The Robe & Clothing Co. Ltd.	Kitchener
J. A. Robertson Knitting Co. Ltd.	129 Spadina Ave., Toronto 2
Royal Knitting Co. Ltd.	41 Norwich St., Guelph
Royal Knitting Co.	260 Spadina Ave, Toronto 2
Geo. T. Saker	764 Bathurst, Toronto 4
The Schofield Woollen Co. Ltd.	372 Centre St., Oshawa
Scott Knitting Co.	24 Ryerson Ave, Toronto 2
Joseph Simpson Sons Ltd.	8-12 Berkeley St., Toronto 2
The Star Knitting Mills Co. Ltd.	92 Sherbourne St., Toronto 2
Stevenson Harris Co.	Clinton
S. & Y. Mills Ltd.	14 West St. N., Orillia
The Code Felt & Knitting Co. Ltd.	Perth
Tease Knitting Co.	895 Lansdowne Ave, Toronto 4
Thomas Warren Knitting Co. Ltd.	359 Spadina Ave, Toronto 2
Toronto Hosiery Co. Ltd.	1093-1107 Queen W., Toronto 3
Novo Knit Co.	215 St. Paul St., St. Catharines
Tru Knit Mills Ltd.	Cor. Catharine & Burlington Sts. Hamilton
The C. Turnbull Co. of Galt Ltd.	104 Water St. N., Galt
Venus Silk Hosiery Mills Ltd.	259 Spadina Ave, Toronto 2
Warren Bros. Ltd.	215 St. Paul St., St. Catharines
Watson Manufacturing Co.	
(Subsidiary of Penmans Ltd. Mill No. 10)	Brantford
Wentworth Knitting Co.	594 Ottawa St. N., Hamilton
The Williams Trow Knitting Co. Ltd.	125 Erie St., Stratford
York Knitting Mills Ltd.	993 Queen St., W., Toronto 3
Zimmer Knit Limited	330 Dundurn St., Hamilton
Canadian Consolidated Felt Co. Ltd.	Kitchener
Supersilk Hosiery Ltd.	700 Richmond St., London
Ontario Knitting Mills	312 Adelaide W., Toronto
Springstead Knitwear Co.	Simcoe
<u>MANITOBA</u>	
Dominion Knitting Co.	245 McDermot Ave, Winnipeg
Northland Knitting Co. Ltd.	618 Arlington, Winnipeg
Rice Knitting Co. Ltd.	290-296 McDermot, Winnipeg
Standard Knitting Co.	387 Dufferin Ave, Winnipeg
Western Glove Works Ltd.	McDermot & Adelaide Sts., Winnipeg
Winnipeg Knitting Mills	Portage Ave E., Winnipeg
<u>ALBERTA</u>	
L. W. Caldwell & Co. Ltd.	210 Ninth Ave. W., Calgary
Calgary Knitting Co.	111 - 2nd Ave. E., Calgary
Madsen Bros. Knitting Co.	Mt. Park
<u>BRITISH COLUMBIA</u>	
Pride of the West Knitting Mills Ltd.	81-83 Robson, Vancouver
Universal Knitting Co.	303 Pender W., Vancouver
Burrard Knitting Mills Ltd.	78 - E. - 2nd Ave., Vancouver
<u>SASKATCHEWAN</u>	
Western Knitting Co.	1732 - 11th Ave, Regina

APPENDIX "B"

Manufactures of Fabric Gloves, 1928.

<u>Name</u>	<u>Address</u>
<u>QUEBEC</u>	
B.B. Glove Co. Ltd. The Julius Kayser & Co. Ltd.	Ayers Cliff - H.O. Beebe Frontenac St., Sherbrooke
<u>ONTARIO</u>	
Niagara Silk Co. Ltd. Waterford Glove Works St. Catharines Silk Mills. Ltd.	33 Park Ave E., Brantford Waterford 243-247 Church St., St. Catharines
<u>BRITISH COLUMBIA</u>	
T. Kohara D. Paterson Glove Co.	236 Princess Ave., Vancouver 159 Cordova St., Vancouver.



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