

INDUSTRIAL WORLD

AND NATIONAL ECONOMIST.

NOTED FOR HOME INDUSTRIES, COMMERCE, FINANCE, INSURANCE, RAILROADS AND MINING

II—No. 35.

THURSDAY, MARCH 10, 1881.

\$3 PER ANNUM.

Industrial World

AND NATIONAL ECONOMIST
Published weekly, by the Industrial World Publishing Company.

Subscription, \$3.00 Per Annum.

OFFICE: MONTREAL, OTTAWA, TORONTO.

Advertisements, and all letters, must be addressed to INDUSTRIAL WORLD PUBLISHING CO., P. O. Drawer, 1010, OTTAWA, ONT.

PRINCIPAL CONTENTS.

Matters—British Woollen Manufacture and the Canadian Tariff—Protection of the Iron Trade—The N. P. in Montreal, etc.	129, 130 & 131
Commercial and Industrial Progress	132
News Current and Weekly Review	133
Practical	134
Railway Matters	135
News Current and Weekly Review	136
Trade	137
Insurance	138
Money Market—Trade Directory	140
Trade	141
Business	142

BRITISH WOOLLEN MANUFACTURERS AND THE CANADIAN TARIFF.

Complaints of British manufacturers against Canadian tariffs, which were rather loud at one time, have been a good deal of late, since it is stated that our import trade with the Mother Country is thriving very well under the protection. These prophets of evil, who felt certain that our trade would soon cease to be a customer for British goods, and might, therefore, just as well be cut off from the Empire, have not found their anticipations confirmed. Strange to appear to them, Canada is actually a better customer for British goods now than she was two years ago. It does not express the full importance of the change, however, that the amount of our purchases, stated in sterling, has increased. Not only is there a better and healthier trade, but there is a better and healthier trade, and a less proportion of losses from compositions of debts. These are facts well attested by the total price in Canada; and we may be sure that a well known to British merchants and manufacturers having Canadian connections. One particular, however, that of the Yorkshire woollen manufactures in certain lines, is still up in arms against the Canadian tariff, as appears by the following which we copy from the *St. James Gazette* of the 4th:—

Canada and British Goods—A deputation from the committee of the Yorkshire Chambers of Commerce, by Mr. Sergeant Simon, M.P., Mr. Behrens, Mr. Smith, Mr. Staples, Leeds; Mr. T. H. Fox, Mr. South, Mr. Ormerod and Mr. W. H. Lee, Mayor of Bradford, had an interview last night with Lord Kimberley, Colonial Office, upon the subject of the specific duties imposed upon the heavy woollen goods of the Mother Country. They complained that the low woollen fabrics, the staple products of Yorkshire, composed of wool, and cotton, were subjected by the Canadian Government not only to a 50 per cent. ad valorem duty, but to a specific rate of 7½ per pound, the compound duty being 55 and 60 per cent., and in some instances 70 per cent. upon the value. Moreover, the duty imposed a differential tax, to the prejudice of the Mother Country, and was both unjust and unwise. Having asked the Canadian Government for the matter, with the view of allowing their reply had been received from Sir Leonard Tilley, who had deemed it advisable at the time to make any objection to the duties imposed on woollens. They preferred, that Lord Kimberley would make it known to the Canadian Government that the deputation considered the duties levied by the Dominion Government on woollens in favour of French and Belgian manufactures prejudicial to the Mother Country. That the Canadian Government should know what they had done to the Mother Country. They desired that the exports of Yorkshire wool to America had fallen during the past year, the exports to the United States had fallen 25 per cent., in reply, that he was powerless to actually do anything, would bring their representations to the knowledge of the Canadian Government. He supposed there was no objection in this country as to our lamenting the fact that Canada had taken with regard to its tariff, and could only be made to place before them the

bearing upon the effect of their tariff which might influence them and lead to its reform. The point of the differential duties favouring other countries was a very strong one, and one that would be likely to have some influence with the Canadian Government, and he recommended them to place their views on the subject forcibly in a memorandum, which he would cause to be forwarded to the proper quarters.

It is not true that Canada imposes a differential duty against British woollens, the same rates being levied on all such goods, without any distinction as to countries whence imported. True enough, it is, however, that the duty of 7½ per pound presses harder upon the coarse, heavy stuffs so extensively made in Yorkshire, than it does on the merinos and fine cloths which are specialities with France and Belgium. Here we might answer Lord Kimberley's Traders with their own arguments, and advise them that all they need to do to be even with the French, as far as trade with Canada is concerned, is to put in the same machinery, work up with it pure, true wool, and produce the same kind of goods that they do in France. It is the orthodox Free Trade doctrine that, if any particular manufacture cannot compete in open market, on even terms, those engaged in it should drop it and betake themselves to something else. But we know for certain that the Yorkshire manufacturers, with all their devotion to Free Trade, are of too practical a turn thus lightly to change their hand out of devotion to a theory. Those among them who feel their Canadian sales affected by the new tariff might perhaps turn their energies to the making of fine goods instead of heavy shoddy, but they will not do anything of the kind, they will stick to the particular trade to which they were brought up. Where the trouble lies is easily explained, but the explanation will not help the case for the complainants. Certain fine woollen fabrics, in the production of which France and Belgium excel, are not made in Canada at all, and therefore our importation of them is not greatly affected by the tariff; besides which, the goods being of fine, light texture, the specific duty per lb. is not much on the value. But in Canada many woollen factories, large and small together, are producing cheap goods for the every day wear of the people, which come in direct competition with cheap Yorkshire goods; while upon the latter, besides the specific duty per pound is a heavy percentage on the value. In Canada the poor man certainly gets better value for a dollar through the compulsion put upon him to buy a good bargain of home manufacture rather than a poor one of imported stuff. But we make shoddy in Canada, too, it will be said; shoddy is still sold to buyers of moderate means, after all. So it is, indeed, but the home made shoddy is a decidedly better article than the imported, and this advantage attends, besides, that in case of goods not being up to the mark, the home manufacturer is at hand and can be held responsible for defects in quality, in goods not coming up to specifications. The manufacturer over the sea is, however, beyond our reach, and how important this difference is in practice those in the trade well know. If the exports of certain goods composed, as is above stated, of "wool, shoddy and cotton" to Canada have decreased, this is not true of woollen goods generally, as the following figures will show. In the *London Economist* of February 12, the exports of woollens to British North America are given as under for the years ending 31st December, 1879 and 1880 respectively (in pounds sterling):—

	1879	1880.
Cloths, etc.	£12,940	£20,748
Worsted stuffs	3,825	47,847
Carpets	91,050	1,225
	£108,915	£138,820

In the items of blankets, flannels and small wares the exports to British North America are not given separately in the *Economist's* tables, and therefore we cannot at present include them. But the fact that in the classes of goods the amounts of which are given, and which make up the great bulk of the whole, the export to these provinces has increased on the whole, puts an extinguisher on the contention that the new tariff is decreasing our purchases of woollens from Britain. If in some particular lines there is a decrease, the increase in other lines more than makes up for it. That we should under protection and progress in manufactures import less of such articles as we make at home is natural enough. English axes and chisels can scarcely be sold at all in Canada now, but we get our axes and pickaxes from Sheffield, as before; and in their respective lines British woollen manufacturers may find the same lesson as to the peculiar aptitude of Canadian manufacturing enterprises. After all, however, we still remain valuable customers to the Mother Country. From the latest available return of the sort, which was published early last year, we take the following figures of British

goods imported annually per head of the population in the countries named:—

Australia	£ 12 9
North American Colonies	2 0 0
France	0 0 0
United States	0 7 0

The consumption of British goods in Australia is remarkable, more per head than in Britain itself, in fact. Those "Britishers" who think that the Empire would have a good dividend were Canada annexed to the States should ponder the fact that, according to the proportion above shown, four million people in the Dominion buy and pay for as much British goods as twenty-four millions in the Republic. We hold it is fairly shown that the complainants have really no case to come into court with

PROTECTION AND THE IRON TRADE.

The theory that protection does not protect does not stand well in accord with facts. Some very limited and partial experiences there have been which give it an air of plausibility, but the large, and thorough and long continued test it will not stand. In the latter part of 1879 American railway companies appeared to have realized, all in one day, that necessary renewals and repairs neglected or postponed during the five years of hard times preceding had grown to such gigantic accumulation that further delay was out of the question, in view of the large increase of traffic then coming on. A panic of demand for iron ensued, and the excitement of buyers almost matched the dead apathy of the time, then very recent indeed, when there was next to no demand at all. A craze to buy at any price, however high, succeeded to the panic to sell at any price, however low. But four or five years dullness and nothing doing had caused a great slackening in the iron making business in the States, stocks had been allowed to run down, and furnaces and rolling mills had been allowed to drop into a state of suspended animation, comparatively, except, perhaps, in the Bessemer steel manufacture, which kept constantly expanding. All the iron works in America could not fill the orders that were offered in the time named, and then what followed? Why, this simply, that the English iron masters, having piled up and in store the accumulations of years back, instantly seized upon the advantage given them, sent iron over in immense quantities, and had the market supplied, and over supplied, ere the American iron companies had time to realize what the situation was. American production lulled to sleep by several years of no demand, was not able on the instant to meet the sudden rush of orders, and there was no accumulation of old stocks to fall back upon. But in England a tremendous accumulation of stocks had been going on during all the dull years; there iron in immense quantities lay ready for shipment at a moment's notice to any quarter of the globe, from China to Peru, or from Canada to Australia. The rush of importation of English iron into a country having high protective duties on that article gave renewed vigor to the cry that protection does not protect, and it was confidently affirmed that in the iron trade American Protection had proved a failure. But by-and-bye it began to appear that the American tariff was really protective after all, and that much of the English exportation business to the States had been done at a loss—by somebody. When the excitement had cooled off, it was discovered that the enormous importation from England had been the accident of a day, merely, something that could not possibly be continued, if the American tariff were not lowered. As the truth became better known, American iron makers gained courage, and acted upon it. The result is now seen in statistics published in the *Philadelphian Bulletin*, showing a wonderful increase in American iron production for 1880. The *Bulletin* gives full details in tabular form, but from its condensed statement we take what will most readily convey an idea of the expansion of iron production in the States under the long-continued Protection:—

"We have received from the manufacturers full returns of the production of pig iron in the United States in 1880, and here we give you the details to our readers. The production of pig iron in the United States in 1880 was 4,205,414 net tons, as against 3,835,191 gross tons in 1879. The increase is 9.6 per cent. The production of pig iron in the United States in 1879 was 3,835,191 gross tons, or 3,400,000 net tons, as against 2,811,000 net tons in 1878. The production of pig iron in the United States in 1878 was 2,811,000 net tons, as against 2,375,000 net tons in 1877. The production of pig iron in the United States in 1877 was 2,375,000 net tons, as against 1,907,000 net tons in 1876. The production of pig iron in the United States in 1876 was 1,907,000 net tons, as against 1,507,000 net tons in 1875. The production of pig iron in the United States in 1875 was 1,507,000 net tons, as against 1,107,000 net tons in 1874. The production of pig iron in the United States in 1874 was 1,107,000 net tons, as against 707,000 net tons in 1873. The production of pig iron in the United States in 1873 was 707,000 net tons, as against 307,000 net tons in 1872. The production of pig iron in the United States in 1872 was 307,000 net tons, as against 107,000 net tons in 1871. The production of pig iron in the United States in 1871 was 107,000 net tons, as against 7,000 net tons in 1870. The production of pig iron in the United States in 1870 was 7,000 net tons, as against 0 net tons in 1869. The production of pig iron in the United States in 1869 was 0 net tons, as against 0 net tons in 1868. The production of pig iron in the United States in 1868 was 0 net tons, as against 0 net tons in 1867. The production of pig iron in the United States in 1867 was 0 net tons, as against 0 net tons in 1866. The production of pig iron in the United States in 1866 was 0 net tons, as against 0 net tons in 1865. The production of pig iron in the United States in 1865 was 0 net tons, as against 0 net tons in 1864. The production of pig iron in the United States in 1864 was 0 net tons, as against 0 net tons in 1863. The production of pig iron in the United States in 1863 was 0 net tons, as against 0 net tons in 1862. The production of pig iron in the United States in 1862 was 0 net tons, as against 0 net tons in 1861. The production of pig iron in the United States in 1861 was 0 net tons, as against 0 net tons in 1860. The production of pig iron in the United States in 1860 was 0 net tons, as against 0 net tons in 1859. The production of pig iron in the United States in 1859 was 0 net tons, as against 0 net tons in 1858. The production of pig iron in the United States in 1858 was 0 net tons, as against 0 net tons in 1857. The production of pig iron in the United States in 1857 was 0 net tons, as against 0 net tons in 1856. The production of pig iron in the United States in 1856 was 0 net tons, as against 0 net tons in 1855. The production of pig iron in the United States in 1855 was 0 net tons, as against 0 net tons in 1854. The production of pig iron in the United States in 1854 was 0 net tons, as against 0 net tons in 1853. The production of pig iron in the United States in 1853 was 0 net tons, as against 0 net tons in 1852. The production of pig iron in the United States in 1852 was 0 net tons, as against 0 net tons in 1851. The production of pig iron in the United States in 1851 was 0 net tons, as against 0 net tons in 1850. The production of pig iron in the United States in 1850 was 0 net tons, as against 0 net tons in 1849. The production of pig iron in the United States in 1849 was 0 net tons, as against 0 net tons in 1848. The production of pig iron in the United States in 1848 was 0 net tons, as against 0 net tons in 1847. The production of pig iron in the United States in 1847 was 0 net tons, as against 0 net tons in 1846. The production of pig iron in the United States in 1846 was 0 net tons, as against 0 net tons in 1845. The production of pig iron in the United States in 1845 was 0 net tons, as against 0 net tons in 1844. The production of pig iron in the United States in 1844 was 0 net tons, as against 0 net tons in 1843. The production of pig iron in the United States in 1843 was 0 net tons, as against 0 net tons in 1842. The production of pig iron in the United States in 1842 was 0 net tons, as against 0 net tons in 1841. The production of pig iron in the United States in 1841 was 0 net tons, as against 0 net tons in 1840. The production of pig iron in the United States in 1840 was 0 net tons, as against 0 net tons in 1839. The production of pig iron in the United States in 1839 was 0 net tons, as against 0 net tons in 1838. The production of pig iron in the United States in 1838 was 0 net tons, as against 0 net tons in 1837. The production of pig iron in the United States in 1837 was 0 net tons, as against 0 net tons in 1836. The production of pig iron in the United States in 1836 was 0 net tons, as against 0 net tons in 1835. The production of pig iron in the United States in 1835 was 0 net tons, as against 0 net tons in 1834. The production of pig iron in the United States in 1834 was 0 net tons, as against 0 net tons in 1833. The production of pig iron in the United States in 1833 was 0 net tons, as against 0 net tons in 1832. The production of pig iron in the United States in 1832 was 0 net tons, as against 0 net tons in 1831. The production of pig iron in the United States in 1831 was 0 net tons, as against 0 net tons in 1830. The production of pig iron in the United States in 1830 was 0 net tons, as against 0 net tons in 1829. The production of pig iron in the United States in 1829 was 0 net tons, as against 0 net tons in 1828. The production of pig iron in the United States in 1828 was 0 net tons, as against 0 net tons in 1827. The production of pig iron in the United States in 1827 was 0 net tons, as against 0 net tons in 1826. The production of pig iron in the United States in 1826 was 0 net tons, as against 0 net tons in 1825. The production of pig iron in the United States in 1825 was 0 net tons, as against 0 net tons in 1824. The production of pig iron in the United States in 1824 was 0 net tons, as against 0 net tons in 1823. The production of pig iron in the United States in 1823 was 0 net tons, as against 0 net tons in 1822. The production of pig iron in the United States in 1822 was 0 net tons, as against 0 net tons in 1821. The production of pig iron in the United States in 1821 was 0 net tons, as against 0 net tons in 1820. The production of pig iron in the United States in 1820 was 0 net tons, as against 0 net tons in 1819. The production of pig iron in the United States in 1819 was 0 net tons, as against 0 net tons in 1818. The production of pig iron in the United States in 1818 was 0 net tons, as against 0 net tons in 1817. The production of pig iron in the United States in 1817 was 0 net tons, as against 0 net tons in 1816. The production of pig iron in the United States in 1816 was 0 net tons, as against 0 net tons in 1815. The production of pig iron in the United States in 1815 was 0 net tons, as against 0 net tons in 1814. The production of pig iron in the United States in 1814 was 0 net tons, as against 0 net tons in 1813. The production of pig iron in the United States in 1813 was 0 net tons, as against 0 net tons in 1812. The production of pig iron in the United States in 1812 was 0 net tons, as against 0 net tons in 1811. The production of pig iron in the United States in 1811 was 0 net tons, as against 0 net tons in 1810. The production of pig iron in the United States in 1810 was 0 net tons, as against 0 net tons in 1809. The production of pig iron in the United States in 1809 was 0 net tons, as against 0 net tons in 1808. The production of pig iron in the United States in 1808 was 0 net tons, as against 0 net tons in 1807. The production of pig iron in the United States in 1807 was 0 net tons, as against 0 net tons in 1806. The production of pig iron in the United States in 1806 was 0 net tons, as against 0 net tons in 1805. The production of pig iron in the United States in 1805 was 0 net tons, as against 0 net tons in 1804. The production of pig iron in the United States in 1804 was 0 net tons, as against 0 net tons in 1803. The production of pig iron in the United States in 1803 was 0 net tons, as against 0 net tons in 1802. The production of pig iron in the United States in 1802 was 0 net tons, as against 0 net tons in 1801. The production of pig iron in the United States in 1801 was 0 net tons, as against 0 net tons in 1800. The production of pig iron in the United States in 1800 was 0 net tons, as against 0 net tons in 1799. The production of pig iron in the United States in 1799 was 0 net tons, as against 0 net tons in 1798. The production of pig iron in the United States in 1798 was 0 net tons, as against 0 net tons in 1797. The production of pig iron in the United States in 1797 was 0 net tons, as against 0 net tons in 1796. The production of pig iron in the United States in 1796 was 0 net tons, as against 0 net tons in 1795. The production of pig iron in the United States in 1795 was 0 net tons, as against 0 net tons in 1794. The production of pig iron in the United States in 1794 was 0 net tons, as against 0 net tons in 1793. The production of pig iron in the United States in 1793 was 0 net tons, as against 0 net tons in 1792. The production of pig iron in the United States in 1792 was 0 net tons, as against 0 net tons in 1791. The production of pig iron in the United States in 1791 was 0 net tons, as against 0 net tons in 1790. The production of pig iron in the United States in 1790 was 0 net tons, as against 0 net tons in 1789. The production of pig iron in the United States in 1789 was 0 net tons, as against 0 net tons in 1788. The production of pig iron in the United States in 1788 was 0 net tons, as against 0 net tons in 1787. The production of pig iron in the United States in 1787 was 0 net tons, as against 0 net tons in 1786. The production of pig iron in the United States in 1786 was 0 net tons, as against 0 net tons in 1785. The production of pig iron in the United States in 1785 was 0 net tons, as against 0 net tons in 1784. The production of pig iron in the United States in 1784 was 0 net tons, as against 0 net tons in 1783. The production of pig iron in the United States in 1783 was 0 net tons, as against 0 net tons in 1782. The production of pig iron in the United States in 1782 was 0 net tons, as against 0 net tons in 1781. The production of pig iron in the United States in 1781 was 0 net tons, as against 0 net tons in 1780. The production of pig iron in the United States in 1780 was 0 net tons, as against 0 net tons in 1779. The production of pig iron in the United States in 1779 was 0 net tons, as against 0 net tons in 1778. The production of pig iron in the United States in 1778 was 0 net tons, as against 0 net tons in 1777. The production of pig iron in the United States in 1777 was 0 net tons, as against 0 net tons in 1776. The production of pig iron in the United States in 1776 was 0 net tons, as against 0 net tons in 1775. The production of pig iron in the United States in 1775 was 0 net tons, as against 0 net tons in 1774. The production of pig iron in the United States in 1774 was 0 net tons, as against 0 net tons in 1773. The production of pig iron in the United States in 1773 was 0 net tons, as against 0 net tons in 1772. The production of pig iron in the United States in 1772 was 0 net tons, as against 0 net tons in 1771. The production of pig iron in the United States in 1771 was 0 net tons, as against 0 net tons in 1770. The production of pig iron in the United States in 1770 was 0 net tons, as against 0 net tons in 1769. The production of pig iron in the United States in 1769 was 0 net tons, as against 0 net tons in 1768. The production of pig iron in the United States in 1768 was 0 net tons, as against 0 net tons in 1767. The production of pig iron in the United States in 1767 was 0 net tons, as against 0 net tons in 1766. The production of pig iron in the United States in 1766 was 0 net tons, as against 0 net tons in 1765. The production of pig iron in the United States in 1765 was 0 net tons, as against 0 net tons in 1764. The production of pig iron in the United States in 1764 was 0 net tons, as against 0 net tons in 1763. The production of pig iron in the United States in 1763 was 0 net tons, as against 0 net tons in 1762. The production of pig iron in the United States in 1762 was 0 net tons, as against 0 net tons in 1761. The production of pig iron in the United States in 1761 was 0 net tons, as against 0 net tons in 1760. The production of pig iron in the United States in 1760 was 0 net tons, as against 0 net tons in 1759. The production of pig iron in the United States in 1759 was 0 net tons, as against 0 net tons in 1758. The production of pig iron in the United States in 1758 was 0 net tons, as against 0 net tons in 1757. The production of pig iron in the United States in 1757 was 0 net tons, as against 0 net tons in 1756. The production of pig iron in the United States in 1756 was 0 net tons, as against 0 net tons in 1755. The production of pig iron in the United States in 1755 was 0 net tons, as against 0 net tons in 1754. The production of pig iron in the United States in 1754 was 0 net tons, as against 0 net tons in 1753. The production of pig iron in the United States in 1753 was 0 net tons, as against 0 net tons in 1752. The production of pig iron in the United States in 1752 was 0 net tons, as against 0 net tons in 1751. The production of pig iron in the United States in 1751 was 0 net tons, as against 0 net tons in 1750. The production of pig iron in the United States in 1750 was 0 net tons, as against 0 net tons in 1749. The production of pig iron in the United States in 1749 was 0 net tons, as against 0 net tons in 1748. The production of pig iron in the United States in 1748 was 0 net tons, as against 0 net tons in 1747. The production of pig iron in the United States in 1747 was 0 net tons, as against 0 net tons in 1746. The production of pig iron in the United States in 1746 was 0 net tons, as against 0 net tons in 1745. The production of pig iron in the United States in 1745 was 0 net tons, as against 0 net tons in 1744. The production of pig iron in the United States in 1744 was 0 net tons, as against 0 net tons in 1743. The production of pig iron in the United States in 1743 was 0 net tons, as against 0 net tons in 1742. The production of pig iron in the United States in 1742 was 0 net tons, as against 0 net tons in 1741. The production of pig iron in the United States in 1741 was 0 net tons, as against 0 net tons in 1740. The production of pig iron in the United States in 1740 was 0 net tons, as against 0 net tons in 1739. The production of pig iron in the United States in 1739 was 0 net tons, as against 0 net tons in 1738. The production of pig iron in the United States in 1738 was 0 net tons, as against 0 net tons in 1737. The production of pig iron in the United States in 1737 was 0 net tons, as against 0 net tons in 1736. The production of pig iron in the United States in 1736 was 0 net tons, as against 0 net tons in 1735. The production of pig iron in the United States in 1735 was 0 net tons, as against 0 net tons in 1734. The production of pig iron in the United States in 1734 was 0 net tons, as against 0 net tons in 1733. The production of pig iron in the United States in 1733 was 0 net tons, as against 0 net tons in 1732. The production of pig iron in the United States in 1732 was 0 net tons, as against 0 net tons in 1731. The production of pig iron in the United States in 1731 was 0 net tons, as against 0 net tons in 1730. The production of pig iron in the United States in 1730 was 0 net tons, as against 0 net tons in 1729. The production of pig iron in the United States in 1729 was 0 net tons, as against 0 net tons in 1728. The production of pig iron in the United States in 1728 was 0 net tons, as against 0 net tons in 1727. The production of pig iron in the United States in 1727 was 0 net tons, as against 0 net tons in 1726. The production of pig iron in the United States in 1726 was 0 net tons, as against 0 net tons in 1725. The production of pig iron in the United States in 1725 was 0 net tons, as against 0 net tons in 1724. The production of pig iron in the United States in 1724 was 0 net tons, as against 0 net tons in 1723. The production of pig iron in the United States in 1723 was 0 net tons, as against 0 net tons in 1722. The production of pig iron in the United States in 1722 was 0 net tons, as against 0 net tons in 1721. The production of pig iron in the United States in 1721 was 0 net tons, as against 0 net tons in 1720. The production of pig iron in the United States in 1720 was 0 net tons, as against 0 net tons in 1719. The production of pig iron in the United States in 1719 was 0 net tons, as against 0 net tons in 1718. The production of pig iron in the United States in 1718 was 0 net tons, as against 0 net tons in 1717. The production of pig iron in the United States in 1717 was 0 net tons, as against 0 net tons in 1716. The production of pig iron in the United States in 1716 was 0 net tons, as against 0 net tons in 1715. The production of pig iron in the United States in 1715 was 0 net tons, as against 0 net tons in 1714. The production of pig iron in the United States in 1714 was 0 net tons, as against 0 net tons in 1713. The production of pig iron in the United States in 1713 was 0 net tons, as against 0 net tons in 1712. The production of pig iron in the United States in 1712 was 0 net tons, as against 0 net tons in 1711. The production of pig iron in the United States in 1711 was 0 net tons, as against 0 net tons in 1710. The production of pig iron in the United States in 1710 was 0 net tons, as against 0 net tons in 1709. The production of pig iron in the United States in 1709 was 0 net tons, as against 0 net tons in 1708. The production of pig iron in the United States in 1708 was 0 net tons, as against 0 net tons in 1707. The production of pig iron in the United States in 1707 was 0 net tons, as against 0 net tons in 1706. The production of pig iron in the United States in 1706 was 0 net tons, as against 0 net tons in 1705. The production of pig iron in the United States in 1705 was 0 net tons, as against 0 net tons in 1704. The production of pig iron in the United States in 1704 was 0 net tons, as against 0 net tons in 1703. The production of pig iron in the United States in 1703 was 0 net tons, as against 0 net tons in 1702. The production of pig iron in the United States in 1702 was 0 net tons, as against 0 net tons in 1701. The production of pig iron in the United States in 1701 was 0 net tons, as against 0 net tons in 1700. The production of pig iron in the United States in 1700 was 0 net tons, as against 0 net tons in 1699. The production of pig iron in the United States in 1699 was 0 net tons, as against 0 net tons in 1698. The production of pig iron in the United States in 1698 was 0 net tons, as against 0 net tons in 1697. The production of pig iron in the United States in 1697 was 0 net tons, as against 0 net tons in 1696. The production of pig iron in the United States in 1696 was 0 net tons, as against 0 net tons in 1695. The production of pig iron in the United States in 1695 was 0 net tons, as against 0 net tons in 1694. The production of pig iron in the United States in 1694 was 0 net tons, as against 0 net tons in 1693. The production of pig iron in the United States in 1693 was 0 net tons, as against 0 net tons in 1692. The production of pig iron in the United States in 1692 was 0 net tons, as against 0 net tons in 1691. The production of pig iron in the United States in 1691 was 0 net tons, as against 0 net tons in 1690. The production of pig iron in the United States in 1690 was 0 net tons, as against 0 net tons in 1689. The production of pig iron in the United States in 1689 was 0 net tons, as against 0 net tons in 1688. The production of pig iron in the United States in 1688 was 0 net tons, as against 0 net tons in 1687. The production of pig iron in the United States in 1687 was 0 net tons, as against 0 net tons in 1686. The production of pig iron in the United States in 1686 was 0 net tons, as against 0 net tons in 1685. The production of pig iron in the United States in 1685 was 0 net tons, as against 0 net tons in 1684. The production of pig iron in the United States in 1684 was 0 net tons, as against 0 net tons in 1683. The production of pig iron in the United States in 1683 was 0 net tons, as against 0 net tons in 1682. The production of pig iron in the United States in 1682 was 0 net tons, as against 0 net tons in 1681. The production of pig iron in the United States in 1681 was 0 net tons, as against 0 net tons in 1680. The production of pig iron in the United States in 1680 was 0 net tons, as against 0 net tons in 1679. The production of pig iron in the United States in 1679 was 0 net tons, as against 0 net tons in 1678. The production of pig iron in the United States in 1678 was 0 net tons, as against 0 net tons in 1677. The production of pig iron in the United States in 1677 was 0 net tons, as against 0 net tons in 1676. The production of pig iron in the United States in 1676 was 0 net tons, as against 0 net tons in 1675. The production of pig iron in the United States in 1675 was 0 net tons, as against 0 net tons in 1674. The production of pig iron in the United States in 1674 was 0 net tons, as against 0 net tons in 1673. The production of pig iron in the United States in 1673 was 0 net tons, as against 0 net tons in 1672. The production of pig iron in the United States in 1672 was 0 net tons, as against 0 net tons in 1671. The production of pig iron in the United States in 1671 was 0 net tons, as against 0 net tons in 1670. The production of pig iron in the United States in 1670 was 0 net tons, as against 0 net tons in 1669. The production of pig iron in the United States in 1669 was 0 net tons, as against 0 net tons in 1668. The production of pig iron in the United States in 1668 was 0 net tons, as against 0 net tons in 1667. The production of pig iron in the United States in 1667 was 0 net tons, as against 0 net tons in 1666. The production of pig iron in the United States in 1666 was 0 net tons, as against 0 net tons in 1665. The production of pig iron in the United States in 1665 was 0 net tons, as against 0 net tons in 1664. The production of pig iron in the United States in 1664 was 0 net tons, as against 0 net tons in 1663. The production of pig iron in the United States in 1663 was 0 net tons, as against 0 net tons in 1662. The production of pig iron in the United States in 1662 was 0 net tons, as against 0 net tons in 1661. The production of pig iron in the United States in 1661 was 0 net tons, as against 0 net tons in 1660. The production of pig iron in the United States in 1660 was 0 net tons, as against 0 net tons in 1659. The production of pig iron in the United States in 1659 was 0 net tons, as against 0 net tons in 1658. The production of pig iron in the United States in 1658 was 0 net tons, as against 0 net tons in 1657. The production of pig iron in the United States in 1657 was 0 net tons, as against 0 net tons in 1656. The production of pig iron in the United States in 1656 was 0 net tons, as against 0 net tons in 1655. The production of pig iron in the United States in 1655 was 0 net tons, as against 0 net tons in 1654. The production of pig iron in the United States in 1654 was 0 net tons, as against 0 net tons in 1653. The production of pig iron in the United States in 1653 was 0 net tons, as against 0 net tons in 1652. The production of pig iron in the United States in 1652 was 0 net tons, as against 0 net tons in 1651. The production of pig iron in the United States in 1651 was 0 net tons, as against 0 net tons in 1650. The production of pig iron in the United States in 1650 was 0 net tons, as against 0 net tons in 1649. The production of pig iron in the United States in 1649 was 0 net tons, as against 0 net tons in 1648. The production of pig iron in the United States in 1648 was 0 net tons, as against 0 net tons in 1647. The production of pig iron in the United States in 1647 was 0 net tons, as against 0 net tons in 1646. The production of pig iron in the United States in 1646 was 0 net tons, as against 0 net tons in 1645. The production of pig iron in the United States in 1645 was 0 net tons, as against 0 net tons in 1644. The production of pig iron in the United States in 1644 was 0 net tons, as against 0 net tons in 1643. The production of pig iron in the United States in 1643 was 0 net tons, as against 0 net tons in 1642. The production of pig iron in the United States in

TORONTO PRICES CURRENT.

Table of current prices for various commodities including Groceries, Hardware, and Drugs.

Table of current prices for various commodities including Paints, Petroleum, Wool, Hides and Skins, Leather, Produce, and Provisions.

WEEKLY REVIEW.

Weekly Review text discussing market conditions, prices, and economic trends.

Main body of text containing detailed reports on the coal industry, Canadian cattle in England, and the British grain trade.

Advertisement for WINANS & CO. located at 13 Church St., Toronto, listing various wool products and services.

MONTREAL PRICES CURRENT.

GROCERIES

Table listing various grocery items such as sugar, flour, and oils with their respective prices.

DRUGS AND CHEMICALS

Table listing various drugs and chemicals including soda ash, saltpetre, and other industrial products.

Table listing various types of leather and raw furs with their prices.

WEEKLY REVIEW.

Weekly Review text discussing market conditions, financial matters, and commodity prices for the week ending March 9th, 1881.

Additional text on the right side of the page, including market news and commentary.

THE LUMBER TRADE.

ENGLISH MARKETS.

The Timber Trade Journal (London) says of recent sales: The greatest sale was apparently made on the cargo of 1st quality Quebec spruce & Fir. These goods were in the summer thought to be... The Liverpool report says: There is little doubt that at the present time the stocks of deals in the shipping ports of New Brunswick and Nova Scotia are moderate...

The Upper Canadian houses for sale and Mr. C. Quinn... A big hay mure, 6 years old, weighing... 180 lbs. and a fresh chestnut mare 9 years old...

Live Stock Market.

Montreal, March 7th, 1891

The following were the receipts of live stock at the Grand Trunk yards, Point St. Charles: Cattle, Sheep, Hogs, Horses... 20th week ending March 5...

Twenty years ago the Canadian steamship Peruvia... then the finest vessel afloat, used to consume 6 7-10 pounds of coal per hour per horse power...

JAS. ROBERTSON & CO. Dominion Saw Works TORONTO.

Advertisement for Dominion Saw Works, Toronto. Features circular saws, gang saws, butting saws, and cross cut saws. Includes an illustration of a saw blade.

R. H. SMITH & CO. Sole Manufacturers in the Dominion of Canada of THE "SIMONDS" SAWS

Advertisement for R. H. Smith & Co. featuring Simonnds saws. Includes a large illustration of a saw blade and text describing the quality and variety of their products.

THE LUMBER CUT.

We print below some estimates obtained from well informed sources as to the probable cut of timber in the Muskoka and Georgian Bay districts, from which it will be seen that the result of this season's operations in these localities does not differ materially from that of last season...

upon the whole, but, judging from the figures thus furnished us, this increase will be less marked than is popularly supposed. There is much activity in lumbering in some of the western counties...

THE LOGGERS.

Logging on the Tenander Bay river is progressing favorably, and nearly 75 per cent of the stumps have been cut and are now in the logging chutes. A heavy fall of snow on the 1st of March has delayed the cutting of lumber this year...

CHOOSING OAK TIMBER

In the selection of oak, a great deal depends on a knowledge of the soil on which it has been grown. For we generally find that when the product of a particularly rich soil is deficient in strength, being full of sap, which necessarily impairs the solidity of the wood...

ADVANTAGES OF SAWDUST AS A FILTERING MATERIAL.

On the 27th ult. Mr. Henry Chapman read a paper before the Institution of Mechanical Engineers on the Fanquhar Filtering Apparatus. In the course of which he remarked that, in addition to water and sewage, this automatic self-cleansing process may be expected to effect a revolution in all kinds of filtration...

distance below the top surface, owing to the impossibility of making grains of sand pack close enough together. even under great pressure. In fact, the grains of sand just tightly overlap each other under pressure, being thus equivalent to a number of pressed layers of thin cloths or blotting-paper, and the sand bed is thus impervious to anything but pure liquid...

SUBSTITUTES FOR LUMBER

We are in receipt, from Mr. S. W. Hamilton, of Lawrence, Kansas, of a sample of lumber made from straw, manufactured after a process patented by himself, the particulars of which he does not explain. He informs us, however, that he can manufacture lumber like the sample sent, in any desired length, from 14 feet upward...

There are now sixteen broom factories managed by Chinese in San Francisco.

A. Burton, agent of the Platt Bros., of Hamilton, Ont., purchased and shipped from the river Thames, during the year ending the 31st December, 1890, \$45,000 worth of hewn and sawn oak...

The importation last year into the United Kingdom, without taking into account staves or mahogany, consisted of 6,206,778 loads of hewn and sawn wood, which are equivalent to 310,338,900 cubic ft...

Mr. P. Fitzpatrick, Mayor of Allumette Island, who has the contract of drawing a raft of timber, manufactured on the Coulongue by Bryson & Murtagh, for J. R. Booth, has caught up to the timber makers...

A circular from the Census Bureau has been sent out to obtain information as to the evil effects of forest fires in the wooded sections of the country during the past year. Specific answers are requested from correspondents in regard to the extent of the area burned over...

The State of Nevada has a remarkable timber known as mountain mahogany. The trees are not large, averaging less than a foot in diameter. The seasoned timber is said to be as hard as boxwood, of a very fine grain, of a rich red color, very heavy, and a fine material for the wood carver...

THE METAL TRADE.

THE LONDON MARKET.

The iron trade in America has been... The pig iron trade as a whole shows a slight increase upon January last year of 2 1/2 per cent. Our imports, on the other hand, are a serious decline—serious, inasmuch as the falling off is mainly in raw materials of manufacture.

The following were the closing prices in the London metal market February 11, 1881. IRON. Bars, Welsh (in London) 5 1/2... Bessemer rails (at works) 4 0/0... SHEET IRON. English pig, W.B. 15 10... English sheet 15 10... English red 17 0/0... English white 21 10... Spanish pig shot 14 15...

THE LONDON MARKET.

The following were the closing prices in the London metal market February 11, 1881.

Table with columns for item name, price, and unit. Includes sections for IRON, SHEET IRON, COPPER, LEAD, and TIR PLATE.

UNITED STATES MARKETS.

(American Manufacturers.) Pittsburgh.

Pig Iron.—The week just closed has been an uneventful one in the pig iron market. Trade has been fair, and prices have undergone no change since the previous week. Sales are still made in from 100 to 500 ton lots, with one exception, which exception relates to a local furnace.

Philadelphia. The iron trade in Philadelphia has been... The market is now... The price of pig iron is...

Philadelphia. The iron trade in Philadelphia has been... The market is now... The price of pig iron is...

New York. Pig Iron.—American: Some commission firms express a little surprise at the moderate amount of orders coming to hand, considering the near approach of the opening of navigation, and, if the reports emanating from this source are a fair index (and there is good reason to believe they are) the market is unquestionably dull.

New York. Pig Iron.—American: Some commission firms express a little surprise at the moderate amount of orders coming to hand, considering the near approach of the opening of navigation, and, if the reports emanating from this source are a fair index (and there is good reason to believe they are) the market is unquestionably dull.

Insurance Matters. STANDARD FIRE INSURANCE COMPANY. The fourth annual report of the above company and the President's remarks thereon, will be seen in another column. A material increase to the capital stock is noted, and the security offered to policy holders is claimed to be as great as that of any other company.

Insurance Matters. STANDARD FIRE INSURANCE COMPANY. The fourth annual report of the above company and the President's remarks thereon, will be seen in another column.

Insurance Matters. STANDARD FIRE INSURANCE COMPANY. The fourth annual report of the above company and the President's remarks thereon, will be seen in another column.

Practical Views of Business in its Relation to Fire Underwriting. The remark is not unfrequently heard that "the less profits fire companies make the better it is for the insured." The very reverse of this idea is the fact. A good profit to the insurer is not more important to him than it is to the insured.

is to be sold. It makes no difference whether...

value of the goods 9 cents per yard. The court...

DOMINION FIRE AND MARINE

Annual report of this company shows that in...

A NEW INSURANCE QUESTION

The position recently assumed by some of the...

REFORMATION OF INSURANCE POLICIES

A policy of insurance being an agreement between...

POSTAL TIME TABLES.

Table with columns for arrival and departure of mails, listing various routes and times.

Post Office, Montreal.

Table with columns for delivery, mails, and closing times for Montreal.

RAILWAY TIME TABLES.

Table for Canada Central Railway showing change of time.

ST. LAWRENCE AND OTTAWA RAILWAY.

Table for St. Lawrence and Ottawa Railway showing change of time.

Q. M. O. & O. RAILWAY.

Table for Q. M. O. & O. Railway showing change of time.

INTERCOLONIAL RAILWAY.

Table for Intercolonial Railway showing summer arrangements.

Advertisement for DUNDAS FOUNDRY AND ENGINE WORKS, THOS. WILSON, STEAM ENGINES, BOILERS.

TO MALTSTERS.

THE undersigned beg to inform maltsters and the trade...

TIMOTHY GREENING & SONS.

Advertisement for Timothy Greening & Sons, Dundas, Ont.

Continuation of the insurance article, discussing market value and legal aspects.

Continuation of the insurance article, discussing market value and legal aspects.

Continuation of the insurance article, discussing market value and legal aspects.

Continuation of the insurance article, discussing market value and legal aspects.

Continuation of the insurance article, discussing market value and legal aspects.

PETROLEUM.

THE BRITISH MARKET.

Values kept from fall the...

Values kept from fall the...

Values kept from fall the...

Table with columns: Price of S.W. Petroleum, Stock this day, Landed last week, Delivered last week.

Table with columns: Refined, Crude, Refined, Crude.

Above represents stocks and movements at London and Thames Haven Public Wharves only.

PETROLIA OIL REPORT.

We have the pleasure of reporting a revival in the demand for crudes during the past week...

In their lumber yard J. & J. Kerr are down 275 feet... Near the King territory W. Stevenson is building a rig...

A little south of Gleason's refinery, J. McCarty is down 300 feet... On the flats Hoskins & Smiley have struck a two barrel well...

THE SURE CANAL.

The following is a return of the ships and tonnage which passed through the Canal in 1880 and the preceding year...

Table with columns: 1880, 1879, Ships, Tonnage.

It is now over thirty years since the first grant of land was made to railroads in the States...

THE MONEY MARKET.

TORONTO STOCK REPORT.

Table with columns: BANKS, Capital, Dividend, Closing Prices.

Table with columns: DEBENTURES, INTEREST PAYABLE, WHERE PAYABLE.

MONTREAL STOCK REPORT.

Table with columns: NAME, Shares, Capital, Rest, Dividend, Closing Prices.

The Timber Trades Journal, of Feb. 12th, says. From America we are told the coming season will witness one of the largest outputs of logs...

The Montreal Star obtains the following particulars of a new and important enterprise to be carried out by Messrs. Shickluna...

DOMINION TRADE REGISTER.

INDUSTRIAL DIRECTORY.

ADVERTISING MANUFACTURING... AGRICULTURAL IMPLEMENTS... ANILINE DYES... COTTON BROKERS... COTTON MILLS... EDGE TOOLS... ENGINES AND BOILERS... FURNITURE... GLOVE MANUFACTURERS... HUBS, SPOKES AND BENT GOODS... IRON WORKS... KNITTING MILLS... LEATHER BELTING... ORGAN BUILDERS... PAPER MANUFACTURERS... SAW MANUFACTURERS... SCALES... SPICES, ETC... STEREOTYPERS, ENGRAVERS, ETC... TELEPHONES... WIRE WORKS... WOODEN GOODS... WOOLLEN MANUFACTURERS... WOOLS AND COTTON WARPS... CASTORINE MACHINE OILS... NONE GENUINE UNLESS BRANDED... CASTORINE... TORONTO OIL CO. 25, SHERBORNE ST. TORONTO.

THE DRY GOODS TRADE.

UNITED STATES MARKETS

The product of our country now received is the amount that is nearly equal to a year's supply of the raw material from the 25th of...

Table with 2 columns: Item (Silk, Ribbons, etc.) and Value. Total value listed as \$2,963,816.

The product of 1880, so far as we can learn at present, will show a very material increase over the previous year. In fourteen States of the Union we have over...

Furs, Skins, Etc. The fur and skin trade during the present season has been an unusually active one, with firm, strong upward prices prevailing for the same.

On such makes of new fall woollens as are open more attention has been accorded by the clothing trade, and in some instances very fair orders for future delivery have been placed.

WOOLLEN GOODS.

The statistics of Russian banking though only published for 1877, are interesting. There are two State banks with sixty-four branches.

CANOE NAVIGATION.

The number of canoes now belonging to the American Canoe Association is rather larger than the number of sea-going American vessels.

SAN FRANCISCO TRADE REPORT.

We now have a very full supply of cotton. The new class of cotton and woolen goods is really a masterpiece of the manufacturer.

RUSSIAN BANKING.

Table showing statistics of Russian banking: 64 branches, 2,200,000 capital, 79,000 reserves.

CANOE NAVIGATION.

The number of canoes now belonging to the American Canoe Association is rather larger than the number of sea-going American vessels.

THE ELECTRIC EXHIBITION IN PARIS.

A Prospectus to the Exhibition says: The Government of France has given its sanction to the plan of the International Exhibition of Electricity in Paris.

THE SINGAPORE RAILWAY REVIEW.

The Singapore Railway Review reports that the use of cotton seed hulls as a substitute for cotton waste in packing the journal boxes of cars and locomotives has been adopted on several roads.

THE ADVENTURE BOOKS.

The adventure books show that during the year 1880, \$3,561,300 were received from revenue stamps from the match manufacturers of the United States.

REMARKABLE DISCOVERY.

A remarkable discovery has been made by Mr Alex Adams, one of the technical officers of the Post Office Telegraph Department.

COMMERCIAL SPIRIT OF WINE.

Commercial spirit of wine is often colored yellow on addition of alkalies. According to Hen Lux, this is due to the presence of a coloring matter which he names flavescence.

THE RAINFALL IN SHASTA.

The rainfall in Shasta, California, is in proportion to the size of the big trees and other big things produced to that state.

A RETURN MOVED FOR BY LORD CLONCURRY.

A return, moved for by Lord Cloncurry in the House of Lords, has been issued, showing the total area of grass lands in the United Kingdom.

A PARIS FIRM, M. SERPOLLET.

A Paris firm, M. Serpollet, have lately patented a peculiar method of generating steam for a steam engine.

THE FIRM OF ROSSER, IN CHEMNITZ.

The firm of Rosser, in Chemnitz, have been for some time past trying to produce coils which should be quite air-tight and water-tight.

CANADIAN PARLIAMENTARY NOTES

Among the returns brought down on Tuesday afternoon was one by Mr. Langevin, for an order of the House for a copy of all memoranda to Council, and the Order in Council as to the withdrawal of Mr. Faulford Fleming from the position of Chief Engineer of the Canadian Pacific Railway...

pressed; that the service proposed was so full of complications that he could not believe that it would be utterly impossible for him to perform it with any hope of giving satisfaction in any quarter...

The report of the Minister of Agriculture for the calendar year of 1889 was laid on the table of the House of Commons yesterday. During the year 24,210 letters were received, and 39,998 were sent by the Department...

The total expenditure on census account during the year was \$9,089 95. The total number of registrations of copyrights, trade marks, industrial designs and timber marks, was 385 during the year 1880.

Table with columns: Year, Immigrant Passengers, Settlers. Data points for years 1872 to 1880.

The nationality of the immigrants who reported at Quebec during the year was: English 11,050, Irish 5,183, Scotch 2,875, German 307, Scandinavian 7,402, French and Belgians 21, Other origins-Swiss, etc 7, 1873 20,229, 1874 20,317, 1875 20,511, 1876 20,711.

The occupation of the steerage adults who arrived at Quebec was: Farmers 783, Laborers 10,140, Mechanics 435, Clerks and traders 51, Professional men 71, Total 11,780.

Reference is made to the visit of the British agricultural delegates to Canada at the expense of the Government, and to the reports of the agents at home and abroad. The total cost connected with immigration from 1873 to 1880 inclusive were as follows...

Amount, and which will probably, in the future, be turned in a very much larger stream to the Province of Manitoba and the North West Territory of the Dominion.

A statement has been brought down showing the amount of tolls, wharves and storage, times and damage and other receipts on account of canal revenues collected at Beauport during the fiscal year 1872 to 1880 inclusive...

The following statement taken from a return laid on the table of the House recently, showing the amount of duties collected on rice and powder in the Province of British Columbia during the fiscal year ending 30th June 1889...

Sir John Macdonald brought down a return showing the amount paid to the Hudson's Bay Company, by the various Departments since the transfer of the territory Department of Indian Affairs \$110,429, Militia \$228,719, Interior, 9,468, Justice, \$2,240, Agriculture, \$3,903, Marine and Fisheries, \$1,061, Public Works, \$243,394, Railways and Canals, \$237,644, total, \$1,009,122.

The bill introduced in the Senate recently, providing for the enlargement of the boundaries of Manitoba, may be briefly summarized as follows: The boundary begins on the international boundary, 197 miles west of Winnipeg...

CIVIL SERVICE COMMISSION

After the last session of the Dominion Parliament, the following gentlemen were appointed by the Governor-General Commissioners to inquire into the working of the Civil Service, their investigations to include both the inside and outside services...

COMPETITIVE EXAMINATIONS

A period of probation to precede permanent appointment. On this point the Commissioners say:—“We claim that it is the most effectual, indeed the only means for completely cutting away all opportunities for the exercise of political influence in making appointments and promotions in the public service...

BOARD OF CIVIL SERVICE COMMISSIONERS

“as free from political influence as the judiciary happily is.” It is proposed that the Board shall be composed of men holding an independent position, and capable of commanding general confidence; it should consist of three members, one of whom should be a French Canadian, or a representative of the Province of Quebec...

POWERS OF THE BOARD

“The Board should have power to obtain the assistance of persons who have had experience in the education of the youth of the Dominion, and with such assistance periodical examinations should be held in the most important cities and towns, especially at Halifax, St. John, Charlottetown, Quebec, Montreal, Toronto, London, Ottawa, Winnipeg, and Victoria.

“That he is within the limits of age prescribed by the Act for the promotion of persons to the position of employment to which he is appointed, and which for first appointments shall not be less than eighteen nor more than twenty-two years of age.

“That he is free from any physical or mental disease which would be likely to interfere with the proper discharge of his duties.

“That his character is such as to qualify him for such position or employment.” With the exception herein mentioned all regulations made to the Civil Service of Canada after the 1st of January, 1882, should be by means of examinations, according to regulations to be framed by the Board of Civil Service Commissioners, and approved by the Privy Council...

PROMOTIONS

For promotions in the service the examination should be on such subjects as may be decided upon by the Board of Commissioners after consultation with the chief officers of the department to which the promotion belongs, and such examinations should be competitive and open to all employees in the service holding positions ranking below those to which the promotions are to be made.

OTHER RECOMMENDATIONS

A uniform system of accounts throughout the service and the constitution of a revenue board, composed of the deputy heads of the Departments of Customs, Finance and Inland Revenue to try all revenue cases of importance and seizures, are recommended.

On the question of classification the Commissioners say:—“It is, we think, abundantly evident that the existing classification is much too complicated, and that it has a tendency to create discontent in addition to many facilities for the unjustifiable advancement of employees, to which we have referred.

SALARIES

It is recommended that the maximum salary of a Chief Clerk be \$2,800, and the minimum \$2,200. First Class Clerks to commence with \$1,600, advancing by biennial increments of \$100 up to \$2,000, with duty pay for the performance of special duties not exceeding \$300, such duty pay being only granted under the same restrictions as are proposed with reference to Chief Clerks.

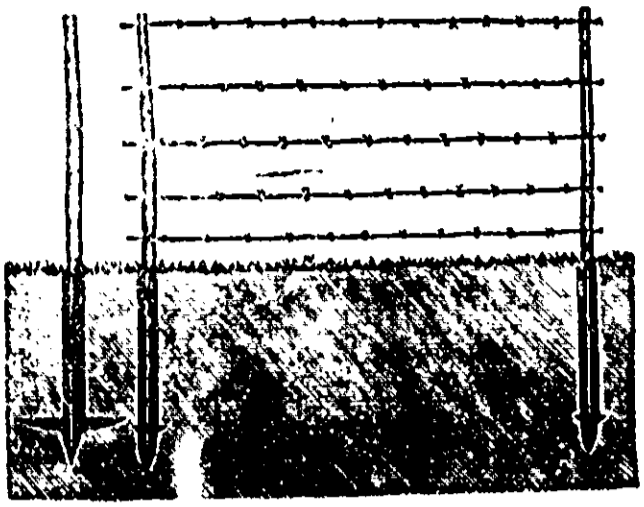
CUSTOMS

Table with columns: Postion, salary. Includes Chief Inspector (\$1,000 to \$2,000), Inspectors (\$1,200 to \$2,000), Collectors (\$1,000 to \$2,000), Supervisors (\$1,300 to \$2,500), Chief Clerk (\$1,200 to \$2,500), etc.

COUGHLIN'S PATENT FROST AND FIRE PROOF IRON FENCE POST

(PATENTED IN THE UNITED STATES AND CANADA)

THE GREATEST INVENTION OF THE AGE.



For Barb or other Wire Fences, the

BEST, CHEAPEST AND MOST DURABLE

LEAVE POSTS FOR WEEKS or months of use with the same post hole, etc.

I will build Barb Wire Fences with the Patent Iron Post at a

VERY LOW FIGURE.

For particulars send for circular

Parties desirous of becoming Local Agents, or obtaining county rights, please apply at once to

P. COUGHLIN, PRESCOTT, ONT.

HART EMERY WHEEL COMPANY

MANUFACTURERS OF THE

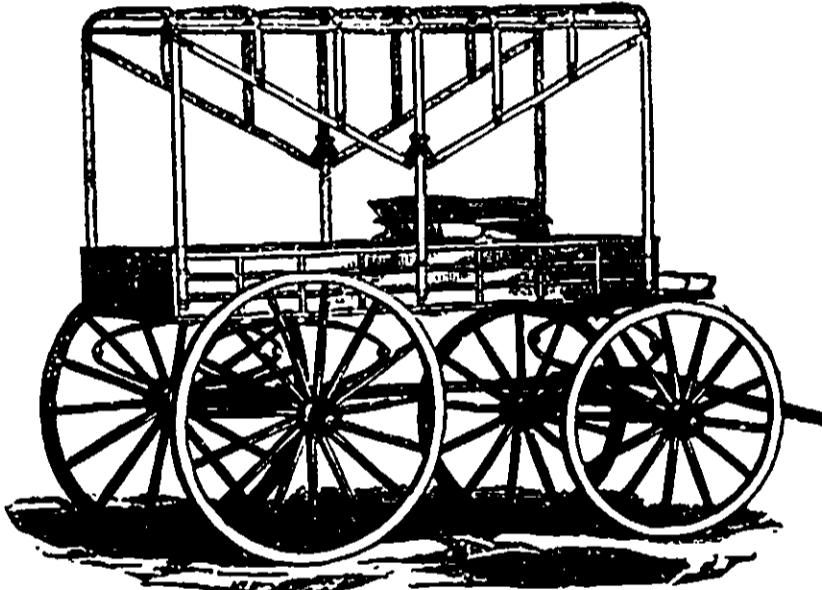
DETROIT EMERY WHEEL.

Each Wheel strengthened by a Brass Wire Web inserted. Send for Price List and Circulars.

Hamilton, Ont.

4th Bronze Medal and First Prize at Toronto Industrial Exhibition, 1880.

THE CELEBRATED



NATIONAL MANUFACTURING CO.

202 SPARKS STREET, OTTAWA.

NOVELTY WAGGON TOP.

SEND FOR ILLUSTRATED CATALOGUE.

McCOLL BROS. & Co.

TORONTO,

Were awarded the FIRST PRIZE for their LARDINE and other

MACHINE OILS

At the great Industrial Fair, Toronto, 1890, and

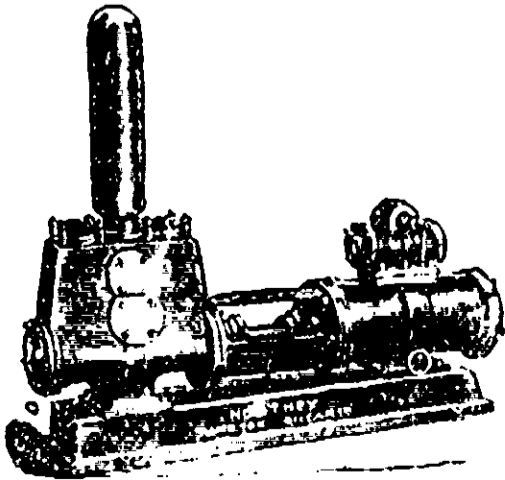
Four First Prizes and Gold Medal

At the Provincial Exhibition, Hamilton, 1880.

Their Lardine Machine Oil was used, by authority of the Association, on all the machinery at both Fairs during the four weeks, and proved a very superior oil.

NORTHEY'S STEAM PUMP WORKS

BOILER FEED PUMPS,
AIR AND CIRCULATING PUMPS,
STEAM FIRE PUMPS,
WRECKING PUMPS.



MINING PUMPS,
PUMPS SPECIALLY ADAPTED FOR OIL PIPE LINES, OILY WATERWORKS.

No. 47 KING WILLIAM STREET,

SEND FOR CIRCULAR.

HAMILTON, ONTARIO.

Oshawa Cabinet Company, FURNITURE MANUFACTURERS

OSHAWA.

Highest Awards and Two Silver Medals at Dominion and Toronto Exhibitions, 1870 and 1880.

RETAIL WAREHOUSES:

97 YONGE STREET, TORONTO.

GALT FOUNDRY & MACHINE SHOPS COWAN & Co.

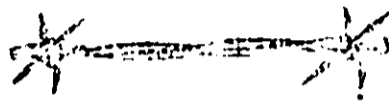
Iron Founders and Manufacturers of all kinds of WOOD-WORKING MACHINERY, with all the latest improvements.

Steam Engines and Boilers,

PORTABLE AND STATIONARY.

Our REVOLVING BED MOULDING MACHINE stands unrivalled, and has never yet had any competition.

BURNELL'S



FOUR-POINTED GALVANIZED STEEL BARB WIRE FENCING.

There are now before the public a number of Four-Pointed Barbs, which to the casual observer, are similar in appearance to the Burnell barb which we are making, but a close examination of them will show the difference and their inferiority.

The Grand Trunk Railway Company of Canada give it a preference over all others, and have contracted with us for over one hundred tons of fencing for immediate delivery.

This barb was patented in the United States in 1877, and is no infringement on any other patent, and we will defend our rights. We claim superiority for our Barb Wire over all others for the following reasons—

1st.—We use only the best quality of Galvanized Annealed Steel Wire.

2nd.—The two strands of No. 12 Wire are twisted together just enough to allow for the contraction and expansion of the metal, caused by heat and cold, and not so much as to injure the structure of the wire.

3rd.—The barbs on our wire are four-pointed, thus always presenting a barb laterally or a right angle, which is a great advantage over the Two-Point Barb, as cattle are unable to get against the fence to break it or push it down.

4th.—The barbs are fastened to the wire at intervals of 7 inches, in a manner entirely different from any other, being secured by a nut and washer, so that they cannot slip or move toward each other, and they also prevent the untwisting of the wire, which would otherwise get broken.

5th.—The barbs are put on by machinery, which are put on so perfect that the wire is not injured or weakened by the process, as is the case with other Four-Pointed Barb Wire.

Manufactured by the CANADA WIRE COMPANY, Montreal.

H. R. IVES, Manager

Shurly & Dietrich



MANUFACTURERS OF

CIRCULAR AND CROSS-CUT SAWS, PLASTERING TROWELS, ETC.

GALT, - - - - ONTARIO.

DUNDAS COTTON MILLS CO.

DUNDAS, ONT.

GREY DOMESTICS, HICKINGS, DENIMS, CHECKED AND STRIPED SHIRTING, CORDON CAGES, WARPS, YARNS, ETC.

The production of these goods has been made especially in reputation in the trade, and our customers are delighted with the quality of our goods, and we sell them they have no equal.

DOMINION CARD CLOTHING WORKS

YORK STREET, DUNDAS,

W. R. GRAY, Proprietor.

MANUFACTURED BY THE CANADA WIRE COMPANY, Montreal.

Card Clothing and Woollen Mill Supplies

PANWELHOUSE CORNER. This hotel is in the centre of the town, near to Town Hall and close to Post Office. Terms 1 per day. Comfortable and ample Rooms.

STENCIL PLATES, STEEL STAMPS for marking tools, etc., STAMPS AND SEALS of every description.

Pritchard & Mingerd,

SPARKS STREET, ONT.

SEND FOR ESTIMATE.

BRAYLEY & DEMPSTER

MANUFACTURERS OF

WROUGHT IRON AND SADDLERY HARDWARE

SCREW & STRAP HINGES A SPECIALTY

47 & 49 King William St.

HAMILTON, ONT., CANADA.

PORTER & SAVAGE TANNERS

AND MANUFACTURERS OF

LEATHER BELTING, FIRE ENGINE HOSE, HARNESS, MOCASINS, LACE, RUSSET and

OAK SOLE LEATHERS.

Office and Manufactory

426 VISITATION STREET, MONTREAL

Metal & Rubber Stamp

KENYON-STEWART MFG. CO.

Manufacturers of the finest variety of Rubber, of Railway and Business Stamps, Seals, etc., to be seen. Awarded Bronze Medal at Toronto Industrial Exhibition, 1880. Office and Manufactory

80 KING STREET WEST, TORONTO

DOMINION ORGANS & PIANOS

THIS largest and most complete factory in the world. Highest honors ever awarded to any Maker in the world.

2nd Medal and Diploma at Centennial, 1876.

2nd Medal and Diploma at Sydney, Australia, 1877.

2nd Gold Medal at Provincial Exhibition, Toronto, 1880.

2nd Highest award at Industrial Exhibition, Toronto, 1880.

We are now manufacturing Square and Upright Pianos best in the market. Correspondence solicited. Send for Illustrated Catalogue, mailed free.

ADDRESS:

Dominion Organ Company

BOWMANVILLE, ONTARIO.

WIRE ROPE.

ROUND and flat holding ropes of best kind of iron and cast steel. Charcoal iron for traction and pulleys.

MANUFACTURED BY

B GREENING & Co.

Hamilton, Canada.

ANILINE DYES,

From the celebrated manufacturer

MR. K. OHLER, AT OFFENBACH O. S.

The Trade supplied at MANUFACTURERS' PRICES.

For use the Agency in Canada.

Emil Thouret & Co.

MONTREAL.

WINDSOR HOTEL, NEWCASTLE, N. B. Proprietor. New house and new for 1880.