

wise $9\frac{1}{2}$ feet long, without hammering; and a hydraulic pump for testing boilers. The machinery here is driven by a 30 horse-power water-wheel. 3rd, Foundry, 70 by 60 feet, with facilities for making the heaviest castings required in this country. 4th, the Pattern Shop, 50 feet by 40, with accommodation for 10 or 12 pattern-makers. 5th, the Finishing Shop, 105 feet long by 50 feet wide, and three stories high, containing a large quantity of machinery of various sorts, of the best description, with the latest improvements, driven by a 25 horse-power water-wheel, and a 20 horse-power steam engine, when the water is drawn off the canal for repairs. The number of men and apprentices employed here is 160, receiving wages amounting to £190 or £200 per week,—they have gone as high as £325 per week. The work produced per annum is valued at £40,000, with capacity for extension to £70,000 or £80,000. The work done here, heretofore, has been for Lower Canada, with the exception of the iron steamer "Kingston," now plying between Toronto and Kingston. They are now executing an order for boilers for a powerful ferry steamer, which is being built by the Great Western Railway Company, for the Detroit River. They possess peculiar facilities, with a boat shed, &c., on the bank of the canal for the construction of iron boats, and fitting the boilers and engines into steamers. They have now under contract three iron vessels, for the Trinity Board of Montreal. They execute all sorts of boiler and engine work, heavy blacksmithing, iron and brass castings, and mill-work.

MESSRS. CAMPDELL & JONES, Canal Basin,—Established, in 1855, a manufactory of saws at the Canal Basin. They use machinery propelled by water of forty horse power. They produce about \$15,000 worth annually, of which they sell to places out of Montreal about \$8500. They have the necessary appliances to supply the whole Canadian market. This is, we believe, the first and only establishment of this kind in Lower Canada. Although very recently established the business is rapidly increasing.

LYMANS, SAVAGE & CO., LINSEED OIL, PAINT, DRUG AND SPICE MILLS,—Established in 1852. The building is 60 by 40 feet, built at a cost of £10,000, propelled by hydraulic power equal to four runs of stones. They employ from 30 to 35 men, paying about £50 wages weekly, with a capital of about £15,000. They manufacture 30,000 gallons of linseed oil, 500 tons linseed cake, 100 tons putty, and 25 tons paint, grinding 20 tons drugs and spices, amounting in value to £30,000. 450 tons of linseed cake are exported to England, four-fifths of the remainder sent to places in Canada out of Montreal.

SAW MILLS, &c.—There are several saw and planing mills in the City, but only a few returns have been received from their proprietors. Messrs. Grant, Hall & Co. built one at the Canal Basin in 1851, in which are employed 3 circular saws, 2 planing machines, and a barrel machine, propelled by a water-wheel, with 80 horse-power; 70 persons are employed by it. They can plane and dress 1,000,000 pieces, say, of flooring, and saw 10,000,000 feet of lumber per annum. It is all sold for home consumption, a 30 per cent. duty shutting out dressed lumber from the United States market.

MR. T. D. BIGELOW'S CITY NAIL AND SPIKEWORKS,—Were established over 60 years ago, with one or two machines; in 1839 he had 5 machines, propelled by horse power, and employing 20 men. After the water power at the canal basin was opened up to the public use, Mr. Bigelow removed there. He now uses 54 nail machines, 4 spike ditto, 1 shoe sprig and 1 tack ditto, with shears, grind-stones, &c., propelled by water. About 50 men and 10 boys are generally employed here, earning 15s., 30s., and some 90s., per week. The works are now turning out from 1200 to 1500 tons of nails per annum, and can, if pushed to their full capacity, turn out 2000 tons of nails and 500 tons of spikes.

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