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NANUFACTURING & MINING INDUSTRIES,

Vol. 5.

TORONTO, OCTOBER 22, 1886.

No. 20.

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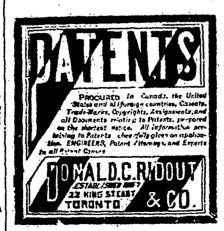
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DIAN MANUFACTURER USTRIAL WORLD.

Vol. V.

TORONTO, ONT., OCTOBER 22, 1886.

No. 20.

THE RECIPROCITY QUESTION.

 8_{0ME} few weeks ago a long despatch appeared in the daily papers, professing to give the details of a Draft Reciprocity Treaty, alleged to have been framed and agreed to by the American Minister and the Foreign Office in London. Our semi-official papers denounced it as bogus, and its elaborate elauses were found on examination to be copied almost wholly from the old Treaty, made in 1854. This Draft Treaty, it was alleged, had been sent to Ottawa for consideration and criticism by the Dominion Government. Only last week, again, another alleged Treaty document turned up. The Boston Globe Professed to have received it as a cable from London; and it purported to give the essential parts of the Canadian Government's criticism of the alleged Draft Treaty above mentioned. Here let us quote from the alleged reply:—

"As must be known, the Canadian Government in 1878 entered upon a new era in the adoption of a protective system, having in view the best interests of Canadian manufacturers. That Policy, then encouraged, has proven commercially of the highest interest to the business community of the country. Their interests and those of this Government are identical.

To-day manufactories which have been established for years are running with full work, and employ large numbers of operatives in the manufacture of different lines of goods embraced within the schedule. It is considered that while enong the articles so enumerated and submitted to this Government, those which are the products of the land might without danger to the commercial interests of Canada be admissional danger to the commercial interests of Canada be admissional mithing. mitted free into each country, yet there are contained within that schedule many articles which the Canadian Government would not care to admit in the interests of the manufacturing community.

"Being therefore fully aware of the deep interest manifested Her Majesty the Queen, through the Imperial authorities Canadian colony, and that the proposed draft is the outof that consideration, the Canadian Government feel their deep obligation to Her Majesty for the interest thus displayed. It should, however, be considered in this connection, that the will of the people as expressed in a marked degree at polls in 1878, by the election of a Conservative Government to power, and the confidence reposed in that Government tince that time on account of the successful carrying out of the Policy then inaugurated, shows clearly that the feeling of Canadians would be opposed to the ratification of such a treaty that proposed in detail by the draft forwarded to this Government for consideration.

"As regards cotton and woollen clothing manufactured, it is said that at the present time over \$10.000,000 is invested in these lines throughout Canada, of which Montreal and Toronto have an interest of over two-thirds. [What about Hamilton? beg to ask. Surely a remarkable omission, when manu-

who are also manufacturers, have invested their capital with the understanding that they would be protected, and not being able to successfully compete with the manufacturers of the large centres of the United States, it is thought that this line should be dropped from the list of free goods.

"The same objection is also made as regards agricultural implements. If the treaty as proposed by the draft were to go into effect, the result is pointed out as being that the makers of self-reapers and mowers in Ontario would be obliged to close their shops, and throw out of employment some 8,000 men. skilled citizens who are at present employed in different vocations connected with the business. Not only would McCormick, but a horde of American manufacturers of self-reapers. binders, mowers, ploughs, and other farm implements, flood the country with their goods, which they would be able to sell in legitimate trade at 20 per cent. discount from the prices now asked in Canada by Canadian manufacturers.

Si non vero, e bene trovato, says the Italian proverb: if not true it is well found, or cleverly invented, to say the least. If the reasons above set forth have not actually been stated by the Dominion Government, as alleged, they are nevertheless such reasons as it would have been the Government's duty to have given, supposing such a Treaty to have been proposed. After having established the National Policy of building up home manufactures by means of Protection, and that with a measure of success really remarkable for an achievement of only seven years' effort, it would indeed be acting a foolish and cowardly part to throw up the sponge now, and thus sacrifice a victory which already is practically won. We can readily enough believe that English free traders would be zealous to promote any new arrangement whatever, with the United States or any other country, if only it held out promise of making a breach in the defences of Canada's National Policy But no such blundering sacrifice of this country's interests will be consented to by the Canadian people.

On another page we copy an article from the Toronto World. in which is stated at length the one great objection which is, and always must be, fatal to all proposals for Reciprocity between the United States and Canada-in manufactured goods. Such Reciprocity would open American markets to Canadian goods-only this and nothing more. But it would open our markets, not alone to American goods, but to British goods as well, and through Great Britain to the manufactures of all the world besides. The same conclusive argument has been repeatedly set forth in our own columns, as readers of the CANADIAN MANUFACTURER can bear witness. There is positively no way of getting over this gigantic and really insuperable difficulty. Time and again have our free traders been challenged in these columns to explain, if they could, how this factured clothing is spoken of.] These wholesale dealers, difficulty is to be overcome. But no such explanation has yet been forthcoming; nay, the thing has never even been at- bly be used at home to any extent except under a policy of tempted that we know of. And we make bold to add that no high protection, our best plan is to sell them to outsiders and such attempt ever will be made, at all events not in our day and generation.

Something that looked like an attempt to solve this main difficulty of all was made in the framing of the late Mr. Brown's Draft Treaty of 1874. That document contained a rather limited free schedule of manufactured goods, to be free on both sides respectively. The limitation of the schedule, however, was not dictated by any carefulness for the protection of Canadian manufactures, on the part either of Mr. Brown or of the Free Trade Government then in power at Ottawa, which he represented. But it had its origin in the carefulness of the American negotiators, who feared that Canada might become a vast receiving depot for English goods, which would be sent across the frontier by wholesale under the guise of Canadian manufactures: and therefore the list was limited to articles which as a rule are not imported here from England at all, among which stoves and farm machinery are conspicuous And this was no mere imaginary danger, either, for it certainly would have proved a very real one, and one of the most practical kind, too, had the opportunity for "trying it on" been afforded. Of course it is no reflection on Mr Brown's memory to say that, as a consistent Free Trader, on principle, he would have been only too glad to have put everything on the free list, had that been in his power. As things were, he went just as far as he could get the American State Department to go with him, in the mere draft of a treaty, which after all was promptly rejected by the Senate.

Still, the question may be asked: Why not endeavour to improve on Mr. Brown's effort of a dozen years ago, and make up as large a list as we can of manufactured articles, such as are not now imported from England either into Canada or the United States, and would not be even were the ports of the latter two countries thrown open to such articles? The reply must be that we have to deal, not with conditions staple and permanent, but with conditions in a perpetual state of flux and change, which may be one thing this year, and quite another thing next year. Just at present the idea of importing base burning stoves or self-binders from England would be counted the height of madness. But the times change, and we change with them. Already an American sewing machine company has its extensive works in Glasgow, manufacturing for European markets there, much cheaper than they can do in or near New York. This part of the subject, however, is important enough to deserve separate treatment.

Of course professed free traders are not expected to care much what disastrous effects upon home manufactures any particular policy may have. Some of them go so far even as to hold that this country, and perhaps other countries too, would be happier and better off without any home manufactures at all—that is, without any such as come into competition with imports from abroad. Factory life and factory work, they say, is bad for any people, and it would be our wisdom, at all events, to let manufacturing alone, and for Canada to stick to grain-growing, stock-raising, dairy-farming, and such like. We have timber from the forest, and fish from the sea, in excess of our own wants; and for these we must seek markets abroad, thereby paying for so much of our imports. Canada has also metallic ores of great value; but, as these ores could not possi- opening our ports to the whole world for manufactured goods

get rid of them for what they will fetch. Why, indeed, should we trouble ourselves with such things as iron smelting furnaces, which require protection to keep them going? Fortunately our enterprising neighbors south of the lakes are willing and even eager to take off our hands all the iron ores, that we can ship on cars or vessels; so let them take these ores. all they want of them. If iron making cannot be established in Canada without protection, then we don't want it all. Our customs tariff should be one "for revenue only," and not at all for protection.

"A tariff for revenue only," indeed! If this be your drift, you had better look before you leap, in the matter of the proposal for a Reciprocity Treaty with the United States, in which manufactured goods as well as natural products shall be included. At present we are importing such goods from both the Mother Country and the States, and that to a very large amount every year. Our imports from the former average about fifty millions worth per annum, mostly manufactured goods, although it must be remembered that tea and other products of distant lands, which we get from England, count for something. From the United States we import about as much, fully half of which must consist of manufactured articles; the balance being made up of tobacco, raw cotton, corn, pork, etc. We shall probably not be far astray if we put our total imports of manufactured goods, from Europe and from the United States together, at something like seventy-five million dollars At an average of thirty per cent, the duty on these goods would be \$22,500,000. But say that we knock off the odd figures, and call the duty collected the lump sum of twenty million dollars.

Where, my wise and witty free trade friend, will your "tariff for revenue" be, if you coolly drop this little trifle of twenty millions out of our annual income? Why, it would be letting the bottom drop out of the Dominion Treasury. Don't you see now, at a glance, that your proposal is uttery visionary and impracticable. The thing is simply outside of practical politics altogether: positively "it can't be did." Admit manufactured goods free from the United States, and you must admit the same kinds of goods free from Great Britain as well. But British export warehouses are filled, not alone with goods made at home, but with the manufactures of all countries, all admitted there free Therefore, when you open your ports to American goods, you open them at the same time to British goods, and, through British merchants and British shipping, Canadian ports are opened to the whole world besides. The goods being now free and paying no duty, at least twenty millions of our annual revenue vanishes away, like Aladdin's enchanted palace when the genius of the lamp waved his mighty hand.

Let our Canadian free traders scoff as they please at the idea of Protection for its own sake -that is, Protection for the pur pose of building up home manufactures. But they cannot thus lightly dismiss with a sneer the question of revenue. revenue the country must have; and on their own showing "a tariff for revenue only" is their particular hobbyhad better now set their wits to work and show how they would replace the twenty millions, at least, which would be lost to the revenue were we to adopt the crazy scheme

CANADA DOING FOR HERSELF.

THE Canadian Gazette (London, England, Oct. 7) thus invites John Bull's attention to the fact that Canada can do a great deal more for herself than he imagines: --Of axes and general tools a rather striking collection may be seen in the Machinery Hall. The Times was good enough to inform its readers recently that the Canadian demand for axes, chisels, and the like was met from the United States, at the same time urging English manufacturers to pay more attention to this field. Unfortunately, the leading journal started on a wrong hypothesis, which renders its advice of no value, for Canadians are fully competent to supply their own needs in this direction. Indeed, at the Philadelphia Centenary Exhibition the Canadian display of tools justly aroused much surprise, even when compared with those sent by English and United States manufacturers: and no on ewill venture to say that the Canadian methods of manufacture have in any way fallen back, or indeed failed to keep pace with the times, in the interval between then and now. The arrangement of this class of exhibits is in many cases effectively managed on the east and south walls of the Machinery Hall, so that a good idea of the implements is obtainable. Among the exhibitors the following may be mentioned :-Mr. William Campbell, of St. John, New Brunswick; Mr. Josiah Fowler, also of St. John, New Brunswick; Messrs. Frothingham & Workman, of Montreal; Mr. Gawen Gilmore, of Montreal; Mr. O. V. Goulette, of Gananoque; the Halifax (Nova Scotia) Manufacturing Company; Messrs. H. R. Ives Co., of Montreal; Messrs. Warnock & Co., of Galt; the Welland Vale Manufacturing Company, of St. Catharines Messrs. Wilson Brothers, of Merritton; Mr. R. T. Wilson, of Dundas, and Messrs. Wintermute & Still, of Tilbury Centre.

WHEAT PRICES.

The Mail gives the following figures, showing how present prices for wheat compare with the prices of eight years ago. On October 14, 1878, the prices of spring wheat in Toronto, Chicago, and Liverpool, stood thus:

Toronto													*	.65
Chicago														.78
Liverpoo	ı													1.36

Spring wheat in Toronto was just seventy-one cents lower than at Liverpool, and thirteen cents lower than at Chicago.

On October 14, 1886, the corresponding date for the present year, the prices were:

Toronto	73	cents
Chicago	721	66
Liverpool	97	"

Spring wheat in Toronto was thus but twenty-four cents lower than at Liverpool, and just half a cent higher than at Chicago. Let us put it in another way: spring wheat is now eight cents higher in Toronto, five and a half cents higher in Chicago, and thirty-nine cents lower in Liverpool than it was on the same date in 1878. If the prices were relatively as low in Toronto, compared with the Liverpool price, in 1886 as in 1878, spring wheat would just bring forty-eight cents in Toronto to day. It is in the face of these facts that the farmer is told the National Policy has injured him by causing the price of his wheat to be low.

RECIPROCITY.

(From the Toronto World.)

WHEN it was published that the draft of a new Reciprocity Treaty had actually been framed in London, and that a copy had been received by the Dominion Government for consideration, semi-official denials came thick and fast. In spite of the denials we ventured the opinion that the story was substantially true, and that there was genuine fire underneath all the smoke. And it looks as if this estimate of the report were about to be proved correct. The Boston Globe (quoted by its Toronto namesake) publishes a special cable from London, giving the substance of the Canadian Government's alleged despatch objecting to the Draft Treaty, and our city contemporary thinks that the same has every appearance of being genuine. The main objection is simply this: that while Canada will be happy to accept reciprocity in natural products, as under the old treaty, the inclusion of manufactured goods is out of the question. In 1879 Canada entered upon a new era, in the adoption of a protective system. Under this policy manufactures have grown up and expanded, and the idea of exposing them to be crushed out by free trade cannot be enter tained.

Thereupon the Toronto Globe falls foul of the Macdonald Government, which it says is opposed to reciprocity, because that would be fatal to the N.P. We agree that it would most certainly be fatal to the N.P., were manufactured goods to any extent included in the free schedule. If articles comprising our leading manufactures generally were included, the most important Canadian factories would close their doors in short order. Time and again have we explained in these columns what is the main reason why this must be so; but we may as well lay our account with it that the explanation will have to be very frequently repeated, for the benefit of the "stupid party" in Canada.

Let us suppose, then, that a pretty extensive free schedule of manufactured articles has been agreed upon, all which are to pass duty free, from Canada into the United States, and vice versa. "Is not that perfectly fair," you will say, "just the same for both sides; what objection can there be to that?" We reply that it is most emphatically not just the same for both sides—no, "not by a long chalk." To our neighbors the result would be that they would have to admit free all Canadian manufactures named in the schedule, but not the manufactures of any other country whatever. Canadian manufactures only, and none other, would thus be admitted free in virtue of the treaty. But on our side the difference would be something Canada being a British colony, cannot collect tremendous. duties on British goods while admitting the same kinds of goods free when coming from a foreign country. Such a treaty, therefore, would open our markets, not only to American products, but to British products as well. But even this is not all, for British export warehouses are filled, not alone with goods of home production, but with goods from France, Belgium, Germany, and elsewhere on the continent of Europe. To distinguish the latter from British-made goods is mostly impossible; and all the more so from the fact that the market is flooded with con tinental goods, got up expressly in imitation of saleable British This is something to the truth of which our own importers and buyers can abundantly testify. And Great Britain, be it remembered, admits free the manufactures of the whole world, except in cases where a customs duty on the imported article is necessary to balance an excise duty on the home product. The result would be that, whereas our neighbors would be opening their ports to Canada only, we would be opening our ports to Great Britain as well, and through Great Britain to all the world besides.

Under the former Reciprocity Treaty this difficulty did not occur. For, although the articles scheduled free from the States had also to be free when imported from the Mother Country, yet our interests were not affected, inasmuch as the scheduled articles were all such as we do not import from

beyond sea at all. There would be no import of English wheat, round. The retail people say they are doing better than at or flour, or pork, or beef, into Canada, duty or no duty. Coal the same date last year, and the wholesale trade say ditto. and salt form the only possible exceptions that occur to us just now; and they could never count very heavily. Between a treaty confined to natural products only, and one including manufactured goods as well, the difference is simply immense chary about booking orders ahead, unless they have the wool -to Canada.

This is the one great difficulty in the way of making free exchange of manufactured goods between Canada and the United States. Other difficulties have been stated, which might be got over some time, and in some way or other, who knows? But this difficulty is insurmountable; positively it cannot be got over, "no how you can fix it," as a Yankee might say. We see no hint of it in what the Boston Globe reveals to us of the alleged Canadian reply, objecting to the London Draft Treaty. But from a Canadian point of view the reply, or what we see of it, is amply sufficient. Ministers who should sanction reciprocity with the United States in manufactured goods would be guilty of high treason to their country's interests. And supposing all that we have heard to be true, Sir John and his colleagues deserve the thanks of the country for having had the courage to say "No," in spite of the blandishments of London and Washington combined.

It was in 1874, a little over twelve years ago, that the Brown Draft Treaty, providing for only rather a limited free schedule of manufactured goods, was given to the public. And the present writer thinks it not at all out of the way to state that promptly on the nail he explained, in a leading journal, the fatal objection above set forth—the fact that free trade, professedly with the United States only, would in effect open our ports to the whole world, so far as the American free schedule was concerned. No attempt to answer this objection, or to suggest how the difficulty might be got over, has ever yet been made, that we know of. And it is safe to say that no such attempt ever will be made; or that at all events if really made it will not be paraded in print. The difficulty stands there, gigantic and insurmountable; and stand there it will while Canada remains a part of the British Empire.

THE STATE OF TRADE.

(From Weekly Review in the Montreal Herald, Oct. 18.)

THE improvement in the distributive movement noted last week has been well maintained throughout the present one, and the general aspect of commercial affairs is one full of satisfaction and encouragement. From all sections of the country reports are coming in of renewed activity, and a preparation on the part of storekeepers for a good fall business. Notwithstanding the excitement attending a general election, such as that which has convulsed the Province of Quebec during the week, business men were fully alive to the commercial requirements of the hour, and a very fair volume of trade has been maintained in all departments. Travellers are sending in satisfactory orders, and report prospects good and business improving in all directions. Prices of all descriptions of merchandise are firm and a hardening tendency is apparent. The general aspect of business affairs is encouraging, and business men generally are satisfied with the prospects.

COTTONS AND WOOLLENS.

The feeling is good and prices are very firm. In some classes of goods, sold for spring deliveries, jobbing houses are pressing for a portion of the deliveries now, and are willing to take them at present dates instead of at spring dates. This is of itself a proof of a healthy demand prevailing at the present time. Some manufacturers have, in fact, undertaken as much, if not more, than they can really accomplish within the time allotted to them.

DRY GOODS.

election matters trade in the city has been very satisfactory all tanners, Mount Forest; A. L. Jarvis.

Travellers are sending in fairish orders, and the country shop keepers are apparently not afraid to buy. Woollens continue, we are told, to advance in price, and manufacturers are very on hand to make the stuff so sold. Cotton manufactures are held firmly, and we hear of a slight advance in some lines of white shirting, and any change which may now take place will, it is expected, be in the direction of higher prices. Remittances as the month wears on show an improvement, and one of our friends whom we interviewed told us that up to the 13th of this month there is a decided improvement over the corresponding period of last year.

IRON AND HARDWARE.

In the British markets pig iron is strong, and a further slight advance in maker's brands has been effected. Middlesborough iron especially is very firm at an advance of about 2s. per ton, consequent, we believe, on the action of the coal miners and the reduced output. The feeling seems to be that the turn in the market has certainly come, and that much higher prices may be looked for in the future. Whether this expectation will be realized is a difficult matter to judge, as the course of the iron trade in the past two or three years has not been very bright. In the local market the difficulty in securing ocean freights combined with increased first cost of iron has made holders very firm in their ideas. Some of the larger buyers in the West do not feel inclined to respond to this advance, and they will likely have recourse to the hand-tomouth system of purchasing during the coming winter. have been made at \$17 @ \$17.50 in Montreal for leading brands, and at \$18 @ \$18.50 delivered at Western points. Bar iron is very firm in England, but prices have not advanced beyond the \$1.60 basis, at which figure some good sales have been made. Tin and Canada plates are dull. Other metals are unchanged. Shelf hardware is meeting with a good demand. The general aspect of the market is very encourage ing, and manufacturers generally look forward to a better and more paying trade.

SUGGESTIVE FIGURES.

A RECENT work published in London, entitled "Our Colonies and India," throws light on one phase of the importance to Great Britain of her colonial possessions. The statement is made—and is accepted by so good an authority as the Spectator that the yearly comsumption of British goods by foreign countries is in France, Germany, Holland, Belgium, and the United States an annual average of ten shillings sterling per head of their respective populations. Meanwhile, the annual average per head for Canada is two pounds, for South Africa three pounds, and for Australia eight pounds. On which the New York Herald remarks that this enormous difference in favor of the British colonies is very suggestive, and ought to be a hint to American manufacturers and producers.

OUR CARD BASKET.

THE following is a list of those who have favored us with a call since the date of our last issue:

W. F. Dalley, of Messrs. Dalley Bros., Hamilton; W. B. Campbell, of the Budget. Toronto; Wm. Bell, of Bell Co., organ manufacturers, Guelph; R. R. Pringle, Cobourg; Jas. R. Armstrong, of the Jas. R. Armstrong Manufacturing Company, Guelph; J. R. McLaren, of Messrs. J. R. McLaren & Co., Montreal; F. G. Bullock, Otterville; R. H. Merriman, Hamilton: Mr. McKechnie, of Messrs. McKechnie & Bertram, Dundas; Messrs. Hemming Bros., case manufacturers, Toronto; This department of trade, so easily affected by atmospheric R. Simpson, Toronto; A. G. Mortimer, Editor Canada Lumber changes, reports that notwithstanding the excitement attending man, Peterborough; Thomas Colgan, of Messrs. Colgan, Bros.

THE

Canadian Manufacturer

AND INDUSTRIAL WORLD.

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ANNUAL SUBSCRIPTION, IN ADVANCE, \$2.00.

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EDITOR: FREDERIC NICHOLLS,

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W. G. A. Hemming, Toronto.

All Manufacturers are invited to become members of this Association EFFull particulars will be furnished on application to the Secretary.

Editorial Motes.

Tip window glass manufacturers of Pittsburg have taken preliminary steps towards the formation of a nation desyndicate. the object being to advance and maintain prices.

Following the lead of the pork packers, the Chicago coopers have gone back to work on the ten hours system. The employees of the Union Stock Yards Company's blacksmiths sleeps have done the same, and the section hands have also gone back to work at ten hours.

OSE of the most recent London cables says that with the ex-This Journal has won for itself an acknowledged position amongst Trade Journals coption of some slight feeling of dissatisfaction in Australia, the satisfact of the country are represented in its columns and it has been for years the factors and somisted absocate of those reforms which were hollippeosable to the factors of the Manufacturers. It now reaches nearly every nois and factory in the frequency and its influence is constantly increasing. ada will subscribe £50,000

> Tur latest from the kintting null district in York State is that the mills of the Manufacturers. Association which were running on Monday were still in operation on Tuesday. Some proprietors report an increase in the number of their employees. The Knights of Labor are orderly and determined. Cohoes seems now to be the battleground more than Amsterdam. IFor a further account of the troubles in this district see "Textiles."

> In the Grand Trunk half yearly report, issued in London on Monday last, the Directors state that the causes of the depres sion, dwelt upon in the last report, have now in great part passed away, and business appears to be reviving in the States and Canada. The harvest was satisfactory, and, on the whole, the figures for the last half year, with the results during the current half year, are considered encouraging. The progress made by the company towards recovery from the effects of the depression shows that its recuperative power is reassuring and satisfactory

The second Hudson's Bay expedition appears to have established this much that the route is safe and practicable for at least three months every season. That would suffice for one trip down to the southern extremity of the bay and out again. But even were the open season stretched a little over the three months, it would not suffice for two trips. The question now is swould it pay to keep a fleet of suitable vessels for the one round trip per annum? The answer to which must depend upon whether the vessels could find employment elsewhere during the rest of the year.

The shepherd boy in the r ble cried "wolf, wolf," so often. when no wolf was there, that at last the people did not believe him when the wolf actually came. In like manner the cable despirches about "wars and rumors of wars" have become so monotonous that now we pay scarcely any heed to them. And yet it may be that what has been long delayed is about to come at last, and that a great European war is among the things appointed for the opening of 1887. In European capi- the Canadian Pacific traffic are the Central Vermont, the Ben that next spring will witness the outburst of the volcano.

The strike of the Chicago pork packers for eight hours has collapsed, and the men have returned to their work of ten hours per bay without making any conditions. They got the "walking delegate" at last, and said that sickened instead of obeying his orders any more they were going to act for themselves. This would have been a happy conclusion to the strike but for one unfortunate occurrence. As a train earrying some new comers home again to where they came from was starting out, a disturbance commenced and a volley was fired by the Pinkerton armed band, the result being that one man was killed. This will bring about a searching investigation, with the probable result that the Pinkerton army will be deprived of its supposed power to enforce martial

Among our newest enterprises is that of the Canadian Anthracite Company, which has just been organized with a capital of half a million dollars, for the purpose of working and developing the Stewart coal mines, near the famous hot springs at Banff, North-West Territories. The necessary deposit of \$50,000 has been made with the Government, and letters of incorporation will be issued in a few days. The principal promoters, who have associated with them several wealthy American capitalists, are Senator Sharpe, of Wisconsin, and Mr. McLeod Stewart, of Ottawa. The mine is located at a short distance from the Canada Pacific Railway track. One seam crops out of the surface and extends three miles in length. A shaft has been sunk. Two seams are estimated to contain upwards of 950,000 tons of anthracite coal

A RAILWAY through Ontario territory, from Lake Nipissing to the south-eastern extremity of Hudson's Bay, is talked of : and a company to build it has already been formed. This railway, it is said, will be much easier of construction than the one which is to be laid down between Winnipeg and Fort Churchill. More important still, we have the authority of the Geological Survey for it that the country to the south and east of the great Bay abounds with extensive and valuable deposits of coal. Suppose this to be proved true, and the coal were found easily come at able, as we may say, Ontario would have her own coal supply. Much of the coal now consumed in this province is carried over more miles of distance than the Hudson's Bay coal would have to be carried. Ontario business men, manufacturers especially, should surely interest themselves in a project which promises to aid with a giant hand the productive capacity of the province.

THE Canadian Pacific is bound to have an Atlantic sea-board connection at New York as well as at Boston and at Dominion ports. It is stated in Montreal that when the new bridge at direct line than now exists. The roads that will be used for has done it all.

tals the belief is gaining ground that the coming winter is to injugton and Rutland, and the old Lebanon Springs road, as the be spent in diplomatic delays for outside appearance, with war morthern section of the new line requires only ten miles of preparations going on all the time and scarcely concealed; and road to be built, and that section is now in course of construc tion, and will extend the Lebanon Springs road to the Statline between Massachusetts and New York, where connection may be made with the Housatonic railroad. The idea is to use this road as far as Norwalk and enter New York by the New York, New Haven and Hartford railway. This would be a straight line from Montreal through New England to New York.

> From Montreal we hear that the shipping trade between Autwerp, Belgium and Hamburg and that port has never been as extensive as during the season now coming to a close. The steamship lines which Messys. Munderloh and Co. represent as general agents there have made thirteen round trips, and two more steamers will arrive before navigation closes. Every vessel has come our completely loaded with general merchan disc, foreign gin forming a large part of the freight. For one firm in Ottawa, the steamship Kehrwieder, now unloading at Montreal, had one thousand barrels of gin. It is understood here that the gin is consumed in the logging camps during the winter. Every vessel of the two lines returned from here with full cargoes of Canadian produce, consisting of wheat, flour in bags, corn, barley, rye and peas, and asbestos and phosphate. both of which latter are in good demand abroad. The trade with Belgium and Germany has wonderfully developed, as will be proved at the end of the season when the comparative teturns are made out. The number of cities and towns in Ontario to which merchandise is consigned is very large, and an extensive amount is also received for Chicago and other places in the Western States. It is expected that there will be a weekly line established next summer to meet the increasing trade.

THE Lumberman's Gazette (Bay City, Michigan) says that just one year ago last week vessels were carrying grain from Chicago to Buffalo for 11 cents per bushel, and bringing back coal at forty cents per ton. Rates for transporting ore were on a basis of sixty cents a ton from Escanaba to Cleveland. Even at those rates vessels went begging. This year the begging has been on the side of the shippers, and so great has been the competition for vessels that rates have ruled higher than at any time since the memorable financial crash of 1873. In fact, grain by lake and canal from Chicago to New York has been shipped at the same rate it would have cost to have have sent it through in cars, thus elevating the lake interests to an even level with the trunk lines. Five cents a bushel has been paid on corn from Chicago to Buffale, and vessels are now bringing back coal at seventy-five cents, while \$1.60 is refused for carrying ore from Escanaba to Cleveland. Last year a steamer carried a cargo of corn to Buffalo, and the freight aggregated \$1,200. She left with a similar cargo last week, and at the end of her voyage will receive \$4,000 Her expenses for the two trips were precisely the same. And Lachine is finished, the C.P.R. will be able to less a the time contemporary adds that the improvement in the iron trades. greatly between that city and New York by having a more | with the consequent increased demand for Lake Superior ores.

F. E. DIXON & Co.

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Patent Lap-Joint, Star Rivet



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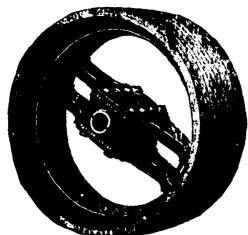
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Gentlemen: You ask why we use the Dodge Patent Pulley. I answer lecane
we consider them the cheapest, most convenient and satisfactory in all particular
Yours truly.

S. R. Stimson, General Manager.

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Dear Sir: Replying to your favor, will say that after using the Dedge Wed

Split Pulley for a year or more we are satisfied they are a good thing, if not the low

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We have sold these pulleys for one year, and they have been put to every kind of service and their japoularity is wonderful. We refer to the following users for just of the above statements: Philodary & Hulbert Elevator Co., Minneapolis; R. M. Frait & Co., Elevators; Northern Barons Havator Co.; The Pacific Elevator Co. Minneapolis School Forniture Co.; M. & St. L. R. R. Co.; Williard & Northway; Washborn, Cradby & Co.; St. Paul Electric Light Co.; St. Paul Roller Mid Co.; Vinneapolis Brick Co.; N. W. Mig. & Car Co., Stillwater, Elinn, and very many others.

Minn, and very many others.

This World's Industrial and Cotton }

W. H. Ispur, Prest.

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Dar Sie: There an anter of your Patent Wood Split Pulleys in use here at the World's Fair and Cotton Contental Expessition, driving Dynamos for Electratighting. They are doing heavy were, and are held upon the shalt by the compression of wood on iron. They had run've, and do not slip. I have watched with a great deal of interest the many Pulmys of your make running at this Expessition, and I links them the best Pulmy. I have ever seen. I believe them to possess the following points of merit over any other Pulley: All Pulleys being split or in helices; best bell surfrece; best shalt tastening; best method of uniting. Pulleys to shalts deferent sizes; best balance; lightest on the shaft; strong, and I believe durable. I heartily recommend them.

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Waste of Power.

According to the best scientific authority it costs one horse power to keep in motion one tom of metal or weight; thus for every unnecessary 2,00) pounds weight; thus for every unnecessary 2,00) pounds weight of \$120 per year. Any manufacture who will take the pains to investigate the transcensor weight by Heavy Iron Pulleys, receifed belts, etc., will be surprised to feel the converses monte of some consumed in this manuer. **One Podge Patent Wood by the Podge Patent Wood by the Views new to user. Our capacity being now equal to 100 Pulleys per day, we shall be eather keep in sweek for minediate shipment all sizes.

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TAKE NOTICE:--Our List of Prices for the DODGE PATENT WOOD SPLIT PULLEYS is for ALL SPLIT-PULLEYS.

We beg you will note this fact when comparing our List with others which are for Solid Rim, and not for Pulleys in HALVES.

Business Notes.

THE bailiff has possession of the nursery of R. P. West & Co., of

W. H. Scott & Co, jewellers, at Cobourg, are asking an extension from creditors.

THE effects of Ross Bros. & Miller, refiners, London, have been sold by sheriff at 50c. on the dollar.

THE Essex Centre Manufacturing Co. have sold out their extensive saw mill to T. H. Decew.

CREDITORS have closed out the dry goods stock of A. C. Larose, of Ottawa. The stock sold at $68\frac{1}{2}$ c. on the dollar.

H. T. WATERMAN, of the grocery firm Waterman & Co., Ottawa, is reported to have left that city, leaving rather heavy liabilities.

8. C. Hersey, an old established general store keeper at Exeter, has assigned in trust.

H. S. RUPERT has absconded from Drumbo, and his grocery stock is in the hands of the sheriff. He owes about \$4,000.

A COMPROMISE of 60c. on the dollar has been agreed to by the creditors of G. Barbeau, of St. Genevieve, Quebec.

BULL & Co., of Thorold, who have had a rather checquered business career, have again assigned in trust to E. R. C. Clarkson.

THE bailiff has seized the tailoring stock of Taylor & Co., of this city. The firm have not been paying their rent, hence the seizure.

JOSEPH HOLDEN, of Harbor Main, and Matthew Fleming, of St. John, Newfoundland, both store keepers, have been declared in-

THE McClary Manufacturing Co. have forced the tinsmithing firm of Cummer & Anderson, Wallaceburg, to assign. They owe about \$2,100 and expect to get a compromise.

A. R. Kerr & Co., an extensive dry goods firm in Hamilton, are sking an extension spreading over 12 months. The firm show a surplus of \$17,000, their liabilities being placed at \$35,000

O'Donerry & Co., commission woollens, Ottawa, are endeavor ing to get an extension, showing liabilities about \$3,000 and nominal assets of about \$5,000. The extension is to spread over twelve

C. B. Griffin, dry goods dealer, Dunnville, had a meeting of creditors on the 13th inst., when it was decided to advertise the state for sale. He carried on business at Acton for several years and moved to Dunnville in January, 1886.

A DEMAND of assignment has been made upon McCrosy & Closan, brewers, of Montreal. The firm started business in October, 1885, and 1986. and they are believed to be solvent, but the assignment is made in order to hasten a dissolution—the partners not agreeing.

THOMAS BORBRIDGE, dealer in dry goods at Ottawa, has compro-mised at 35c. on the dollar at three and six months, secured by S. & H. Borbridge. The liabilities amount to \$6,000 and assets \$4,000. The business was established over fifteen years ago.

A STRIKE took place in the shoe factory of Sharpe & McKinnon, of Montreal, which has seriously affected their business. The principal creditors agreed to grant them an extension of three, six and nine months, and the firm claim they have a surplus of \$35,000.

For several years past Alexander Weir, shoe dealer of this city, appears to have been going behind. He gave a chattel mortgage in July last to Charlesworth & Co., for \$2,500, and has now assigned owing almost \$4,000. The assets nominally amount to the same amount

GEORGE WRIGLEY, the publisher of the St. Thomas Courier, is asking an extension of fifteen months from November, 1886, which creditors are likely to grant. The unsecured creditors are less than \$600. Partnership troubles are said to have brought about the present difficulties.

THE Ontario Bank have foreclosed a mortgage of \$100,000 which they have held on the limits and plant of W. J. Trounce, lumber dealer, Port Perry. The liabilities outside the bank will not exceed a few thousand dollars and the assets are expected to realize sufficient to satisfy the received claims.

George Helson, who has been carrying on a tannery at Ashburnham since 1882, has assigned to the Sheriff, and his affairs are being investigated. His failure brought about that of J. W. Millar. of Peterboro, who has been depending upon Helson for supplies. Millar's stock is chattel mortgaged.

W. J. Ovens, who has been managing the grocery and liquor business of Ovens & Co., Winnipeg, is reported to have absconded. His father-in-law (D. G. McBain) has seized the stock, under a chattel mortgage of \$3.500. The wholesale dealers are under the impression that there is fraud somewhere.

AT a meeting of creditors held at the office of McLachlin Bros. of Montreal, Robert Ritchie, of Pakenham, showed his nabilities to be \$2,500, with assets of \$3,600. An extension will likely be granted him, but creditors are having stock taken, so that the figures may be verified. Ritchie has been in business about ten months.

In New Brunswick the following assignments are announced: IN New Brunswick the following assignments are announced:—M. Nodeau, general dealer, St. Francis; J. P. Michaud, general dealer, St. Hilaire; I. T. & P. McKeon, tailors, St. Stephen; G. H. Gray, grocer, Portland. Amos Malevern, of Derby, has been closed out by sheriff, and H. F. Proctor, lumber dealer at Waterford, is offering 50c. on the dollar.

THE failure of Charles Stern of this city, has surprised creditors, representing about \$70,000, a large portion of the indebtedness being in Canada. Hugo Block, a b other-in-law, is creditor for \$16,000, and several others interested, variously from \$4,000 to \$6,000. No statement of assets has been made, but a large quantity of goods are held in several warehouses in the city, on which advances have been made. The deficiency will likely be large.

A RECENT patented invention that promises a radical change in the method of coal mining, consists in a machine intended for cut-inting coal near the floor, and the inventor claims that it will do away? with slack almost entirely.

A WEAK galvanic current which will often cure a toothache may be generated by placing a silver coin on one side of the gum and a piece of zinc on the other. Rinsing the mouth with acidulated water will increase the effect.

The shipments of buffalo bones from the Northwest are growing larger. From twenty to twenty-five Canadian Pacific cars loaded with this class of freight arrive at Fort Benton, Ma., every week, consigned to fertilizing works in the East.

> How strange this world is spinning round, Its course we cannot alter, The man without a fault is found To be a big defaulter.

A BIG BOOM IN BUSINESS.

IN THE UNITED STATES TRADE DEPRESSION GIVING WAY TO PROSPERITY.

The bustle and activity in the drygoods district is apparent? to all who visit that part of the city. That trade is generally the first to feel the good times. Big jobbing and commission houses are lighted up at night and the sidewalks are lumbered shipment. The streets in the drygoods district are lined at and a railway dining room. Fifty trains a day now pass wharves and gailway shipping offices.

prises are being promoted in Wall-street. The banking unsti- some local men in the shops, and the proportion of merchants tutions are encouraged, and holders of railroad counties are and mechanics whom they will bring with them. Meantane delighted by the increased carnings of the lines, from freight, lots are booming and Smith's Falls looks prosperous. which clearly shows that gods are being transported everywhere in large quantities.

tion ever known. Creaking and complaints are mainly con- making the distance from Smith's Pulls in two hours and forty fined to the "swamp," and the leather trade has felt the minutes, which will be two hours and a half less than by the effect of the business growth only in the extent of its sales. Trade's lament that they are doing busin so at a loss

In Philadelphia the revival of business seems to be genuine and solid. Merchants of all classes, commission men, jobbers and retailers are beginning to look forward to an uncommonly heavy trade. The great drygoods houses, the wholesale grocers, and the dealers in staple merchandise are working night and day. The great manufacturing districts of Kensington, Richmond and Southwark cannot turn out goods fast enough to fill Reported expressly for this paper by Lou's Bagger & Co. their orders. The general opinion of business men is that this D. C.: is not merely a boom but a healthy revival after a season of unnatural depression. In the iron trade, business has increased 50 per cent, since this time last year, and the demand for coal is enormous. Capitalists and manufacturers are still very cautious about making large contracts, on account of the uncertainty still existing as to the stability of engagements with operatives and the existence of strikes in some quarters; but on the whole the relations between employers and employes are harmonious.

The marked improvement in business in Boston and throughout New England is very encouraging. There has been a great deal of activity in the wood trade. The drygoods trade is better than it was during summer. The agents for the manufacturing concerns are easily disposing of the fall production from their regular place in our series. of the mills. The season's basiness among the boot and shoe concerns has held on remarkably well. Some of the leading manufacturers are demanding higher prices on new contracts. The farmiture manufacturers report a steadier business in progress, and the shops are very busy. The lumber business is very steady.

In Atlanta, Ga., there is a marked revival of business.

In New Orleans there is always a revival of business just after the opening of the commercial year, Sept. 1, but this season it has been more marked than for several years.

in the spring, which was stopped by the strike on the South, where a passenger had been robbed, that "the car-company western roads. St. Louis is just about reviving from this, and bore the same relations to the public as common carriers and the outlook is cheerful. At Son Francisco business is very innkeepers, that is, should be fully responsible for any and dull and there is little appearance of revival. Very heavy fall losses sustained by passengers while in their cars." failures have occurred within the jest few months.

SMITH'S FALLS ON THE BOOM.

THE RESULT OF THE NEW C.P.R. AIR LINE TO MONTREAL.

The citizens of our neighboring town, says the Perth E_{efort} THE New York World of a recent date published a tor, seem at last to have wakened up, and say that they don't lengthy article on the prospects of trade. It says "The long intend to stop until Smith's Falls is at least the county town of period of depression in business seems now to be giving way to the new county, to be formed out of parts of Leeds, Grenville, one of prosperity. Merchants and general tradesmen agree Lanark and Carleton, even it they do not manage to become a that the prospects of the tall trade are very bright. There is city. A large amount of building has taken place during the no boom, but a steady, healthy growth. Every one sees indispast summer, and still there are no houses to rent, though the cations of better times — It is the universal opinion in commer trailway men have not yet arrived. They are extending the cial and financial circles—that not only is the present condition—boundaries in all directions—until the town covers 750 acres—in of business better than it has been for a number of years past, addition to streets and water lots. Plate glass is making as but that the future is of greater promise than for a long time. appearance on the main street, and business rents are away up The source of all this boone is the selection of Smith's Fails as , the division terminus on the new air line. The railway company has secured no less than thirty five reres of land, they are putting up a forty-stall engine house, 500 feet in length of with bales and boxes. For into the night men pack goods for repair shops, a stone station nearly as large as that at Perth, night with trucks piled high with merchandise and covered Smith's Falls, and as soon as the Air line and the Sault State with tarpaulins, ready to be started at daybreak for the steam | Marie lines are opened, the number will be increased to seventy That means the residence of two to three hundred train hands, Confidence has been restored among investors, and new enter- conductors, engine drivers, brakesmen and firemen, besides

The tracklaying on the Air line will soon be completed to be Smith's Falls to Merrickville. The rails are very heavy, seventy from has advanced in price in the face of the largest product two pounds to the yard. It is intended to run a fast trace.

present route via Ottawa Montreal Gazette.

AMERICAN PATENTS TO CANADIAN INVENTORS.

Tun following patents were granted to citizens of the Dominion of Canada, bearing date of October 5, 1886. Mechanical Experts and Solicitors of Patents, Washington

Marston, W. P., Toronto, Ont., pencil-sharpener	359,260
Mumford, J. A. Hantsport, N.S., steam-boiler	350,140
O Donnell, J. H., Winnipeg. Manitoba, harness-hook	350 316
Smith. I. L. Montreal, Que., baby-carriage	350,162
Dated October 19, 1886;	
Baines, Hugh, Toronto, Ont., velocipede	351,150
McKenzie, D. L., Winnipeg, Manitoba, lubricating	
compound	351,193
'McMillen, John, East Brantford, Ont., bay knife	351.196
'Scott, Eliza E., Hamilton, Ont., druggist's sieve	351.267

The following patents, dated August 24, 1886, were ometed

Beaudry Henri, Montreal, Que., suspenders Blackwell, K. W., Montreal, Que., material for use	
moulds for easting. ! Marshall, Robert, Hamilton, Ont., crimping machine	348,405
for boots and shoes.	348 135
Pope, Edwin, Quebec, Que, telephone switch ar circuit	

Business men who travel in sleeping cars are pleased with At St. Louis there was a genuine old-fashioned trade boom the decision in the supreme court at Taunton, Mass., in a case liney returned a verdict for the amount lost, with interest

ONE WAY TO CURE DEPRESSION.

(Chwago Industrial World.)

s current in a recent number of the London Colliery Guardian, signing himself "A Forge and Mill Manager," discusses the question of the depression of English from manufactures, and explains why Belgian manufactures are able to undersell the English. The explanation, as it is submitted, is simple, but the remedy proposed is unique. The explanation is that the Belgian fabricators are not trainmeled by laws prohibiting the employment of juvenile laborers, as the English are, and therefore the former have that much advantage over the latter. It seems that within the last twenty years the repealed. In order that there may be no misapprehension in motive engine, as they have done with the marine engine. the construction put upon his language, we quote his exact words. He says:

"I have been astonished over and over again that some emplayers of labor have not had the courage to bring this matter in a ractory until he is fourteen years of age unless he has passed the fourth standard is quite absurd. He has then accred at an age when it is impossible for men to train him to the work in our iron works and factories. At the age mentioned they have to commence, as a rule, to do the work that I, the writer, in common with many others, had to commence at the age of from seven to eight years, an age which I am contident within myself, and all who know me, I have no doubt, will bear me out, that I am none the worse for now, I would suggest as a remedy for the evils arising from our costly juvenilelabor that the Education and Factory Acts be so altered as to allow youths to commence at any age after they have that they may be allowed to work without interruption until they are fourteen years of age, and the privilege given them during that time to pass before proficient schoolmasters other two standards, by either attending a night school or by doing home lesson work. But if at the age of fourteen they have not passed the standards required of them, that they shall forfeit another two years' work, so as to enable them to pass the fifth standard at school as would be required by law,

In conclusion this writer sums up the advantages of the proposed repeal by saying, "It would enable us to solve the problem of competing with our foreign vivals," How do Am erican admirers of English methods like this proposed remedy for trade depression.

THIS FIRES THE BEST.

among other excellent "points" made were the following

Thus thes accomplish this. As already stated, a given with stacke belts grount of coal generates a given amount of gas, and this gas requires a given amount of air or oxygen. This air must be supplied through the grate bars and then pass through the inper foot of gas cannot pass through it , if "chestnut" coal be 'tricusly at work all the time.

From and Machinery, used, the thickness may be increased smewhat; "stove size allows a thickness of six mehes, and "lump" much thicker, if any axis man could be found who would use that coarse, unany wise man could be found who would use that coarse, uneconomical size. Of course, I am speaking of Anthracite coal. Opinions differ about "soft coal," but the same general principle applies as regards an unobstructed passage of air through the hot bed of coal

It seems to me much yet remains to be done with the locomotive. We must burn a great deal less coal for the steam we make, and after we have made s cam we must use that steam up more thoroughly. In the short cylinder required by locomotive service, the steam enturing at the imital pressure pushes the piston to the opposite end, and it then rushes out of the exhaust strong enough to drive another piston. Of every four dollars' worth of coal consumed, at least two dollars worth is absolutely thrown away, or, of every ten thousand dollars spent for tuel five thousand dollars are absolutely English Parliament has passed what are known as the Education and Factory Acts, providing that children below a certain that if steam rushes from the exhaust of an engine strong age shall not be employed in factories or mines. It is claimed enough to drive another engine, the common sense of the thing that these prohibitory acts had the effect to raise the price of I would be to put another engine glong side and let the steam invenile labor from one hundred to one hundred and fifty per ldrive it, and we should get just so much more out of our cent. "A Forge and Mill Manager" thinks this is an outrage; four dollars worth of coal. It seems evident that we must on the English iron manufacturer, and that the acts should be follow the lead of the steamstep men and compound the loco-

NEW ALUMINUM WORKS.

A LARGE establishment for the manufacture of aluminum is octore the public. The idea of not allowing a youth to work in process of erection at Lockport, N.Y. The Buffalo Iron Review says of the new enterprise: "Hitherto the process of obtaining almonour has been very expensive, though a combination of chemical heat. At the Cowles work the corundum will first be subjected to intense heat, then broken and ground to powder, after which it will be fused in hermetically sealed emcibles by the powerful electrical current generated by the employment of the largest dynamos that have ever been constructed. The product is the pure aluminum. of which the yield from the corundum is about fifty per No doubt is entertained of the success of the elecprocess, which although so recent a discovery as not to be described in scientific works, has been thoroughly passed the third standard and then, whatever their age may be, I tested. Large quantities of the alloy will also be manufactured (at the works, requiring, it is estimated, from ten to twenty tons of copper a day when the works get to running to their full capacity. As a very serviceable alloy may be made with only two per cent, of aluminum, it is evident that a very large amount of copper will be required."

> THE mount of force exceed by heat and cold in expansion and contraction of metal is equal to that which would be required to stretch or compress it to the same extent by mechanical means,

> A PAIR of pumping engines built for a new dock at Newcastle-on-Type are calculated to discharge 44,000 gallons of water per minute. The pumps are each driven by a vertical engine 20x18 inches, fitted with Meyer expansion valves.

AN English inventor claims that the grip of a pulley on belting Mr. John A. Coleman, of Providence, R.I., in an address may be increased by covering the pulley with a thin perforated before the American Railway Master Mechanics Association, metallic cover, fastened by serews, rivets or solder. Among other spake about combustion pre-hoxes and steam beiters, and advantages it is said that the strength of the pulley is materially increased, the hold of the belt improved and it is possible to run

"Sprikers of inventions of a genuine mechanical character," says an evel-ange, "the ordinary gas meter is perhaps the most remarkable and most profitable device ever constructed. So very outsides of the mass of heated coal. It requires about ten markable and most profitable device ever constructed. So very cube feet of air to consume one cubic foot of gas. In sensitive is it that the least reduction in the price of gas sets it into much increased activity, and the lower the price, the greater the sentionary boilers we find that if we use "pea" and "dust" activity of the nuter, and it has been known, when the family was activity of the meter, and it has been known, when the family was coal on extremely thin layer must be used or the ten feet of air way on a summer vacation, to remain at home and keep indus

Cextiles.

AMERICAN CUSTOMS DECISIONS.

Those engaged in any of the textile manufactures or in the dry goods trade may be interested in the following decisions affecting the classification of textile fabrics, which were given by the United States Treasury authorities during the months of June, July, and August, 1886. (We take the statement from an English journal-Wool and Tectile Fabrics.) might do Canadians good to note how very strict our neighbors are in construing the litera scripta of their protective tariff:

Cotton cloth which upon examination is found to be neither wholly bleached nor wholly unbleached, the west consisting of yarn which has been bleached before the cloth is woven, and the other portion unbleached is dutiable at two different rates of duty, and pays the highest of these two rates, viz., 4 cents per square yard, the rate prescribed for bleached cotton cloth of this character:

Narrow strips of a very low quality of muslin, eight inches wide and under, which has been crimped and felled so as to remove them from the commercial condition of cotton cloth, section 324, 35 per cent. ad valorem.

Silk striped cotton "Italians" consisting of bleached cotton cloth with colored silk stripes occurring at intervals, the silk being an important and leading feature of the fabric, are to be included under section 324, and pay the duty on all manufactures of cotton not separately enumerated or provided for, viz., 35 per cent. ad valorem.

Japanese screens, although manufactured of articles of which silk is the component material of chief value, section 378, 40 per cent. ad valorem,

Laces composed of metal and other materials of which metal is a component of chief value, and which are commercially known as "metal laces," section 427, 25 per cent. ad valorem.

Linen pockets, so called, composed of linen and metal threads weven together, section 216, 45 per cent, ad valorem.

Chinese shoes, composed of cotton, leather, pith, &c., having soles about one inch in thickness, which are composed largely of hair, are dutiable, under section 366, 40 cents, per lb., and in addition 35 per cent, ad valorem.

Croise, so called, which is a light-weight material composed of worsted and cotton, and known commercially as worsted coatings, is not to come under the category of "women and children's dress goods

The cost of making up textile fabrics, which consists m folding and pressing the goods into compact form, stitching and tying the ends, and stamping the quality, number, and trademark, does not form an element of the dutiable value of such goods.

East India hemp, commercially known as Bombay hemp, is dutiable, under section 331, 25 dollars per ton.

Driving gloves, composed of cotton and leather, leather being the component of chief value, are dutiable at the rate of 30 per cent. ad valorem, under the provision of section 463.

Blue serve cloth, imported in the piece and intended for manufacture into habits for use of a sisterhood conducting a school or academy, is not entitled to free duty.

Umbrellas covered with a material of which silk is a component of chief value, the silk portion being thrown on the outside of the cotton for the purpose of giving the umbrella the appearance of being covered entirely with silk, are dutiable at the rate of 50 per cent ad valorem under section 491.

States in vessels which have passed local quarantine at the port take place during the present year. English wools, such as of importation will be admitted to entry in the same manner Kents, deep weathers, and all skin wools, are in great demand, as other imported commodities, i.e., without requiring special land are said to have been well cleared out of holders' hands.

permits from the health officers as to their landing. The fact that the vessel has passed quarantine will be considered a sufficient evidence that the entire cargo is free from infection

Cotton muslin caps, slightly trimmed with cotton lace, the embroidery extending throughout the whole article, are dutiable at the rate of 40 per cent, ad valorem under section 325.

Cotton belting, composed of cotton with two threads of metal woven into each edge, is dutiable as a manufacture of cotton.

The United States Secretary of State has been requested to instruct United States consular officers to require shippers of merchandise intended for the United States to state on their invoices whether the charges specified therein are or are not included in the price of the goods.

KNIT-GOODS IN CANADA.

(Special correspondence of The Philadelphia Textile Recorder)

There is much similarity at the present time between the state of affairs among the mills here and among the mills on the other side of the line. Nearly every one is busy, and orders are being turned away for the reason that buyers cannot wait until they can be filled. There has been too much of "hand-to-mouth" buying on the part of jobbers, as they have been placing their orders only so as to meet their actual requirements. The result is as stated, and a little increase over their estimated sales leaves them with a short supply and no very great time to allow the mills to repeat their orders.

Odd and job lots are being eagerly inquired for, but, of course, such goods must be sold a slight shade under regular market prices, which, at the present moment, are in all conscience low enough. The recent advances in prices of wools are causing talk by the manufacturers of raising prices, but no action has as yet been taken. There is no doubt, however, that when winter samples for the season of '87 are placed on the market, there will be an advance in the prices of knitted

There are whispers travelling around among the manufac turers' agents of forming a combination of the mills to restrict production and advance and maintain prices. There are as yet no labor troubles to bind the mills closer together, but if such difficulties should turn up, they may have the effect of the mills acting in concert on labor matters, which may lead them to unite in the matter of holding prices firm at a paying figure. It does seem as if nothing but some such great emergency will ever induce them to combine. One strong point taken by some of the agents is the refusal to send out sets of samples unaccounpanied by an agent, so that the buyers can have a chance to compare with other goods. In sending out samples in this way, it is scarcely fair to the goods themselves, as often they have to be decided upon by buyers who are not often as well posted they as might be. The good points of the goods are some times passed over, and seeming defects or differences which could be explained or perhaps, corrected in future (if only the agent were on hand to explain or show up the prominent points), would cause the loss of an order. If only this point of not sending out samples alone were carried, it would be a great

BRADFORD'S WOOLLEN AND WORSTED INDUSTRY.

(From Bradstreet's.)

Bradford, September 10. - Not for many years past has such an animated feeling prevailed in this market as at the present time. Values are constantly rising, and in the present temper It has been decided that all old rags imported into the United of the commercial mind it is not likely that any receding will

Permanen anutactures.

Toronto.

NICHOLLS & HOWLAND, PROPRIETORS.



The undersigned are now prepared to receive applications for space in the Permanent Exhibition of Manu

A special building is being creeted for us and is expected to be ready for occupation by January next. The structure, which is to be a very handsome one, will have a frontage of 92ft, by a depth of 105ft, and will contain

the following accommodation:

A lofty, well-lit basement, having large doors opening on a lane at back, at such a level as to facilitate the handling of heavy weights; the ground or main floor a few steps above the level of Front street, with a height of ceiling under the galleries of 14ft., while the central portion, up to base of dome skylight, will be 29ft high. On this floor, in the north-east corner, immediately adjoining the entrance vestibule, will be the general and private offices of the management, and adjoining them a number of small private offices or consulting rooms for the use of exhibitors, besides comfortable lavatory and sanitary appliances. A gallery floor 23ft, wide will extend around the four sides of the building, and will be used for exhibiting the lighter classes of manufactures. A special feature of the building will be the good lighting, for in addition to the rows of large windows in front and rear, there will be a large dome skylight in the centre. Access to the various floors will be by ample stair cases, and by a large elevator. The building will be heated by steam.

It will be located on Front street (nearly opposite the Queen's Hotel), convenient for both boats and railways,

for shipping and for visitors.

Some of the advantages likely to accrue to manufacturers exhibiting may be briefly summed up as follows.

1. The Exhibition will be free to all and open throughout the year

2. It will afford all the advantages of a Toronto branch establishment at a very moderate cost.

3. Exhibits will be seen by large numbers of business men who would not be apt to visit a private branch

office unless on special business.

4. The Exhibition will be extensively advertised and made very attractive, and as almost every variety of machinery and manufactured goods will be on view under the same roof, it will certainly become an important mercantile exchange.

5. Competent salesmen will be in charge for the purpose of explaining the merits of each exhibit to inter

6. Exhibitors can have printed on their office stationery "When in Toronto call and see sample of our goods at Permanent Exhibitors of Manufactures." This may afford prospective purchasers an opportunity of personally inspecting goods, who would not be apt to visit outside towns for that purpose.

Exhibitors can appoint as selling agents, or can have their own representatives in charge. In the former case, every endeavor will be made to establish profitable trade.

8. Machinery can be shown in motion, as shafting and power will be provided.

9. Office accommodation will be provided for the convenience of exhibitors and their agents.

Further information will be promptly furnished.

NICHOLLS & HOWLAND,

Office of Canadian Manufacturers' Association

6 WELLINGTON STREET WEST.

TORONTO

PUMP **WORKS**, KNOWLES STEAM

STEAM PUMPING MACHINERY IN EVERY VARIETY

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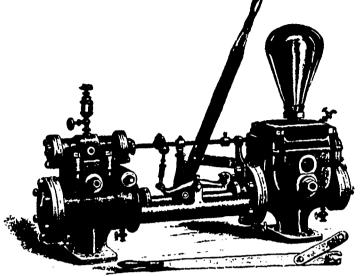
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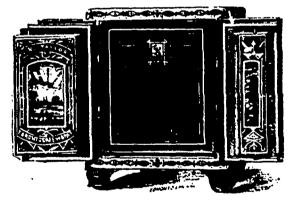
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ESTABLISHED 1855.

Manufacturers of all kinds of Fire and Burglar Proof

PRISON LOCKS AND JAIL WORK A SPECIALTY.

We callthe attention of Jewellers to our new style of Fire and Burglar Proof Safes, specially adapted for their use.



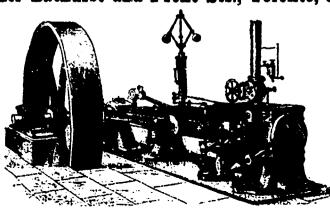
TY ENGINE COMPANY, JOHN

Corner Bathurst and Front Sts., Toronto, Ont.

Improved

Corliss

Engines.



STEEL BOILERS

OF BEST

CONSTRUCTION.

Write for Circulars.

As contrasted with the period of our advice in June last, these as also being successfully introduced. The seal and plush trade with the advance in Australian merino wools, which may be revival in commercial affairs. quoted from 30 to 40 per cent, higher than at the opening of the London sales in June last. The history of this upward tendency is remarkable and may be beiefly described.

In May last a number of French makers of cashmere and all wool dress goods, taking advantage of the then existing low values of merino wools, hought largely in his market, to the holding of merino and fine wools. The affect of these trans-London equal to 1d. per pound for scoured wools quantities of the wools offered are being taken on French during the present year.

Contemporary with the demand, whether real or speculative. from France, it is evident that the worsted industry of which Bradford is the centre has been stimulated to great activity, both spinners and manufacturers being well employed upon orders placed upon both home and foreign account. So far they are working an uphill trade, having to contend against that they are called upon to pay upon the raw material. Orders for yarn on export account are freely to hand, and are being placed at enhanced rates. For the United States the consular returns for August show the large increase of £19,127 in worsted yarn alone upon the value declared for August last year. In worsted stuffs there has been an increase of £29,949, and in wool of £36,073, as comabout stationary. A considerable increase is also shown to have taken place in silk, seals and plushes, and also in machinery, The total value of trade done between the Bradford consular district and the United States in August last was £360,438, a net increase of £111,523 of or August, 1885.

The real meaning of the active demand for fine woods is the onward development in the manufacture of goods made from that material. On the part of foreign makers, the French facturers are correct, they have orders in light all-silk gloves-one competitors, are equally determined to secure a portion of the are in large request, prices being satisfactory. in which they have no rival. The result is seen in the large output of Cashmeres, Italian cloths, worsted coatings, and other goods made exclusively of fine wools. In a former comnumeration mention was made of a further development, by the introduction of cheviots and other goods suitable for men's wear from Bradford looms, which had hitherto been of Scotch manufacture. At that period this department was in embryo: known as cheviots, Saxonys, Scotch worsteds, homespun, etc., and are in intinite variety of styles, made of colored yarns toon Botany, Cape and Buenos Ayres wools. A lighter description of clothe, suitable for lawn tennis and cricket apparel, weather.

whols have gone up 1d, @ 2d, per pound. Good Irish wools is also making considerable headway, and although not have also shared in the improvement, and are being bought up dependent on the wool market, being principally of silk, it wherever stocked. Even the once neglected lustrous sorts, employs a large number of hands. By these means is the such as alpacas and mohairs, are on the move, dealings in the present activity explainable, and, considering all the circum latter on yesterday's change being reported at 15d (a 15dd per stances, it may be regarded as a healthy and permanent activity. pound. These increases, however, are but limited as compared affording every reason to hope for the return of a general

DECIDING ON A GREAT LOCKOUT.

AMSTERDAM KNIT GOODS MANUFACTURERS TO BE SUSTAINED.

Conors, N.Y., Ocr. 13 (Special). Many thousands of surprise of the home dealers, who were quiescent. Their operate people have auxiously looked forward to to day, the time set for tions were followed up by the speculative dealings of a French the Executive Committee of the National Association of Knit syndicate, backed by large resources, which secured a large Goods Manufacturers to meet and canvass the secret vote of the various local associations in the State on the question of shutactions was naturally to stimulate prices, and hence the increase ting down the mills in sympathy with the Amsterdam manuduring the June-July London wool saies. A further advance facturers. At three o'clock the committee got to work and has been established at the series commenced this week in canvassed the votes of the mill owners of Amsterdam, Schen-Large ectady, Cohoes, Little Falls, Stillwater, Waterford, Philmont, Hudson and Valatie. None but the committee was admitted, account, but Bradford dealers buy wherever possible, having, and as the votes had been secret the various null owners were in fact, a purchasing capacity to the extent of every bale of as anxious as to the result as were the operatives. In the wool now being offered in London. In view of the foreign association fifty uine mills are represented, employing 25,000 competition, it is obvious that such requirements cannot be operatives. After two hours the result was announced, supplied, and hence the improbability of any fall in values although the vote was refused to the press. It had been decided to sustain the Amsterdam manufacturers in their lockout and to shot down all mills in the National Association on October 16 as against the order of the Knights of Labor and its members. While the vote of the manufacturers was secret, still it is learned that among those who opposed shutting down were four Cohoes mill owners; one of them, Andrew Root, of the Tivoli Mills, the largest in the city and employthe reluctance of merchants to give an advance equivalent to ing 500 operatives, said that he would forfeit the \$5,000 bond that they are called mon to have more than they are called more than they are called more than the called more than the called the same are the first operation. get out of it. Robert McHaffic, the secretary of the concern, says that the mills of the Root Manufacturing Company would not shut down, no matter what action was taken by the National Association.

The whole trouble arose in Amsterdam, where a boy was promoted from being a roping boy to jackspinner. He was pared with August, 1885. The worsted coating trade was a Knight of Labor, but not a member of the Spinners' Union, and the union demanded that a regular spinner be employed The manufacturers refused to be dictated to, and the Amsterdam Manufacturers' Association decided upon a lockout and the National Association sustains them by locking out also in sympathy with them, and against the Knights of Labor who sustained the Spinners' Union.

appear to be straining every endeavor te maintain that supress of the few articles still in active request--which will last till March. macy which they had acquired after years of cultivation. On In face of the, however, it is hard to understand how prices should the other hand, Bradford manufacturers, having fairly thrown show no sign of an upward tendency. Commissions continue to be their energies into the soft-goods trade and become successful received in better goods, though not in heavy kinds. Hoisery goods all wood trade in conjunction with the making of mixed fabrics, this branch are very good, as m, he next spring transallantic langers in which they have no rived. The result is soon in the larger in all regularly resil thes norther - Kuhlow's German Trade Review. Berlin, Sept. 29th.

> Porroise leather is being used in the manufacture of shoes, the resemblance to French kid being very marked. It has a long, tenacious fibre, and as it will not crack or tear is very durable and waterproof, and makes an excellent leather.

In the Swiss village of Mourin some disused wells have been hernow it has become a considerable business both for home, con-to-entit and American consumers. The various styles are metically scaled to serve as barometers. On a fall of atmospheric

MILLING NOTES

(American Miller for October.)

Ir is an encouraging sign when the proprietor of a "grain and stock exchange," or in other words, a bucket shop, can be convicted as the keeper of a common gambling house, as was recently done in Montreal. We export a good many rascals

Our sprightly contemporary, Daily Business, predicts that; the time will come when grain carrying railroads will own Business will prove a true prophet.

PEOPLE have curious places where they bank their money. A man living near Morenci, Mich., used a bran bin as his demand. favorite depository, and some one else drew on his account to the extent of \$1,000. One of the rich stock men of early times: in Illinois, a man with nearly half a million of dollars, always! kept his cash in a meal bin, and frequently had as much as \$50, 000 in his house at one time. He was never robbed, however.

DULUTH'S wheat trade is making strides which are truly of twelve abandoned coal mines for a group of miners, who astonishing. Four new elevators are either contemplated or in course of erection : and Duluth has to-day, in store, six million bushels of wheat. Minneapolis has passed Chicago as a receiver of wheat, and she in turn will be compelled to divide honors with Duluth. Eastern millers will not object to have the Zmith City way great we in wheat post. Duluth is bound the Zenith City wax great as a wheat port. Duluth is bound to be a great factor in equalizing competition between Eastern and Western millers. Bulfalo and vicinity is to-day as eligible advertised for bids for furnishing Anthracite coal to several a location for milling as the country affords.

an address to the wheat growers of the United States in which this forty dealers put in bids all at the same figure. All these the relation of silver to the price of wheat is clearly set forth, dealers wanted \$6.25 for Nut coal, of which 100 tons were The fact is pointed out that Indian wheat has only been a comdesired, and \$6 a ton for 700 tons Range and Egg. There petitor of that grain in the United States, through the depresswas, however, one exception to these bids. The Lehigh and sion of silver here, and the boast of East Indian speculators is Franklin Coal Company offered to furnish the coal required referred to that the depression of silver must move the ruin of at \$5.72 per ton for small Egg, and \$5.97 for Range and Nut the United States as a wheat and cotton-growing country, and The contract was promptly awarded to this company. The result in the development of India as the great wheat and cot- Anthracite Coal Association held a meeting to find out why ton exporting country of the world. A statement of Mr. the Lebigh and Franklin offered to furnish the city with coulat Moreton Frewen is quoted that a fall of a penny in the price of \$5.72. The President of the company gave "a satisfactory silver means a fall of a shilling a quarter in the price of wheat in explanation," and there was an end to it. Mark Lane. The relation between silver and the price of wheat is certainly close, as evidenced by the history of the pastfew years.

ONE of the marked things about the North-western wheat trade during the past few weeks is the surprising promptness of wheat in coming forward. In former years, while deliveries were free, owing to the fact that so many farmers were compelled to realize on their grain, there has nevertheless been a disposition on many occasions to hold back for better prices, disposition on many occasions to hold back for better prices, is certainly quite sound on some subjects. This is the way he especially when the market value of wheat has been low, expresses himself in regard to the alleged struggle between labor This year forms an exception to the rule. Farmers in the Northwest seem to have grown tired of trusting to prognostications of the future. They have disregarded the arguments of the "bulls" and marketed their wheat for what it was worth. Last year taught them a lesson in wisdom. And it is not have given the subject of t

Mining.

COAL NOTES.

(Coal Trade Journal.)

WE have heard it rumored that under the new management of the Reading Companies, the mining of coal by the Coal and fron Company would not form so prominent a feature as a to Canada; it would be a good thing if we could import some being so, there would be quite a revolution in some Anthracte circles.

NATURAL gas companies met the cold snap at Pittsburgh their own elevators for the accomposation of cereal freight, the very successfully on the 1st inst. There was no repetition of same as other merchandise. It thinks that the charges for this the famine in gas that tortured Pittsburgh one year ago with service will be nominal, and it is only to be hoped that Daily, the advent of cold weather. The Philadelphia Company have twenty more gas wells now than they had then. of them are plugged to hold their product in reserve. Some of this surplus was turned on to keep up with the increased

> THE solution of a very serious problem is about being the colliers themselves. At Rive-de-Geir, in the department of the Loire, a deputy . M. Laure - has obtained the concession of twelve abandoned coal mines for a group of miners, who

Sixty days ago the Chicago Department of Public Works public institutions. Of the fifteen bids received all were at \$5.75 and \$6.25 a ton. Mayor Harrison did not like the looks THE National Bi-Metallic Coinage Association have issued of the bids, and ordered a new advertisement. In response to

> An ingenious process for giving silver surface to iron has recently been devised in Austria. The iron is first covered with mercury, and silver is deposited upon the surface electrolytically. The iron is then heated to about 300 °C., and the mercury evaporates, leaves the interest of the iron of the iron of the iron. ing the layer of silver upon the surface of the iron.

Whatever may be the extent of Bob Ingersoll's heterodoxy, he worth. Last year taught them a lesson in wisdom. And it is not difficult to prove that the farmer who markets his wheat in the fall gets more, as a rule, than the speculative farmer who waits until spring. The farmer who puts 800 bushels of wheat into his granary after harvest is often surprised to find that it does not figure up so much the next June when he takes it to the mill or elevator.

HIGH AND LOW PRICES OF FARM PRODUCTS.

Ir is a great mistake (says the Lynchburg, Virginia, Adrance) to suppose that because our farm products are very cheap at the present the farmers and planters are doing a joing business or hong harder than in former years. While everything they have to sell, especially corn, wheat, and tobacco, is very low, it is equally true that everything they have to buy is unusually cheap, so that when they come to strike the difference between profit and loss they will find the advantage and gain decidedly in their favor. For instance, take the following figures. In 1816 one bushel of corn would buy one pound of nails, in 1886. one bushel of corn will buy ten pounds of nails. In 1816 a r par of woollen blankets cost as much as a cow; in 1886 a cow will buy five pairs of woollen blankets. In 1816 it required sixty four bushels of barley to buy one yard of broadcloth, in 1886 sixty four bushels of barley will buy thirty yards of broadcloth. In 1816 it took twenty dozen of eggs to buy one bushel or salt; in 1886 twenty dozen eggs will buy ten bushels of salt. In 1816 it required one be shell of wheat to buy one yard of calico; in 1886 one bushel of wheat will buy twenty yards of

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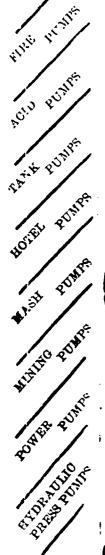
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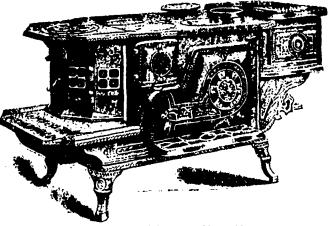
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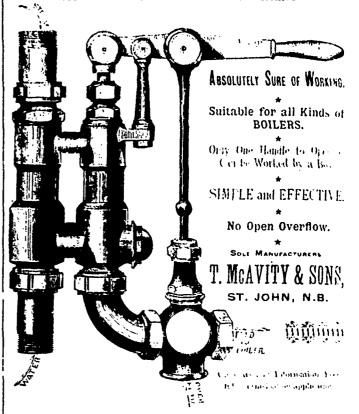
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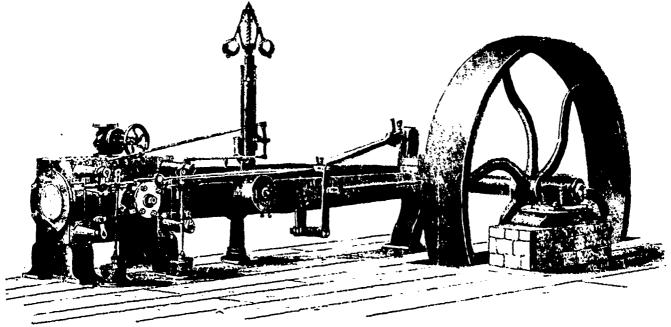
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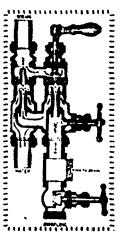
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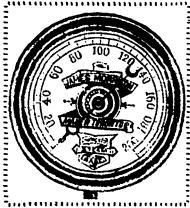
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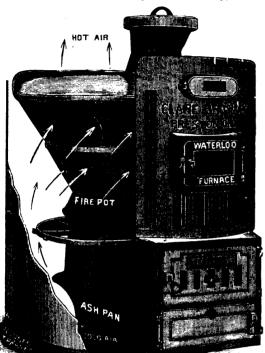
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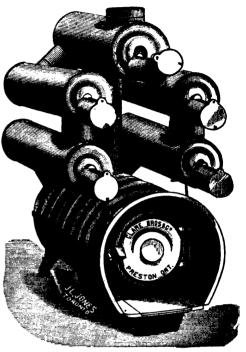
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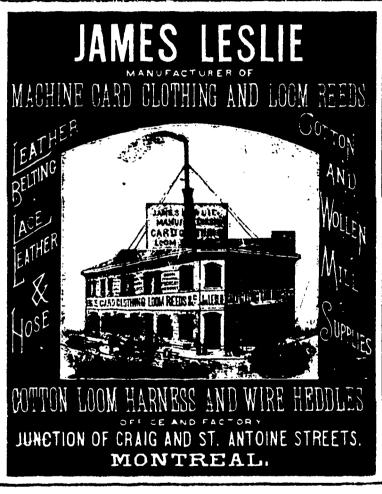
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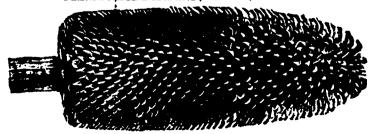
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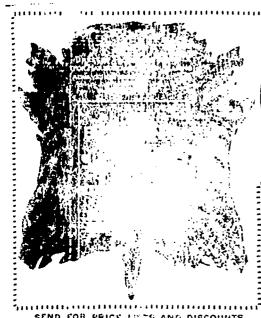
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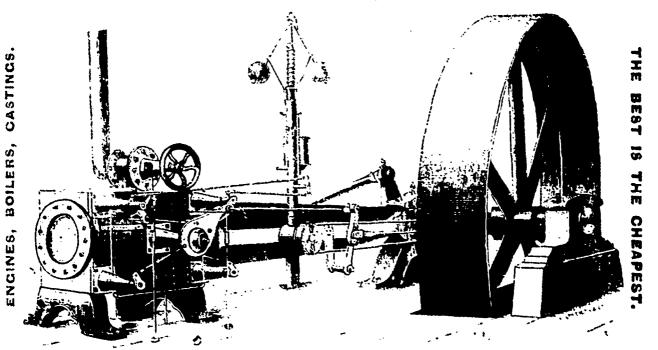
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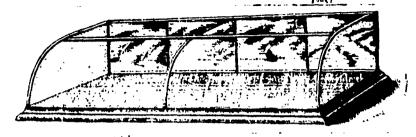
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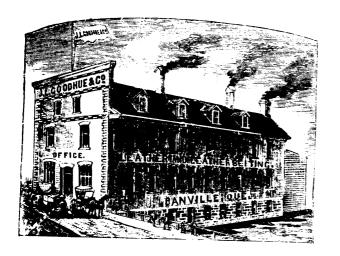
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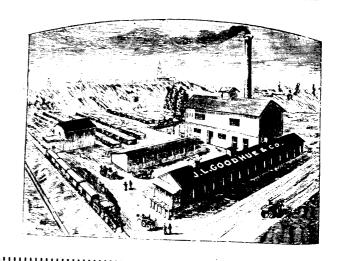
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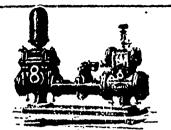
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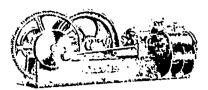
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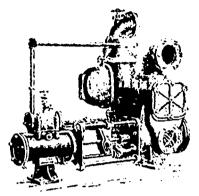
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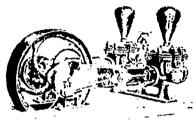
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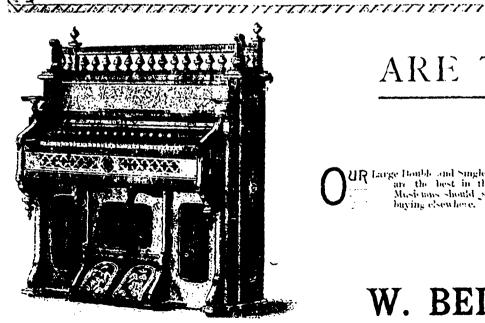
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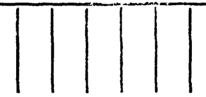
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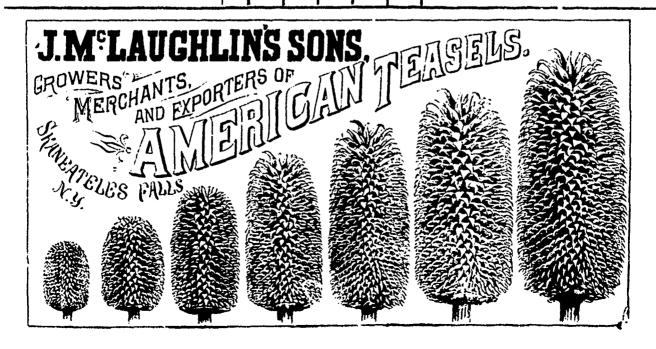
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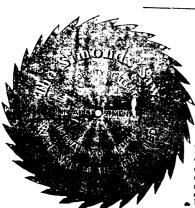
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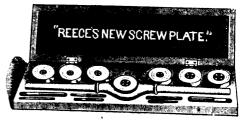
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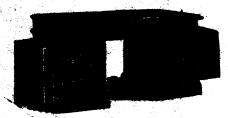


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