

Government a few days ago urging that the Bill should be thrown out, on the ground that it is not needed, and its enforcement would result in serious expense and inconvenience to dealers and purchasers. It is estimated that the expense to persons engaged in buying and selling machinery on the instalment plan of complying with the requirements of such a law, would be from \$150,000 to \$200,000 a year. The number of sales made annually is about 200,000. On this number the registration fee of ten cents would amount to \$20,000, cost of affidavits, about \$100,000; postage and loss of time, say \$50,000, or a total approaching very closely the figures named. As no one has petitioned for such a measure as Mr. Nairn proposes, his Bill will probably not find a place on the statute books.

MILLERS' AND MANUFACTURERS' INSURANCE COMPANY.

THE annual meeting of the Millers' and Manufacturers' Insurance Company was held at the Company's office, 24 Church Street, on the 21st February. The President, Mr. James Goldie, occupied the chair. The Secretary, Douglas Sutton, acting as Secretary.

On motion of the President, seconded by the Vice-President, W. H. Howland, the annual report of the Directors and the financial statements were read and adopted as follows:

To the Members and Shareholders of the Millers' and Manufacturers' Insurance Company:-

GENTLEMEN,

Your Directors beg to submit the third General Statement of the business of the Company, comprising Revenue Account and Profit and Loss Account for the past year, and the Balance Sheet, showing Liabilities and Assets on 31st December, 1887:

The total number of Policies in force at the close of the year was 392, covering at risk, after deducting Re-insurance, the sum of \$1,131,371.

The Accounts before you demonstrate that the original expectations regarding this Company have been fully realized, showing as they do, that after placing at the credit of Re-insurance reserve, a sum equal to Fifty per cent. (50%) Government standard basis of the Cash income on existing risks, we felt justified in making a Bonus appropriation to continuing Members, equal to ten per cent. (10%) of the Cash premium income, payable on the renewal of each policy.

As evidence of the value of the system of inspection adopted by this Company, we think it only fair to draw your attention to the fact that on the business of the past year of the Companies whose statements have been published, the losses alone average over Sixty-four per cent. (64%), whereas both the Expenses and Losses combined of this Company amounts to less than Fifty per cent. (50%).

We feel that we cannot too forcibly impress on you the importance of having, together with your other appliances for extinguishing fires, a complete supply of Pails and Barrels of salted water (always full) distributed throughout each building. The Statistics furnished by the New York Fire Commissioners prove that out of every one hundred fires that have taken place in that city during the past six years Sixty-four have been extinguished in their incipient stages, with Pails of Water. In confirmation of this we may refer you to our own published experience of their value in the early stages of a fire. It is on the insistence of your having such appliances Combined with Care, Order and Cleanliness, that we can expect to maintain in the future, as we have in the past, such a substantial reduction in the cost of Insurance as 32½ cents on each dollar of premiums paid or an average of Forty-eight per cent. (48%).

The retiring Directors this year are, H. McCulloch, S. Neelon, J. L. Spink, W. H. Howland, who are eligible for re-election.

All of which is respectfully submitted.

JAMES GOLDIE, *President.*

HUGH SCOTT, *Managing Director.* DOUGLAS SUTTON, *Secretary.*

REVENUE ACCOUNT FOR YEAR ENDING DECEMBER 31ST, 1887.

<i>Dr.</i>	
To balance cash premium income, 1886.....	\$ 8,041 54
premium income, 1887.....	355,718 50
commission income, 1887.....	1,106 83
interest.....	946 38
	<hr/> \$57,771 71
<i>Cr.</i>	
By statutory assessment, printing, stationery and advertising.....	\$ 611 62
rent, postages, telegrams and auditors' fees.....	490 84

By salaries.....	1,759 94
" travelling expenses.....	1,379 26
" directors' fees.....	885 40
	<hr/> \$ 5,127 06
" re-insurance.....	4,779 11
" cancelled policies.....	1,109 80
	<hr/> 5,888 91
" claims paid.....	10,467 55
" balance carried to Profit and Loss Acct.....	44,309 73
	<hr/> \$65,812 25

PROFIT AND LOSS ACCOUNT TO DEC. 31ST, 1887.

<i>Dr.</i>	
To balance Revenue Account, 1887.....	\$44,309 73
	<hr/> \$44,309 73
<i>Cr.</i>	
By renewal bonus fund, 1888.....	\$ 2,855 58
" dividend to stockholders.....	1,225 00
" preliminary Expense Account, balance written off.....	1,000 00
" re-insurance reserve, being 50 per cent. of cash premiums of existing risks.....	11,191 78
" balance.....	28,037 37
	<hr/> \$44,308 73

BALANCE SHEET FOR YEAR ENDING DEC. 31ST, 1887.

<i>Dr.</i>	
To capital stock subscribed.....	\$125,000 00
" profit and loss balance, 1887.....	28,037 37
	<hr/> \$153,037 37
" re-insurance reserve.....	11,191 78
" renewal bonus fund.....	2,855 58
" dividend to stockholders.....	1,225 00
	<hr/> 15,272 36
" sundry creditors.....	3,911 33
	<hr/> \$172,221 06
<i>Cr.</i>	
By debenture Man. & N.W. Loan Co. \$.....	10,000 00
" 114 shares Consumers' Gas Co.....	9,600 00
" cash on deposit in banks.....	10,206 46
" cash in office.....	459 27
" sundry debtors.....	1,929 06
" office furniture.....	113 60
	<hr/> \$ 32,308 39
" undertakings in force Dec. 31st, 1887.....	27,162 67
" capital stock not called up.....	112,750 00
	<hr/> 139,912 67
	<hr/> \$172,221 06

The retiring Directors, Messrs. S. Neelon, Hugh McCulloch, J. L. Spink, W. H. Howland, were unanimously re-elected, after which the meeting adjourned.

At a subsequent meeting of the Board, Mr. James Goldie was re-elected President, and Mr. W. H. Howland, Vice-President, for the current year. The Board of Directors is now constituted as follows: James Goldie, Guelph, President; W. H. Howland, Toronto, Vice-President; H. N. Baird, Toronto; Wm. Bell, Guelph; Hugh McCulloch, Galt; S. Neelon, St. Catharines, Geo. Patinson, Preston; W. H. Storey, Acton; J. L. Spink, Toronto; Hugh Scott, Toronto; A. Watts, Brantford; W. Wilson, Toronto.

DON'T.

DON'T allow any oily waste or rags to be thrown on the floor, but only in a metal can with a cover, and have them taken out of the building every night; they are self-igniting. Don't allow saw dust to be used to catch oil-drippings from machines. Sand is safer. Don't allow matches to be kept loose or in paper boxes, but only in metal or earthen "safes." Those lighting only on boxes are safest. Don't allow smoking on your premises. Don't fail to have your fire-buckets filled, and test hose and fire apparatus from time to time. Don't fail to have all hoist-ways provided with good trap doors or hatches, and have these shut at night. Don't allow stoves or heaters on your premises which are not securely set on stone, cemented brick, or metal; and be sure that all wood-work near the stoves or pipes is covered with metal. Don't allow any loose-jointed gas-brackets on your premises which could be swung against wood-work; or any gas-bracket without wires, screens or globes, if hay, straw, light material or window curtains are near them. Don't allow electric lights or wires on your premises which are not properly protected. Don't allow any steam pipes to be in contact with wood or other inflammable material. Don't allow any kerosene oil lamps to be filled after dark. Filling lamps near a fire is dangerous. Don't forget to keep the lamps filled and wicks in good order. When the oil is low it generates gas which is liable to explode. Don't allow benzine, gasoline, naphtha, or other explosives in your place. If necessary to keep these in stock, let a separate building be provided for their storage. Don't allow ashes to be put in a wooden-box or barrel in your building. Always have an iron ashpan.



The Barnum Wire and Iron Works at Windsor has been incorporated with a capital of \$45,000.

A company has been formed at Hamilton to bore for natural gas near the Grand Trunk yards in that city.

Messrs. McKeough & Trotter's laundry and machine shops at Chatham, Ont., were destroyed by fire on the 15th of Feb. Loss about \$20,000.

A sample of Manganese ore has been discovered on a farm on the line of the New Brunswick Railway, and its value is being determined by chemical analysis.

An Ohio firm have lately visited St. Thomas, Ont., with a view to engaging in the manufacture of railway frogs there. The proposed new industry is expected to give employment to a large number of men.

The Erie and Huron Railway Co. expect to have their new machine shop at Chatham, Ont., finished in about a month's time. It is 150 x 30 feet, furnished with a 30 h. p. engine, and will contain lathes and other machinery for repairs of engines and general iron work.

The Massey Manufacturing Co., of this city, are making arrangements to establish malleable iron works here on an extensive scale. The Company has petitioned the City Council to grant the new enterprise exemption from taxation for ten years; but as yet the Council has not taken any action in the matter.

The capacity of the new pumping engines of the Hamilton Water Works Department is as follows: Duty per 100 lbs. of coal in foot pounds, 114,593,991; capacity during test, in imperial gallons, 4,118,587 per 24 hours; capacity at contract speed in imperial gallons, 3,895,600 per 24 hours; mean steam pressure during test, 112 lbs. per square inch.

The secretary of the old Joseph Hall Manufacturing Co., of Oshawa, Mr. Joseph Weir, has purchased all the patterns of the estate, and will shortly open a malleable iron shop in connection with his machine shop. Mr. Thomas Morrison, a former resident of the town, has returned and will commence the manufacture of boilers, iron fencing, etc., in the same building with Mr. Woon.

The first piece of belting made with wire has been manufactured at Beaver Fall, Pa., J. E. Emerson and Thomas Midgely, under patents taken out by the letter. It is said to be as pliable as leather, in fact more so, and will wrap around a 1 or 2-inch shaft without straining the wire. The link arrangement is similar to that of flat gold chains, and the sample shown has a tensile strength of five tons.

When a shaft is to be loaded down with pulleys and strung up in every direction with belting, quite a saving in power can be made by giving some attention to the number of bearings that can be brought into use. A light shaft, with bearings close together, will stand as much lateral displacing tendency as a heavy one with hangers few and far between. There is nothing lost by having a few extra bearings, as far as friction goes, if the foundation has got through with settling and the frame from warping out of line, but the percentage in power keeps up wonderfully with the size of the shaft when an addition in this respect is made.

The newly invented pipe of wood fibre for water, gas and electric wire conduits, says the *Proceedings*, is made under the enormous hydraulic pressure of the material, and, after the pipe is thus formed, it is thoroughly saturated with a liquid that makes it water and acid-proof and indestructible by natural causes, and then it is finally baked. Pipe of this character will stand a pressure of 125 to 175 pounds to the square inch, though it weighs but one-fifth as much as iron. Its tensile strength is enormous, and it will endure heat up to 400°. It is a non-conductor of heat, and protects its contents from freezing, unless at a very low temperature. The pipe is suitable for mills using water and dyes, and is said to insulate electric wires perfectly.

PERSONAL.

Items of personal intelligence from our eminent persons engaged in the various branches of mechanical industry represented in Canada will always be welcome to this column, with the stipulation that the name of the sender be given, not for publication, but as a guarantee of good faith.

Mr. J. A. Stephenson will take charge of the Portage Milling Co's branch, shortly to open at Winnipeg.

Mr. Joseph W. Warder, formerly of London, Ont., has taken charge of Mr. Peter Shaw's roller mill at East Oro, Ont.

While working in his saw mill near Owell, Ont., a few days ago, Mr. Wilson McCreadie had one hand nearly severed by a circular saw.

An accident occurred last Thursday afternoon in Tilson's saw mill Tilsonburg, Ont., in which John Theid had the base of his skull fractured.

Geo. Zimmer, of Brussels, Ont., who was badly injured the other day while working at Vanstone Bros. mill near Southampton is doing as well as could be expected.

Mr. John C. Lazier, manager of the Moim, Ont., flouring mills went to Southern California last month and will stay for two years for the purpose of recruiting his health.

A Society under the name of the Messrs. Wm. & J. G. Greeys' Employees' Mutual Sick Benefit Society, has been organized in connection with this firm. As the name implies the object of the Society is for the mutual benefit of its members in case of sickness. After existing for some months now it bids fair to fill the purpose for which it was started.

The *Evening Sentinel* of Birmingham, Conn., thus speaks of the newly appointed manager of the Cochrane Roller Mill Supply Co. of Dundas, Ont.: Edward Condon, for the past 23 years in the employ of the Birmingham iron foundry, will sever his connection with the concern Saturday next, and leave for Hamilton, Ontario, Canada, where he will assume a position as foreman in a foundry there. Mr. Condon is at present a member of the city government and his services on the board will be missed by his associates as he was looked upon as a conservative man on all subjects pertaining to the public welfare. He is also a member of the school committee of the sixth school district.