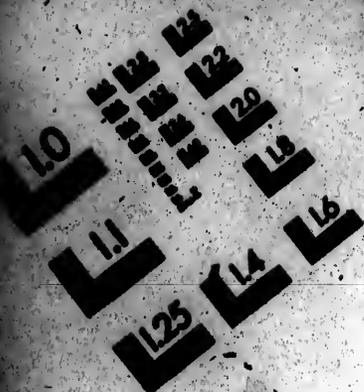




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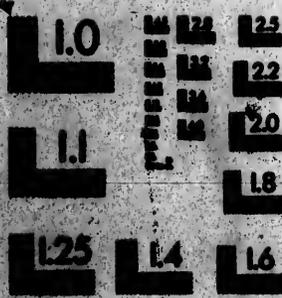
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**T**HIS fair city of ours, stretching along the blue waters of Lake Ontario, is not the largest city in our young Dominion, but even her more populous rival does not deny that she is the fairest and the most full of promise; and by common consent she is known all Canada over as the "Queen City of the West." Her progress has not been a slow and dreary pace; for her veins are full of vitality, and her heart fired with ambition. Some of the most enterprising spirits in Canada are ranked among her citizenship, and she counts among her business houses some of the greatest and most important trade institutions in the country. In all those factors that go to make a community prosperous and worthy, she will be found well supplied. No poisonous slums exist within her limits to harbor pestilence; her streets no longer lie under their old reproach, for many of them are paved and cleanly. Societies of every description of benevolent, moral and elevating aim, are busy among her citizens; her educational system is perfect as the age can give, and education has become the property of one and all. In art, too, she has much to show; and her late festival of choruses promises that in music she is destined to win a world-wide fame. The power of the pulpit in Toronto is great; and she emphatically is a church-going city. In walking her thoroughfares you find no empty houses; new buildings are being reared, and not in pairs, but frequently in whole streets. Consolidation and unification are going on by the incorporation, with the Queen City herself, of those thriving suburbs that girdle her loins with clusters of little communities—industrious, ambitious and intelligent.

## RAILWAYS

From the heart of the city diverge a number of railways drawing to their wheels the products of the fairest and most fruitful portion of Ontario. For all this territory she is the distributing point, sending to the farmer what he needs of her manufactures, and receiving from him the product of his field and farm. Our chief mercantile houses are known to stand upon steady foundations; our Banks are here sturdy and in full force; and literature finds here the centre. In short, this young Queen of the West is the delight of all who come within her gates; and one who has enjoyed her citizenship seldom cares to cast his lot in any other quarter. We shall now briefly, and in regular order, touch upon the chief attractions which we have to offer the tourist who is desirous of spending a brief period here.

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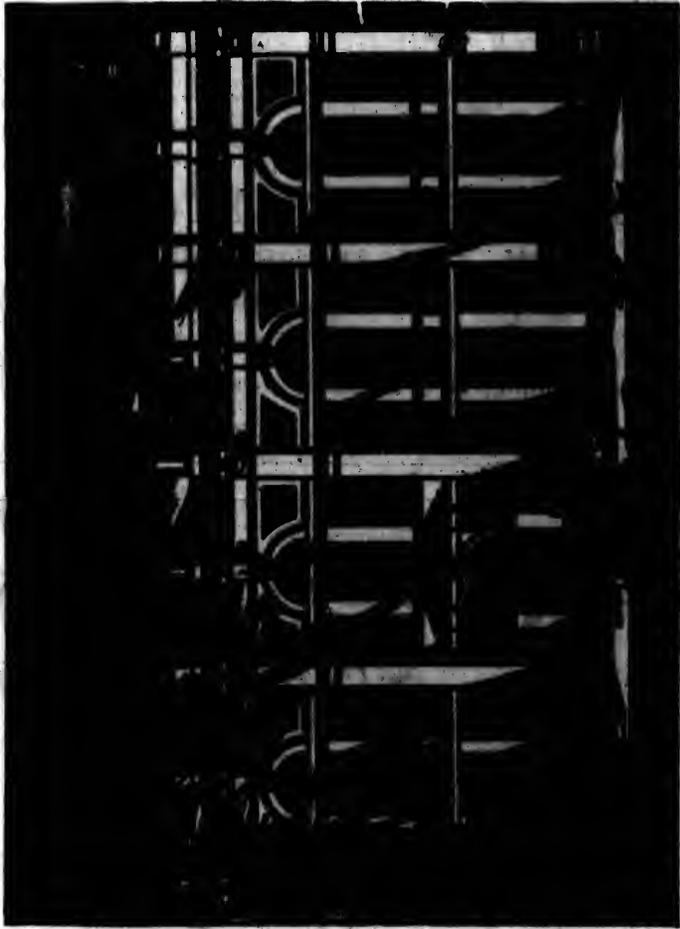
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## PLACES OF INTEREST AND PUBLIC BUILDINGS

Permanent Exhibition of Manufactures, 63, 65, 67, 69 Front St. W.  
Custom House, Cor. Front and Yonge Sts.  
Lieutenant-Governor's Residence, Cor. of King and Simcoe Sts.  
Parliament Buildings, Front St.  
St. Andrew's Church, Cor. King and Simcoe Sts.  
Central Prison, Strachan Ave.  
Zoological Gardens, Industrial Exhibition Grounds.  
Industrial Exhibition Grounds and Palace.  
Osgoode Hall, Law Courts, Queen St., opp. York St.  
University Buildings, Queen's Park.  
Monument to the Volunteers who fell at Ridgeway, Queen's Park.  
Monument to the late Hon. George Brown, Queen's Park.  
Provincial Lunatic Asylum Grounds, Queen St.  
Normal School, Museum, etc., Gould St.  
Horticultural Gardens, Gerrard St.  
St. Michael's Cathedral (Roman Catholic), Bond St.  
St. James' Cathedral (Episcopal), King St., cor. Church St.  
St. Lawrence Market and City Hall Buildings, King and Front Sts.  
Metropolitan Church (Methodist), Queen St.; Cor. Church St.  
Baptist Church, Jarvis St., Cor. Gerrard St.  
Canadian Institute, Richmond St. E.  
Old St. Andrew's Church, Jarvis St.  
Unitarian Church, Jarvis St.  
Post Office, Adelaide St.  
Public Library, Church St., Cor. Adelaide St.  
General Hospital, Gerrard St. E.  
Rooms of the Ontario Society of Artists, 14 King St. W.  
The Cemeteries—The Necropolis, St. James' and Mount Pleasant.  
The Rosedale Bridges, the Bank Buildings, etc.

## PLACES OF AMUSEMENT

Pavilion Music Hall, Horticultural Gardens, Gerrard St. E.  
Grand Opera House, 5 Adelaide St. W.  
Toronto Opera House, 27 Adelaide St. W.  
Caledonian Skating Rink, Mutual St. E.  
Granite Skating Rink, 471 Church St.  
Metropolitan Roller Rink, 31 Shaw St. W.  
Moss Park Skating Rink, Shuter St. E.  
Hanlan's Point, the Island.  
Zoological Gardens, Exhibition Grounds, Dufferin St. W.  
Wiman Baths, the Island.  
Turner Baths, the Island.  
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**Assistant Receiver General's Office, Toronto Street.**

**Bank of British North America, cor. Yonge and Wellington Streets.**

**Bank of Montreal, cor. Yonge and Front Streets.**

**Bank of Toronto, cor. Church and Wellington Streets.**

**Canadian Bank of Commerce, 59 Yonge Street.**

**Central Bank of Canada, 51 Yonge Street.**

**Dominion Bank of Canada, cor. King and Yonge Streets.**

**Federal Bank of Canada, Wellington Street West, opp. Jordan St.**

**Imperial Bank of Canada, Wellington Street East, Cor. Leader Lane.**

**Merchants' Bank of Canada, 13 Wellington Street West.**

**Molson's Bank, cor. King and Bay Streets.**

**Ontario Bank, cor. Wellington and Scott Streets.**

**Quebec Bank, cor. King and Toronto Streets.**

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## CHURCHES

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Denomination.	Churches.	Principal Church.	Location.
Baptist	12	Jarvis Street.	Cor. Jarvis and Gerrard Streets.
Bible Christian	4	Agnes Street	Cor. Agnes and Teraulay Streets.
Catholic Apostolic	1	Catholic Apostolic	Cor. Gould and Victoria Streets.
Congregational	6	Bond Street	Cor. Bond Street and Wilton Avenue.
Christadelphian	2	Albert Street	Albert St., north side, near Yonge St.
Episcopal	25	St. James' Cathedral	Cor. Church and King Streets.
Episcopal (Reformed)	2	Christ Church	Cor. Simcoe and Caer Howell Streets.
Hebrew Synagogue	1	Hebrew Synagogue	29 Richmond Street East.
Lutheran	1	Lutheran	114 Bond Street.
Methodist	22	Metropolitan	Queen St. E., between Bond & Church Sta.
Presbyterian	16	Old St. Andrew's	Cor. King and Simcoe Streets.
Roman Catholic	9	St. Michael's Cathedral	Shuter St., bet'w'n Bond & Church Sta.
Unitarian	1	First Unitarian	206 Jarvis Street.
New Jerusalem	1	New Jerusalem	Elm Street.
Society of Friends	1	Society of Friends	28 Pembroke Street.
Salvation Army	6	Salvation Temple	Cor. James and Albert Streets.





## PUBLIC PARKS

Bellwoods Park.

High Park.

Horticultural Gardens.

Ketchum Park.

Kew Gardens.

Long Branch.

Lorne Park.

Queen's Park.

Riverdale Park.

Riverside Park.

Victoria Park.



## TORONTO CLUBS

- Albany Conservative Club. 75 Bay Street.  
Argonaut Rowing Club. Foot of York Street.  
Athenæum Club. Corner Adelaide and Church Streets.  
Bayside Rowing Club. Foot of Scott Street.  
Caledonia Curling Club. Mutual Street Rink.  
Don Rowing Club. King Street, near Don Bridge.  
Granite Curling Club. 471 Church Street.  
Moss Park Curling Club. Shuter Street.  
National Club. 98 Bay Street.  
Ontario Jockey Club.  
Ontario Lacrosse Club.  
Ontario Reform Club. 63 Wellington Street W.  
Queen City Driving Club. 9 Berti.  
Royal Canadian Yacht Club. Club House, Island.  
Toronto Athletic Club.  
Toronto Base Ball Club. Meets at Woodbine Hotel.  
Toronto Bicycle Club. 5 Wilton Avenue.  
Toronto Chess Club. Public Library Building.  
Toronto Club. 79 York Street.  
Toronto Cricket Club.  
Toronto Draught Club. Mutual Street Rink.  
Toronto Fencing Club. 40 Church Street.  
Toronto Golf Club.  
Toronto Gun Club.  
Toronto Hunt Club.  
Toronto Lacrosse Club.  
Toronto Press Club. 148 Bay Street.  
Toronto Reform Association. Room V., Yonge Street Arcade.  
Toronto Rowing Club. Foot of York Street.  
Toronto Sailing Skiff Club. Foot of Lorne Street.  
Toronto Snowshoe Club.  
Toronto Toboggan Club. Rosedale.  
Toronto Yacht Club. Foot of Simcoe Street.  
Wanderers' Bicycle Club. Victoria Street.  
Young Men's Prohibition Club. Cor. Victoria and Richmond Sts.



## TORONTO STREET RAILWAY



**Union Station and North Toronto (RED LIGHT).—**From Cor. Front and York to North Toronto. First car leaves Cor. Front and York Sta. 5-35 a.m.; North Toronto 6-08 a.m. Last car leaves Cor. Front and York Sta. 11-35 p.m.; North Toronto 12-08 a.m.; intervening every 10 minutes. Connects with Metropolitan St. Ry.

**Yonge Street (RED LIGHT).—**From Market to Cor. Yonge and Scollard Sta. First car leaves Market at 6-35 a.m.; Scollard 7-08 a.m. Last car leaves Market 11-25 p.m.; Scollard 12-05 a.m.; intervening every 5 minutes.

**Queen Street (WHITE LIGHT).—**From Market to Parkdale. First car leaves Market 5-30 a.m.; Parkdale 6-05 a.m. Last car leaves Market 11-30 p.m.; Parkdale 12-05 a.m.; intervening every 5 minutes.

**Church Street (BLUE LIGHT).—**From Cor. Front and York Sts. to Bloor St. First car leaves Cor. Front and York Sts. 5-55 a.m.; Bloor 6-20 a.m. Last car leaves Cor. Front and York Sts. 11-15 p.m.; Bloor 11-40 p.m.; intervening every 10 minutes.

**Sherbourne Street (RED LIGHT).—**From Cor. York and Front Sts. to Cor. Sherbourne and Bloor Sts. First car leaves Cor. Front and York Sts. 5-50 a.m.; Bloor 6-10 a.m. Last car leaves Cor. Front and York Sts. 11-30 p.m.; Bloor 12-00 a.m.; intervening every 10 minutes.

**Winchester Street (GREEN LIGHT).—**From Cor. Front and York Sts. to Necropolis Cemetery. First car leaves Cor. Front and York Sts. 5-53 a.m.; Necropolis 6-13 a.m. Last car leaves Cor. Front and York Sts. 11-23 p.m.; Necropolis 11-53 p.m.; intervening every 10 minutes.

**Parliament Street (WHITE LIGHT).—**From Cor. Front and York Sts. to Cor. Gerrard and River Sts. First car leaves Cor. Front and York Sts. 5-48 a.m.; River 6-08 a.m.; last car leaves Cor. Front and York Sts. 11-18 p.m.; River 11-48 p.m.; intervening every 20 minutes.

**King Street (BLUE LIGHT).—**From the Don to Strachan Ave. First car leaves Don 5-55 a.m.; Strachan Ave. 6-20 a.m. Last car leaves Don 11-25 p.m.; Strachan Ave. 12-00 p.m.; intervening every 5 minutes.

**McCaul and College Sts. (RED AND BLUE LIGHT).—**From Market to Cor. College and Bathurst Sta. First car leaves Market 5-50 a.m.; Bathurst 6-20 a.m. Last car leaves Market 11-23 p.m.; Bathurst 11-53 p.m.; intervening every 10 minutes.

**Seaton Village via Spadina Ave. (YELLOW LIGHT).—**From Market to Cor. Bathurst and Bloor Sts. First car leaves Market 5-38 a.m.; Bloor St. 6-18 a.m. Last car leaves Market 11-24 p.m.; Bloor St. 12-04 a.m.; intervening every 15 minutes.

**Spadina Ave. and Bloor Street (RED AND GREEN LIGHT).—**From Market to Cor. Spadina Ave. and Bloor St. First car leaves Market 5-44 a.m.; Bloor 6-17 a.m. Last car leaves Market 10-25 p.m.; Bloor 10-58 p.m.; intervening every 20 minutes.

**Queen St. and Brockton (GREEN LIGHT).—**From Cor. Front and George Sts. to Dundas St. Bridge, Brockton, via King, Yonge, Queen and Dundas Sts. First car leaves Cor. Front and George Sts. 5-27 a.m.; Dundas St. Bridge 6-12 a.m. Last car leaves Cor. Front and George Sts. 10-27 p.m.; Dundas St. Bridge 11-12 p.m.; intervening every 20 minutes.

**Queen St. E. and Union Station (WHITE LIGHT).—**From Cor. Front and York Sts. to Cor. Queen and River Sts. First car leaves Cor. Queen and River Sts. 6-30 a.m.; Cor. Front and York Sts. 6-54 a.m. Last car leaves Cor. Queen and River Sts. 10-14 p.m.; Cor. Front and York Sts. 10-38 p.m.; intervening every 15 minutes.

**Carlton and College Streets (WHITE LIGHT).—**From Cor. Carlton and Parliament Sts. to Cor. College and Bathurst Sts. First car leaves Cor. Carlton and Parliament Sts. 5-30 a.m.; Cor. College and Bathurst Sts. 6-00 a.m. Last car leaves Cor. Carlton and Parliament Sts. 11-00 p.m.; Cor. College and Bathurst Sts. 11-30 p.m.; intervening every 20 minutes.

**Queen Street and Parkdale (GREEN AND RED LIGHT, STRIPE IN THE CENTRE).—**From Cor. King and Yonge Sts. to Cor. Queen St. and Sorauren Ave. Parkdale. First car leaves Cor. King and Yonge Sts. 5-25 a.m.; Sorauren Ave. 6-05 a.m. Last car leaves Cor. King and Yonge Sts. 10-55 p.m.; Sorauren Ave. 11-35 p.m.; intervening every 15 minutes.

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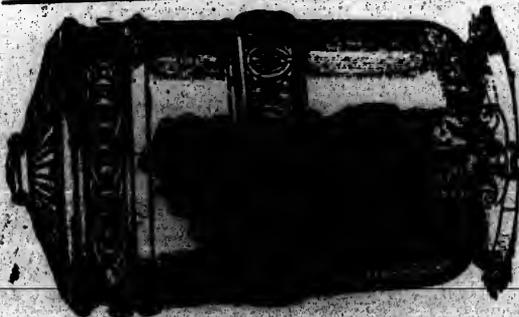
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- Trinity University.
- Knox College.
- St. Michael's College.
- Toronto Baptist University.
- Wycliffe College.
- Upper Canada College.
- Bishop Strachan School.
- Toronto School of Art.
- Normal and Model Schools.
- Collegiate Institute.
- And numerous public and private schools.



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5 cents for each half oz. or fraction thereof.

POST CARDS, for Correspondence between Canada and the United Kingdom, may be obtained at the stamp agencies at 2 cents each, as also cards for any postal union country. Cards with a prepaid reply form attached are also provided.

N.B.—One cent postal cards, with an extra cent stamp attached, cannot be used in place of two cents postal cards, but go to Dead Letter Office, nor can anything be pasted or attached to a postal card.

City or Drop Letters for City Delivery.

1 cent for each half oz. or fraction thereof.

The above rates must in every case be prepaid by postage stamp. When posted wholly unpaid they cannot be forwarded, but will be sent to the Dead Letter Office. If insufficiently paid (not less than one full rate) double the amount of the deficient postage will be charged on delivery.

There is a counter in the post office for the sale of Stamps, Postal Cards, etc. Stamp vendors are only allowed to sell and deliver Stamps at the places mentioned in their license. A breach of this rule will entail immediate forfeiture of License. Persons selling without a license incur the risk of a heavy penalty.

Letters intended to be Registered, when addressed to places in CANADA, must be prepaid by stamp, in addition to the postage rate, 2 cents each. To the UNITED STATES, 5 cents each, and to the UNITED KINGDOM, 5 cents each. The Registration fee on all letters must be prepaid by Registration Stamps, which are not available for payment of ordinary postage. All letters for Registration should be posted 15 minutes before the hour of closing the mails.

No Letter will be accepted at this office for Registration addressed either to a fictitious name or to initials, and any such Registered Letters received from other offices, or deposited in the Letter Box for Registration, will be sent to the Dead Letter Office.

## Newspapers and Periodicals

published regularly at intervals of not more than one calendar month, addressed to regular subscribers, or newdealers, resident in Newfoundland, the United States, or Canada, except at the place of publication, are transmitted free of postage.

### Transient Newspapers and Periodicals addressed to places in Canada, Newfoundland and U. S.

On all newspapers and periodicals other than those from the office of publication, including all newspapers and periodicals published less frequently than once a month, the postage rate is one cent per four ounces, which must be prepaid by postage stamp.

Newspapers and periodicals weighing *less than one ounce*, may be posted singly, prepaid by postage stamp *one half cent each* to places outside the city.

Newspapers posted for city delivery must be prepaid by one cent stamp each.

Newspapers addressed to places in the United Kingdom must be prepaid by postage stamp *one cent per 2 oz., or fraction of 2 oz.*

## PARCEL POST.

There is no parcel post between Canada and the United States.

A parcel post, by the Canadian steamers only, between Canada and the United Kingdom has been established. A parcel must not exceed 3 lbs. weight, nor be more than 2 ft. long by 1 ft. wide or deep. A customs declaration form must be obtained and filled up at the post-office, noting contents and value. Parcels posted without this formality are subjected to a tax of double letter rate in England. The rate from Toronto to the United Kingdom is 35 cents per lb. or fraction of a lb. By inland Canadian Parcel Post the weight of parcels is limited to 5 lbs., and the size to 2 ft. by 1 ft. The rate is 6 cents per 4 oz., or fraction of 4 oz.

## MONEY ORDER OFFICE.

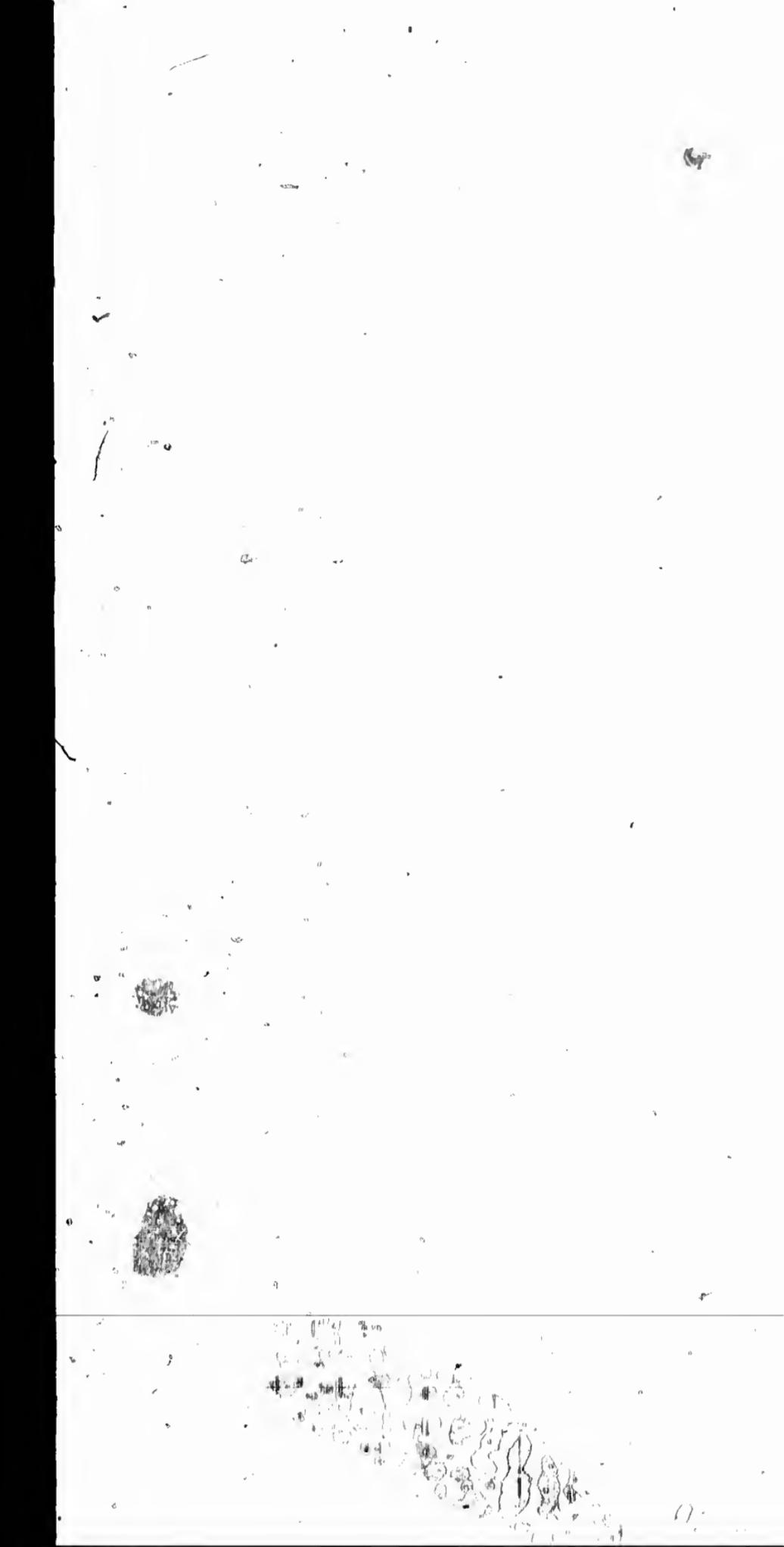
In sending money by mail it is always best to transmit by Money Order if possible. If sent by letter it should always be registered.

Money Orders issued and paid from 9 a.m. to 4 p.m.

### Commission on Money Orders.

On Money Orders drawn by any Money Order Office in Canada on any other Money Order Office in the Dominion, is as follows:

If not exceeding \$4, 2c.	Over 40 not exceeding \$60, 30c.
Over 4 " " 10, 5c.	" 60 " " 80, 40c.
" 10 " " 20, 10c.	" 80 " " 100, 50c.
" 20 " " 40, 20c.	



No single Money Order, payable in the Dominion of Canada, can be issued for more than \$100; but as many \$100 each may be given as the remitter requires.

The other countries and British Colonies upon which Money Orders are granted are distinguished by an *Asterisk* (\*) in the subjoined table; the rates of commission in all cases being as follows:

Over \$10	"	"	20, 20c.	Over \$30 not exceeding \$40,	40c.
"	20	"	30, 30c.	"	40
				"	50, 50c.

### BOOK PACKETS

not exceeding 5 lbs. in weight can be sent to the United Kingdom.

The limit of weight for Book Packets passing in Canada is 5 lbs. The rate is 1 cent for 4 oz., also to Manitoba, North-West Territory and Victoria B. C.

### Legal and Commercial Papers.

Legal and Commercial papers, posted for places in Canada, generally are subject to *letter* rate unless sent by parcel post; except deeds and insurance policies, which are allowed to go by Book Post. Postage rates on Legal and Commercial Papers, addressed to Postal Union countries, are as follows: viz., to countries where the letter-rate is 5 cents per  $\frac{1}{2}$  oz., the rate of legal and commercial papers is 5 cents for the first 10 oz., and one cent for each additional two oz. or fraction; or to countries where the letter rate is 10 cents per  $\frac{1}{2}$  oz., the rate is 5 cents for the first 4 oz. and 2 cents for each additional 2 oz. or fraction.

### PATTERN AND SAMPLE POST.

**CANADA.**—Patterns and samples of merchandise, not exceeding 24 ounces in weight, when posted in Canada for places within Canada or Newfoundland, must be prepaid by postage stamp at the rate of *one cent* per 4 ounces weight, and put up in such manner as to admit of inspection. Goods sent in execution of an order, however small the quantity may be, or articles sent by one private individual to another, not being actually trade patterns or samples, are not admissible as such.

**UNITED STATES.**—Patterns and samples of merchandise, posted for places in the United States, are subject to the special rate of 10 cents each, prepaid by postage stamp, and must not exceed 8 ounces in weight.

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## The Canadian Manufacturer

THE INDUSTRIAL JOURNAL

- - OF THE DOMINION OF CANADA - -

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FREDERIC NICHOLS, Editor J. J. SASSIDY, Man. Editor ED. McCORRICK, Secretary

Office—6 WELLINGTON ST. WEST, TORONTO

## CAB TARIFF

### RATES OF FARE AUTHORIZED BY CITY ORDINANCE RELATIVE TO PUBLIC CARRIAGES, ETC., ETC.

Every Cabman, on each occasion when his cab is hired, when demanded, shall hand his card to the person employing him.

No fare is to be paid to any Cabman who refuses to hand his card to the person employing him, or who demands a greater rate than allowed by the following tariff.

#### THE CAB LIMITS

No. 1 Division will be composed of that portion of the city lying between Peter St. on the west, Sherbourne St. on the east, Carlton St. on the north, and the bay on the south.

No. 2 Division.—From Bathurst St. on the west, to Bloor St. on the north, and Sumach St. on the east.

No. 3 Division—Any point not included within the limits of the first and second Divisions.

#### TWO HORSE CABS

The fare by the hour will be, for two-horse cabs, one or four persons, \$1. Over four persons, 25 cents for each adult per hour.

From any one place in No. 1 Division to any other place in the same Division,—one person, 25 cents, and for each additional person, 25 cents.

For conveying one person from No. 1 Division to any place in No. 2 Division,—50 cents for one person, and 25 cents for each additional person.

For conveying one person from No. 1 Division to any place in No. 3 Division, 75 cents; for each additional person, 25 cents.

#### ONE HORSE CABS

For conveying one person from any one place within the limits of No. 1 Division to any other place within the limits of the same Division, 20 cents; for each additional person, 20 cents.

For conveying one person from any place in No. 1 Division to any place in No. 2 Division, 30 cents; for each additional person, 20 cents.

For conveying one person from No. 1 Division to any place in No. 3 Division, 50 cents; for each additional person 20 cents.

#### CHILDREN

No fare shall be charged for children under eight years in charge of an adult. Children over eight years and under 12 years charged half price; over that age, full fare.

#### NIGHT TARIFF

From the 1st May to the 31st October, inclusive, from 10 o'clock p.m. to midnight, the charge for cabs shall be one-half more than the above tariff, and after midnight to 6 o'clock a.m., double the above tariff; and from the 1st November to the 30th April, inclusive, from 6 o'clock p.m. to midnight, and after midnight to 6 o'clock a.m., the same additional charges.

#### BAGGAGE

One trunk and articles that may be placed inside the cab are to be carried free. For every other article placed on the outside of the cab, the cabman is entitled to five cents.

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Before proceeding farther we invite your attention to the following:

Under the pressure of keen competition, economy in the manufacture of goods has been a constant source of study, and in most establishments every avenue of waste has been closed, and every perfected method of production has been adopted.

It is far different with the *distribution of goods*, and it is the very necessary economy in this direction that we have in view, as it matters not how cheaply goods may be manufactured if the expense of selling them is so great as to swallow up most of the margin of estimated profit. Many outside firms now have, and many more are finding out the necessity of having, a branch office in this city.

In many cases such offices are located on a side street, and are visited only by those who go there purposely on business bent. In maintaining such offices expense has to be incurred for salaries, rent, light, heat, care-taking, telephone, etc., etc., and no matter how the expense of each item is curtailed, the annual cost is bound to be a large one.

It is our object to afford a practical arrangement whereby this unavoidable expenditure may be *largely* reduced, while at the same time, the benefits sought to be attained will be very much greater. For a moderate rental we offer every advantage of a private branch office, with the additional advantage of being represented in a head centre or "commercial exchange," where an exhibitor's goods will be seen by thousands of business men throughout the year. To an appreciative extent it will change the existing order of things, as in many instances the customer will visit the agent instead of the agent having to hunt up the customer.

The Permanent Exhibition will be open, free to the public, every week-day.

Extensive advertising will keep the Exhibition and its advantages fresh in the minds of the people.

Every effort will be made to furnish attractions, which will ensure the entertainment and interest of the public.

Our building is situated in the centre of the business part of the City of Toronto. It is easy of access from all Hotels, Railway Stations and Steamboat Landings—in fact it is on the highway to all these places.

Every facility for the transaction of business will be provided in the building, such as telephone connection, telegraph and ticket office, postage stamp and news stand, private offices, reading room, etc., in order that all dispatch may be ensured.

Lavatory accommodation and sanitary conveniences are provided for the use of exhibitors and their agents.

Our storage facilities are unsurpassed, and the receiving and shipping of goods will receive prompt and careful attention.

Exhibitors may either appoint us selling agents or have their own representatives on the spot.

Power and shafting will be provided for exhibitors who may wish to show machinery in operation.

Instructed attendants will be in charge, for the purpose of explaining the merits of each exhibit to interested visitors.

Exhibitors can have printed on their office stationery, "When in Toronto call and see samples of our goods at the Permanent Exhibition of Manufactures." This may afford prospective purchasers an opportunity of personally inspecting goods, who might not otherwise visit outside towns for that purpose.

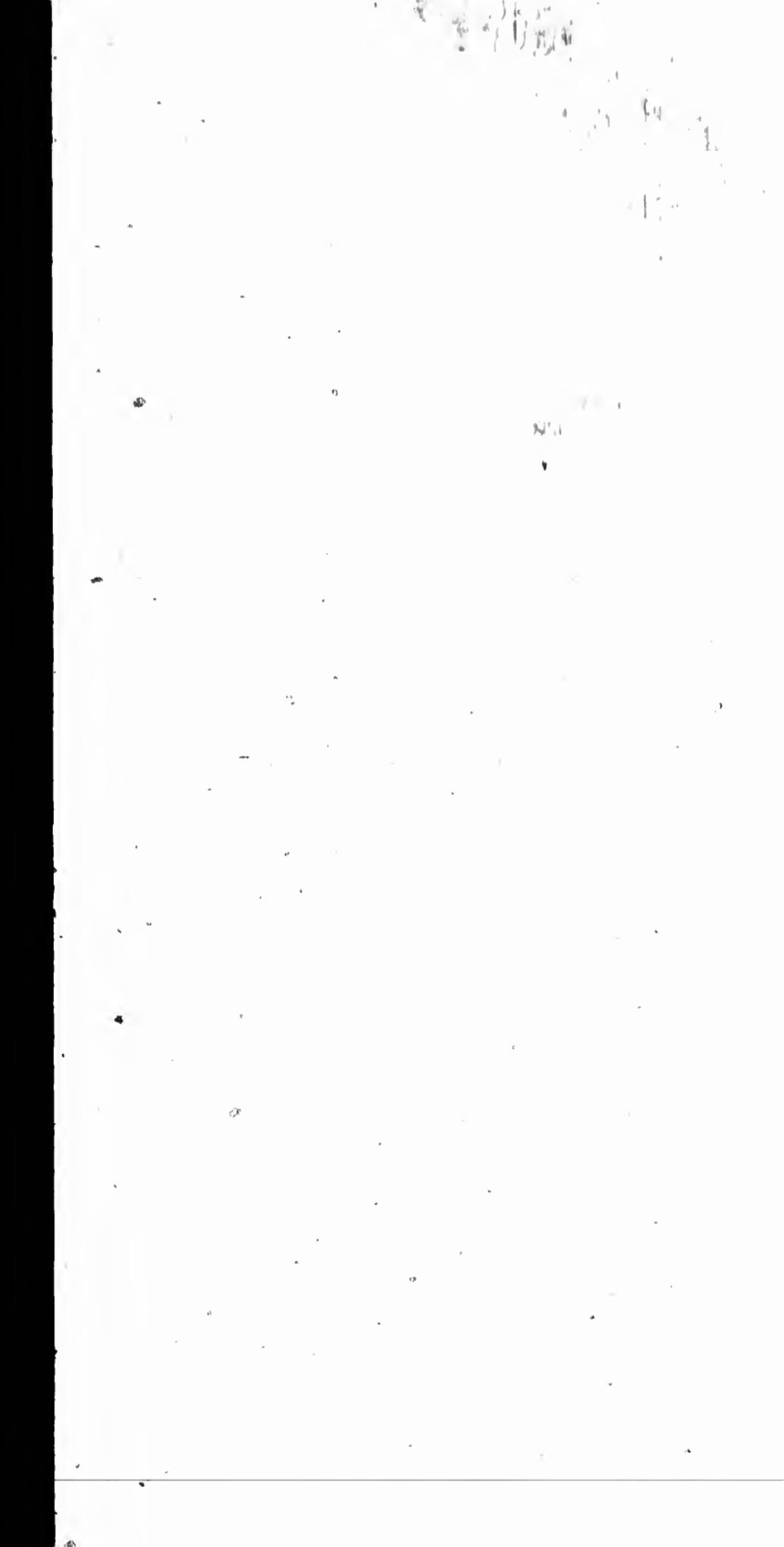
Exhibits will be seen by large numbers of business men who would not be apt to visit a private office unless on special business.

It is designed to supply the long felt want of a central exchange, wherein goods can be kept on show for the inspection of the thousands who come up month after month to this commercial metropolis.

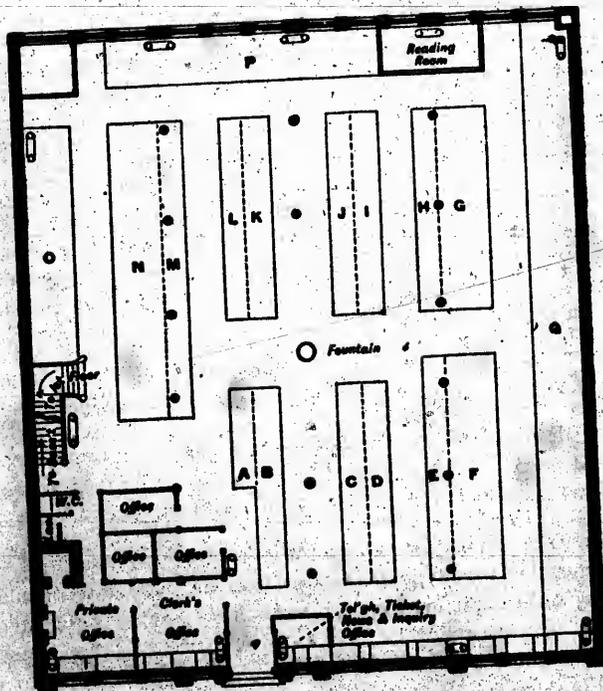
It is also in contemplation to provide, for the convenience of outside manufacturers and for city merchants and brokers, suitable accommodation for meeting and transacting business, and which may be designated as a "CHAMBER OF COMMERCE," or "TRADE EXCHANGE." For example, a manufacturer whose works are located in an outside town, but who makes periodical business trips to Toronto, can advertise on his office stationery that either himself or representative may always be found, between stated hours on certain days, at the Permanent Exhibition. Other particulars, such as ACCOMMODATION FOR TRADE SALES, ETC., will be made public at a later date.

Yours truly,

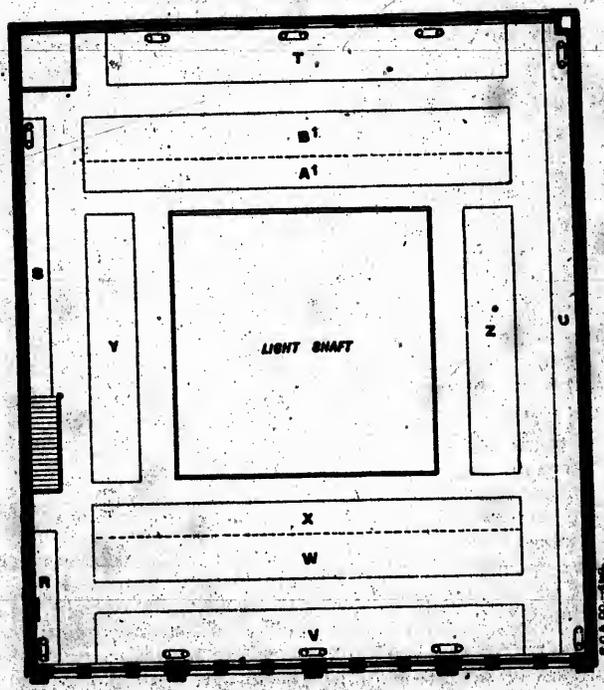
NICHOLLS & HOWLAND.



# PLAN OF MAIN FLOOR PERMANENT EXHIBITION BUILDING



# PLAN OF GALLERY FLOOR PERMANENT EXHIBITION BUILDING



MESSRS. NICHOLLS & HOWLAND,  
Toronto.

GENTLEMEN :

IN reply to your request as to what I think of the advantages of a Permanent Exhibition, I have pleasure in stating that I think it will supply a great need in the city, and will result in making it more a centre of trade than it is to-day.

We want Toronto to be a place where, so far as it is possible, everybody will be induced to come, because of a reasonable certainty of finding everything he may want that is worth having. Wishing you every success.

Sincerely yours,

W. H. HOWLAND,  
Mayor of the City of Toronto.

o o o o

Federal Bank; Toronto.

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

DEAR SIRs :

I AM much pleased to learn that you are erecting a suitable building in Toronto, with machinery attachment, for the permanent exhibition of Canadian manufactures.

I think Canadian industries of nearly all kinds are passing from the incipient and uncertain stage to durable and profitable growth, and a well managed "sales and display" centre, such as you contemplate, would be a considerable and an interesting factor in creating business.

I assume, of course, that you would exclude articles of uncertain utility, and the rooms would be filled with such new and staple goods, as would make them a centre of attraction to buyers and others interested in the success of Canadian manufactures.

Yours truly,

G. W. YARKER.

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

DEAR SIRs :

I HAVE much pleasure in congratulating you upon the energy and enterprise exhibited in the establishment of a Permanent Exhibition of Manufactures. The venture is one deserving of every encouragement, and will, I have no doubt, prove of the greatest service to the manufacturing interests of the Dominion.

I would be glad to see the best of feeling exist between yourselves and the Industrial Exhibition Association; there should be no rivalry except such as conduces to the advancement of both, and your mutual welfare. Wishing you every success.

Yours truly,

D. R. WILKIE,  
Cashier, Imperial Bank, Toronto.

o o o o

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

GENTLEMEN :

WE are in receipt of yours of the 12th inst., which, owing to a pressure of business, has not been answered sooner.

We consider your Permanent Exhibition of Manufactures will be of great benefit to many people, and, we trust, remunerative to yourselves. There is, no doubt, a fine opening for an Exhibition of that description in the city, and, should you secure the necessary patronage, it will, no doubt, prove a very great advantage to the exhibitors and the public in general. Wishing you success,

Yours truly,

H. A. MASSEY,  
President, Massey Manufacturing Co.  
Toronto.

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

DEAR SIRs:

I THINK the Permanent Exhibition will result in extending the business connections of those who may secure space in the building.

It should be a benefit to the city, because of its centralizing influence; to the exhibitor, because of the opportunity it affords him of placing his goods before the general public; and to the general public because of the facilities offered for inspecting a varied range of manufactures under one and the same roof.

Yours truly,

(Alderman) E. GALLEY,  
Vice-President, Land Security Co.,  
Toronto.

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

GENTLEMEN:

REFERRING to your project for establishing a Permanent Exhibition and Sales-rooms for Manufactures, would say that it has my entire approval.

It cannot fail to be a great benefit (especially to those in outside localities) to have so central and accessible a site as the one you have secured, where actual goods may be seen, and full information given.

Yours truly,

R. W. ELLIOTT.

Ex-President, Canadian Manufacturers' Ass'n.

o o o o

MESSRS. NICHOLLS & HOWLAND,  
Toronto.

DEAR SIRs:

IN reply to yours of 11th inst., I think the idea of a Permanent Exhibition of Manufactures in Toronto a good one, both for the city and for the manufacturers and merchants.

Profits are so small now-a-days that anything which tends to lessen the cost of handling goods must be a benefit to all concerned.

Yours truly,

WM. GRINDLAY,  
Manager, Bank of British North  
America, Toronto.



# OFFICERS OF INDUSTRIAL EXHIBITION ASSOCIATION, 1887

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HIS EXCELLENCY THE GOVERNOR-GENERAL  
HON. JOHN CARLING, MINISTER OF AGRICULTURE

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# TORONTO FIRE ALARM SIGNAL BOXES

No.		No.	
4	Cor. Front and Church	92	Cor. St. Albans and St. Vincent
5	" Front and Yonge	93	" Yonge and Wellesley
6	" Bay and Esplanade	94	" Caer and North
7	" Front and York	95	" Yonge and Isabella
8	Parliament Buildings	123	" Yonge and Bloor
9	Cor. Simcoe and Esplanade	124	Yonge, opp. St. Paul's Hall
12	" King and Bay	125	Bloor, opp. St. Paul's Church
13	" King and York	126	Cor. Cumberland and Belair
14	" King and John	127	" Scotland and Hazelton Ave.
15	" King and Brock	128	" Avenue Road and Bloor
16	" King and Bathurst	132	" Avenue Road and Elgin Ave.
17	" Front and Bathurst	184	" Davenport Road and Belmont
18	" Front and Brock	135	" Yonge and Belmont
19	" Front and John	136	" Yonge and Cottingham
21	" King and Yonge	137	" Rosedale and Woodland Ave.
23	" King and Church	142	" St. Patrick and Spadina
24	" King and Jarvis	143	" College and Spadina
25	" Esplanade and West Market	145	" Brunswick and Harbord
26	" Front and Frederick	146	" Bathurst and College
27	Christie, Brown & Co's Factory	147	" College and Clifton
28	Cor. King and Sherbourne	152	" Denison Ave. and High
29	" King and Berkeley	153	" St. Patrick and Bathurst
31	" Yonge and Adelaide	154	" Denison Ave. and Cambridge
32	" Yonge and Queen	156	" Escliff Ave. and Arthur
34	" Yonge and Shuter	157	" Dundas and Ossington Ave.
35	" Bond and Wilton Ave.	162	" Queen and Dundas
36	" Yonge and Gould	163	" Queen and Lisgar
37	" Yonge and McGill	164	" Dufferin and Florence
38	" Yonge and Wood	165	" Dundas and Brock Ave.
41	" Queen and Elizabeth	167	" Dovercourt & St. Ann's Road
42	" Queen and Simcoe	172	" King and Stafford
43	" Queen and Beverley	173	Central Prison
45	" Queen and Brock	174	Bridge Manufacturing Co.
46	" Queen and Portland	175	Mercer Asylum
47	" Queen and Bathurst	176	Exhibition Buildings
48	" Queen and Claremont	212	Cor. Berkeley and Esplanade
51	" Queen and Church	213	Gooderham & Worts' Distillery
52	" Queen and Jarvis	214	Cor. Front and Trinity
53	" Queen and Sherbourne	215	" Front and Beachall
54	" Jarvis and Wilton Ave.	216	" King and Sumach
56	" Gerrard and Church	217	" Queen and River
57	" Gerrard and Sherbourne	231	House of Providence
61	" Jarvis and Carlton	234	Cor. Parliament and Queen
62	" Jarvis and Wellesley	235	" Sydenham and Ontario
63	" Sherbourne and Wellesley	236	" Seaton and Wilton Ave.
64	" Sherbourne and Isabella	237	" Parliament and Oak
65	" Charles and Jarvis	241	" Parliament and Carlton
67	" Charles and Church	243	" Parliament and Amelia
71	" Bay and Richmond	245	" Winchester and Sackville
72	" Louisa and Teranlay	246	Lamb's Factory and Amelia
73	" Agnes and Elizabeth	247	Cor. Gerrard and River
74	" Teranlay and Hayter	251	" Gerrard and Sackville
75	Hospital for Sick Children	253	" Sumach and Wilton Ave.
76	Cor. Christopher and Chestnut	254	" Queen and Broadview Ave.
81	" Simcoe and Caer Howell	256	" Queen and G. T. R. Crossing
82	" Beverley and D'Ancv	261	Gooderham's Cattle Sheds
83	" Beverley and College	263	Cor. Broadview Ave. and Gerrard
84	" Harbord and Huron	264	" De Grassi and Grover
85	" Bloor and Walmser Road	265	" Queen and Pape Ave.
91	" Grosvenor and St. Vincent	271	" Queen and Leslie

# TRAVELLER'S GUIDE

## POPULATION, DISTANCE AND FARE

### FROM TORONTO TO

	Pop.	Miles.	Fare. \$ c.		Pop.	Miles.	Fare. \$ c.
Arnprior.....	2500	277	9 25	Petrolia.....	5000	162	4 90
Aurora.....	2000	30	90	Port Hope.....	5588	63	2 10
Barrie.....	5000	64	1 95	Prescott.....	3000	221	7 30
Beaverton.....	1000	73	2 15	Quebec.....	62447	505	15 45
Belleville.....	10076	113	3 75	St. Catharines.....	9500	72	2 15
Berlin.....	5000	62	1 95	St. John, N.B.....	30000	1093	21 50
Bowmanville.....	3650	43	1 45	St. Marys.....	3600	98	3 10
Bradford.....	1500	41	1 25	St. Thomas.....	11000	131	3 65
Brampton.....	3500	21	65	Sarnia.....	5318	163	5 00
Brantford.....	12000	70	1;95	Seafort.....	2600	111	3 45
Brockville.....	10000	208	6 95	Simcoe.....	3000	82	2 75
Chatham.....	8500	179	5 30	Stratford.....	9000	88	2 75
Clinton.....	2900	118	3 70	Strathroy.....	4000	130	4 00
Cobourg.....	5000	69	2 35	Thorold.....	2700	83	2 25
Collingwood.....	5300	94	2 85	Trenton.....	3900	101	3 35
Corwall.....	7000	266	8 85	Uxbridge.....	2300	41	1 25
Elora.....	1500	98	1 90	Walkerton.....	2800	155	3 50
Exeter.....	1937	146	3 95	Welland.....	2600	88	2 55
Fergus.....	1900	101	1 90	Whitby.....	4000	80	1 00
Galt.....	6006	76	1 75	Windsor.....	7000	225	6 75
Gananoque.....	3000	178	6 20	Woodstock.....	6500	97	2 60
Georgetown.....	1700	29	90	Winnipeg.....	22000	1370	43 90
Goderich.....	4072	138	4 05				
Gravenhurst.....	2100	113	3 50				
Guelph.....	11000	48	1 50	Albany.....	90,758	409	8 75
Hamilton.....	41280	40	1 20	Baltimore.....	332,313	513	12 60
Harriston.....	2000	92	2 85	Boston.....	362,839	610	13 25
Halifax.....	36054	1191	28 00	Brooklyn.....	566,663	529	11 85
Ingersoll.....	4500	107	2 90	Buffalo.....	155,134	107	3 15
Kincardine.....	3000	160	4 65	Chicago.....	603,185	518	14 00
Kingston.....	17000	161	5 40	Cincinnati.....	255,139	495	14 50
Lindsay.....	5540	75	2 05	Cleveland.....	160,146	290	8 15
Listowel.....	3000	116	2 95	Denver.....	35,629	1644	45 00
London.....	28000	116	3 40	Detroit.....	116,340	225	6 75
Meaford.....	2300	115	3 50	Jersey City.....	120,722	523	11 85
Mitchell.....	2500	98	3 10	Kansas City.....	55,785	998	28 50
Montreal.....	160000	333	11 10	Louisville.....	123,758	623	17 50
Mount Forest.....	2500	87	2 65	Milwaukee.....	115,587	594	16 55
Napanee.....	4000	135	4 50	Minneapolis.....	46,887	923	25 50
Newmarket.....	2400	34	1 00	New Orleans.....	216,090	1424	31 85
Orangeville.....	3500	49	1 50	Newark.....	136,508	521	11 55
Orillia.....	4000	87	2 60	New York.....	1,206,299	523	11 85
Oshawa.....	4180	34	1 15	Philadelphia.....	847,170	612	11 85
Ottawa.....	32800	281	7 95	Pittsburg.....	156,389	230	9 15
Owen Sound.....	5500	122	3 65	Providence.....	104,867	600	13 35
Paisley.....	1100	169	3 95	Rochester.....	80,366	159	4 15
Paris.....	3400	69	2 00	San Francisco.....	233,959	3310	75 65
Pembroke.....	4000	330	10 85	St. Louis.....	350,518	606	20 75
Perth.....	4000	248	6 05	St. Paul.....	41,473	918	25 50
Peterboro.....	8000	94	2 40	Washington.....	147,293	555	13 80
Toronto.....	130,000						

# HOTEL GUIDE FOR DOMINION OF CANADA

PLACE	PROPRIETOR.	Rate per day	BUS, ETC.
Barrie	Queen's Hotel (new)	A. W. Brown	\$1 50 Free.
Belleville, Ont.	Dafoe House	Huffman & Balkwell	1 25 to 1 50
Belleville, Ont.	Queen's Hotel	Sibbitt & Co.	1 00
Berlin	Commercial Hotel	J. S. Weaver	Sample r'ms.
Bowmanville, Ont.	Alma Hotel	W. B. McGaw	1 00
Brampton	Queen's Hotel	M. Deady	2 00 Free.
Brantford	Kerby House	J. C. Palmer	1 00 Union.
Brantford	American Hotel	A. T. Cutler, Prop.	1 00
Brighton	Snider House	J. Cutler, Man.	1 00
Brighton, Ont.	Clarke House	Peter Snider	Free.
Brockville	Grand Central Hotel	R. G. Clarke	Free.
Brockville, Ont.	St. Lawrence Hall	R. Williams	1 00 15 Cents.
Caledonia, Ont.	Union Hotel	Amos Robinson	1 00
Centreville, Ont.	Centreville House	E. T. Hind	Sample room
Chatham, Ont.	Garner House	Thos. Lavaque	1 50
Clinton, Ont.	Commercial Hotel	S. Perrin	1 00
Cobourg	The Arlington	Jas. Moore	1 00
Cobourg, Ont.	Horton House	W. B. Chamblis	1 50 Free.
Cobourg, Ont.	Dunham Hotel	S. E. McCartney	1 50 Free.
Collingwood	Central Hotel	M. B. Williams	1 50 Free.
Collingwood	Globe Hotel	Thos. Collins	1 50 Free.
Colborne, Ont.	Globe Hotel	J. Rowland	1 00 Free.
Dunnville, Ont.	Mansion House	H. Hicks	1 50 Free.
Dunnville, Ont.	Royal Hotel	Mrs. Pigeon	1 50 Union.
Durham, Ont.	Middaugh House	Jas. Moss	1 00 Free.
Elora, Ont.	Commercial Hotel	H. J. Middaugh	1 to 1 50 Free.
Farmersville, Ont.	Gamble House	T. Biggar	1 to 1 50
Farnham	American House	R. H. Gamble	1 00 Free.
Galt, Ont.	Imperial Hotel	Louis Labonte	1 00 Union.
Galt	Queen's Hotel	A. F. Cutler	1 50 to 2 00 Union.
Gananoque	International Hotel	C. Lowell	1 50 to 2 00
Halifax, N.S.	Halfax Hotel	D. Brophy	2 00 to 3 00
Halifax, N.S.	Queen's Hotel	H. Heslein & Co.	1 00 Free.
Harrison, Ont.	Collison House	M. J. Sherston	1 00 Free.
Harrison, Ont.	Bingham's Royal Hotel	John Collison	1 00 Free.
Hespeler	Commercial Hotel	J. R. Bingham	1 00
Kingston	British American	O. T. Baker	1 50 to 2 50 Union.
Kingston	Windsor Hotel	Arch. McFaul	1 50
Kingston, Ont.	City Hotel	Martin O'Brien	2 00 to 3 00 Union.
Lennoxville, P.Q.	College House	Jas. Jackson	1 00 to 1 50
London	Grigg House	A. Colby & Son	1 50
London	Tecumseh House	Sam'l Grigg	1 00
Lucknow, Ont.	Whitely House	McGaw & Winnett	1 00 Free.
Marieville, P.Q.	Marieville Hotel	R. J. Whitely	1 00 Free.
Meaford	Paul's Hotel	G. Poulin	1 50 Free.
Moncton, N.B.	The Brunswick	Mrs. Pacel	1 50 to 2 00 Free.
Montreal	Richelieu Hotel	G. McSweeney & Co.	1 50 to 2 50
Montreal	Windsor	Geo. D. Fuchs, Man.	3 to 3 50 25 Cents.
Montreal	St. Lawrence Hall	I. B. Durocher	(a)
Montreal	Albion Hotel	H. Hogan	(1) 1 50
Montreal, P.Q.	Low's Hotel	Stearns & Murray	1 00
Montreal, P.Q.	Kingston House	N. Chaffee	1 50 to 2 00
Montreal, P.Q.	New York House	T. H. Waddell	1 50 to 2 00
Montreal, P.Q.	Hotel Notre Dame	D. A. Melvin	1 50
Montreal, P.Q.	Waverley House	H. Desjordy & Co.	1 00
Montreal, P.Q.	Sydenham Hotel	M. O'Reilly	1 00
Montreal, P.Q.	Roya Coffee House	Mrs. Boyd	6 tick 1 00
Montreal	Toronto Hotel	R. Brown	1 00
Montreal	Sportsmen's Retreat	Wm. J. Carney	1 50
Montreal	Western House	F. Chapman	1 50
Morrisburg, Ont.	St. Lawrence Hall	J. J. McGannon & Bro.	1 50 Free.
Mount Forest	Queen's Hotel	W. Roberts	1 50
Niagara	Queen's Royal	McGaw & Winnett	1 50
Newcastle, Ont.	Windsor Hotel	R. Bennett & Son	Union.

# THE QUEEN'S HOTEL

## TORONTO

---

Strictly First-Class in all its Appointments

---

Celebrated for its home comforts, perfect quiet, excellent attendance, and the peculiar excellence of its cuisine. It has been patronized by their Royal Highnesses Prince Leopold and the Princess Louise, the Marquis of Lorne, Lord and Lady Dufferin, the Marquis and Marchioness of Lansdowne, and the best families. Is most delightfully situated near the Bay on Front Street, and is one of the largest and most comfortable hotels in the Dominion of Canada.

McGAW & WINNETT, PROPRIETORS

OPPOSITE PERMANENT EXHIBITION OF MANUFACTURES

---

# NEW-INVENTIONS DEPARTMENT

\*

In connection with our Permanent Exhibition we have a Special Department for the Sale and Display of Patented Inventions.

NICHOLLS & HOWLAND

PERMANENT EXHIBITION OF MANUFACTURES

63, 65, 67, 69 Front Street West

TORONTO, CANADA

Correspondence invited.

## HOTEL GUIDE—Continued

PLACE.	PROPRIATOR.	Rate per day	BUS, ETC.
Napanee	Brisco House	T. Empey & Sons	Sample r'ms.
Ogdensburg, N.Y.	DeLack House	Geo. DeLack	\$1 00 R. R. Sta.
Ottawa, Ont.	Windsor House	S. Daniels	2 00 25 Cents.
Ottawa	Russell House	I. A. Gouin	2 50 to 3 50
Ottawa	Royal Exchange Hotel	J. Johnson	Com. \$1 50
Ottawa	British Lion Hotel	H. Alexander	1 00
Ottawa	Dominion Hall	Geo. Simms	1 00
Ottawa	Wellington Hotel	Martin McDonald	
Ottawa	Argyle Hotel	Geo. Acres	
Ottawa	Occidental Hotel	M. Beauvais	1 00
Oshawa, Ont.	Central Hotel	Jas. Cochrane	1 to 1 50 Union.
Owen Sound	Coulson House	H. Crozier	1 50 Free.
Owen Sound	Queen's Hotel	Wm. Matthews	
Perth	Allan House	I. C. Grant	1 50
Pt. Levi, P. Q.	Montreal Hotel	G. McKibbin	1 00
Port Hope	Queen's Hotel	A. Adams	1 50 Free.
Pembroke	Copeland House	Thos. A. Mulligan	2 to 2 50
Prescott, Ont.	Daniels' Hotel	L. H. Daniels	
Prescott, Ont.	Bradley House	Mrs. J. Bradley	1 00 F'i-class.
Prescott, Ont.	Kyarr House	A. Ryan	1 to 1 50 Union.
Quebec	St. Louis Hotel	Willis Russell, Pres.	
Quebec	Mountain Hill House	E. Dion & Co.	(1) 2 00
Quebec	Henchey's Hotel	P. Henchey	1 50
Quebec, P.Q.	Blanchard's Hotel	Capt. N. Pelletier	1 to 1 50
Quebec, P.Q.	Albion Hotel	L. M. Blouin	1 50 to 2 50
Riviere du Loup	Larochelle Hotel	Edmond Taibot	1 to 2 50
Sackville, N.B.	Brunswick House	G. B. Estabrooks & Sons	
Seaforth	Commercial Hotel	John Campbell	1 50 Free.
Sherbrooke, P.Q.	Sherbrooke House	Cote & Meaghe	1 50 to 2 50
Simcoe, Ont.	Battersby House	John Dixon	
Sorel, P.Q.	The Brunswick	A. Beveau	
St. Catharines, Ont.	Welland House	Carroll & King	1, 1 50 & 2 Free.
St. Catharines, Ont.	International Hotel	P. W. Raymer	1 00 Union.
St. Hyacinthe, P.Q.	Hotel Yamaska	J. E. Perrault	
St. John's, P.Q.	St. John's Hotel	F. Monette	
St. John, N.B.	Hotel Dufferin	Fred. A. Jones	3 to 3 50
do.	Royal Hotel	Theo. T. Raymond	2 50 to 3
do.	Bangor House	R. Clark	1 to 1 50
do.	Ottawa Hotel	E. Cozman	1 25 to 1 75
do.	Brunswick Hotel	N. A. Parlee	1 50 to 2 00
do.	Queen's Hotel	J. Deckie	1 50 to 2 00
do.	Central Hotel	J. W. Roop	1 00 to 1 50
do.	Park Hotel	W. Conway	1 50 to 2 00
do.	Clifton House	A. N. Peters	
St. Thomas, Ont.	Hatchinson House	Alex. McBride	1 50 Union.
Statford	Commercial Hotel	T. Hagarty	1 to 2 00
Toronto	Queen's	McGaw & Winnett	
Toronto	Rossin House	Mark F. Irish	2 50 to 4
Toronto	Walker House	David Walker	2 00
Toronto	Windsor Hotel	B. White	1 to 1 50 Free.
Toronto	Revere House	J. J. Jamieson	1 to 1 50 Union.
Toronto	Shakespear Hotel	J. A. O'Grady	1 50 Union.
Toronto	Clarence Hotel	F. G. Richards, jr.	2 to 3 50 10 Cents.
Victoria, B.C.	Occidental Hotel	Joseph Bayley	1 to 1 50 Free.
Victoria, B.C.	Driard House	Redon & Hartnagel	
Victoria, B.C.	St. Nicholas Hotel	McCartney & Verner	1 to 1 50 Terms.
Victoria, B.C.	Windsor Hotel	Alex. McDonald	1 to 1 50 Free.
Victoria, B.C.	Brunswick Hotel	W. E. & Osterhout	1 to 1 50 Terms.
Waterford, Ont.	Commercial Hotel	H. F. Teeter	1 50 Terms.
Waterloo, Ont.	Beaman's Hotel	H. Zimmerman	
Waterloo, Ont.	Commercial Hotel	Jacob Seyler	
Welland, Ont.	Dexter House	E. Hoover	1 50 Free.
Whitby, Ont.	Ontario House	John Leslie	1 00 Union.
Windsor, Ont.	Great Western Hotel	G. W. Payne	1 to 1 50
Woodstock, Ont.	Commercial	John Forbes	1 to 1 50
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# Providence Steam Trap Co'y

(ESTABLISHED 1880)

MANUFACTURERS OF

## Newton's Patent Steam Trap

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Perfectly Automatic, and requires no Attention

This Trap is acknowledged by leading practical Engineers and Manufacturers to be the most simple, effective and durable Trap in the United States or Europe. It is perfectly free from the various troubles caused by expansion or contraction. No glands or stuffing boxes are required, and no compound cylinders or copper rods are used. The Trap repairs itself, needs no lubrication, and will last twenty years. The cover can be removed at any time and the working parts readily examined. When steam is turned off for the night, the cylinder sinks, and the apertures are ready for the passage of water when steam is turned on again. No valves have to be open to allow the escape of foul air, no pipes break, there is no delay on account of contraction or expansion, and the trap is always ready for its work. It is a perfect automatic steam trap, and does not require any lubrication or attention whatever.

At the higher pressure the trap acts even better than at the low pressure, but will work anywhere from one pound to one hundred and forty.

Manufacturers who are troubled with danger of water in the cylinders will find this trap valuable when attached to their main steam-pipe between the boiler and engine.

## DESCRIPTION

When the Trap is first set and the box filled with water to the outlet N, the copper cylinder C remains up, and the inlet A from the steam pipes is closed. The water in the box now enters the cylinder through the hole F, causing it to drop to position E, thereby opening the valve A, and letting the water from the pipes into the cylinder. The steam pressure follows this water and forces it out into the box through the tube D, and thence through the outlet N. The cylinder then rises and the process is repeated.

Trap Size	Capacity	Price
3/8 in. Trap	will drain 600 feet of 1 1/4 piping,	\$25 00
1/2 in. " " "	1,200 " " "	35 00
3/4 in. " " "	2,000 " " "	45 00
1 in. " " "	4,000 " " "	55 00
1 1/4 in. " " "	5,500 " " "	65 00

These Steam Traps are 1/4 inch larger than represented, except the 3/8 which is 1/2 inch.

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