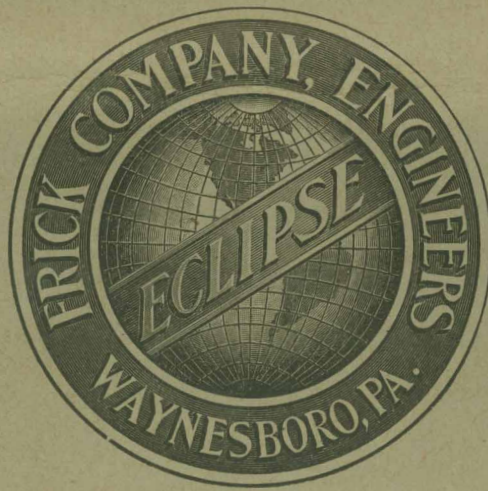
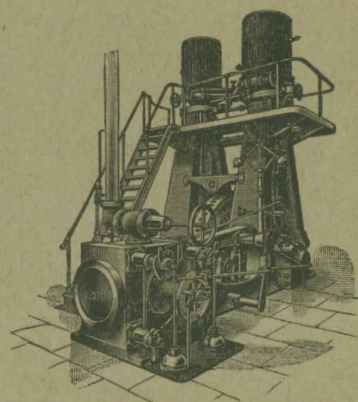
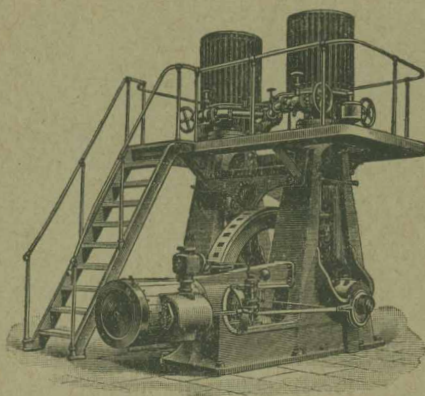


# FRICK COMPANY,



## ICE MAKING AND REFRIGERATING MACHINERY.

ANY SIZE REQUIRED BY THE TRADE.



OFFICE AND WORKS,

WAYNESBORO, PENNSYLVANIA.



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*Specifications*

*AND*

*Agreement.*

*FRICK COMPANY*

*AND*

*Provincetown Cold*

*Storage Comp.*

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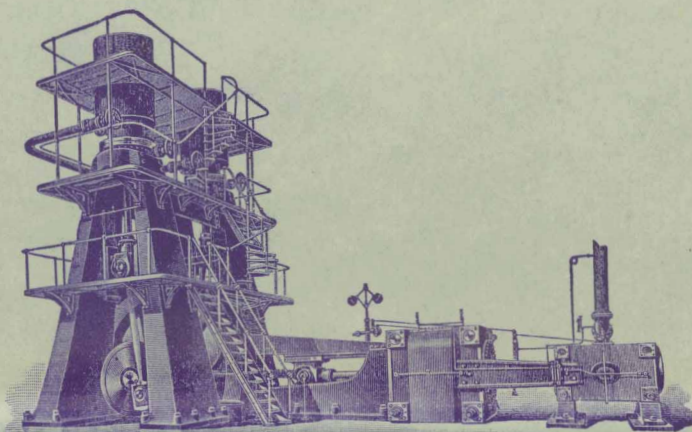
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Established 1853.  
Incorporated 1885.

M 598-1-1900-500

Capital . . . .  
. . . \$1,000,000



**FRICK COMPANY,**  
MANUFACTURERS OF  
**Ice Making and Refrigerating Machinery,**  
ALSO  
COMPLETE STEAM POWER PLANTS OF EVERY DESCRIPTION.  
**WORKS AND GENERAL OFFICE,**  
WAYNESBORO, FRANKLIN CO., PA.

BRANCH OFFICES:

New York City.	Philadelphia, Pa.	Pittsburg, Pa.
Cincinnati, Ohio.	St. Louis Mo.	New Orleans, La.
Dallas, Texas.	Johannesburg, South Africa.	City of Mexico, Mexico.
Atlanta, Ga.	Boston, Mass.	San Francisco, Cal.

SPECIFICATIONS.

*Boston, April 6<sup>th</sup>, 1900.*

To *Messrs Provincetown*

*Cold Storage Company,*

*Provincetown, Mass.*

We hereby propose to furnish you *one of our Standard Ten*  
*(10) Ton Ice making Plants & appurtenances.*  
in accordance with the following specifications:





**STEAM ENGINE.**

*One* Horizontal Steam Engine of our improved style with cylinder of *13* inches bore, *15* inches stroke. Cylinder to be lagged with iron, packed with mineral wool.

Valve gear to be of *Corliss* construction, and all parts of Valve Gear and Governor to be of the best workmanship and material. Steam stop valve and sight feed cylinder lubricator.

**GAS COMPRESSION PUMPS.**

*Two* Gas Pumps of our patented improved single acting type, with cylinders of *7* inches bore, *15* inches stroke, fitted with cooling jacket. Pumps fitted with special ammonia stop valves, with main pipe connections between the two gas pumps. Latest improved stuffing boxes. Hand pump provided for lubricating pump cylinder and stuffing box. One duplicate set of pump valves. Special by-pass valves and pipes on machine between pumps, enabling charge of ammonia to be drawn from one part of pipe system and stored in another part.

**MAIN SHAFT.**

Main shaft of best forged and hammered wrought iron, *6 1/2* inches in diameter.

**FLY WHEEL.**

*Two* Fly wheels *5* feet in diameter, to weigh about *4000* pounds.

**DETAILS.**

Connecting Rods and all small parts of steel. Oil cups and oiling attachments for continuous running. Steel piston rods. Pump frames of our standard upright style. Reciprocating parts driven direct from main engine shaft. Piston with metallic packing. All wearing and bearing surfaces fitted with automatic oilers. Machine to be complete as usually furnished by us. *Revolutions of machine to be 80 per minute.*

**AMMONIA GAUGES.**

One set of ammonia pressure gauges, one high pressure and one low pressure, set in ornamental frame.

**PLANS, FOUNDATION TEMPLATE AND BOLTS.**

Complete plans to be furnished for foundations and for erecting the apparatus to suit the premises. Foundation bolts with anchor washers and template for setting same.

**WRENCHES AND SMALL TOOLS.**

One set of wrenches and small tools for taking machine apart for examination or to make adjustments of any part of engine and pumps.

**FINISH AND PAINTING.**

All parts of the machine that are machine tooled will generally be finely polished. After machine is erected upon its foundation *FRICK COMPANY* will tastefully paint and varnish the same.

**GUARANTEE OF DUTY FOR MACHINE.**

Frick Company hereby guarantee the Machine, consisting of the herein described engine and gas pumps, under test, to give a duty equal to the *Making* of *10* tons of ice in twenty-four hours, with an expenditure not to exceed *2450 lbs* gross tons of best steam coal in twenty-four hours. The steam consumption of engine to be taken from indicator cards, and the coal consumption figured upon a basis of an evaporation of 10 pounds of water into steam from and at 212° Fahr. to one pound of coal. Fuel in all cases to be of the best quality, and allowances to be made for non-combustible. In case of wood being used, one hundred pounds of wood shall be regarded as equal to forty pounds of best coal. *This above coal consumption is only for operating compressors.*

**AMMONIA CONDENSERS.**

To be of our improved *Atmospheric* style and to consist of *2* coils of *2" extra* heavy pipe. Each coil to contain about *480* feet, and to be provided with needed valves, headers and water distributing devices. Purchaser to furnish suitable water-tight floor or pan with needed drains.

**AMMONIA RECEIVER AND OIL SEPARATOR.**

One Ammonia Receiver and one Oil Separator of our latest improved style.

**AMMONIA PIPE, VALVES, CONNECTIONS AND FITTINGS.**

All ammonia pipe and fittings needed to connect the compressor pumps with the Condenser and Receiver.

**LIQUID ANHYDROUS AMMONIA.**

The ammonia pipe system and receiver to be properly charged with pure liquid anhydrous ammonia, supplied by and at the expense of *FRICK COMPANY*.

**CONDENSING WATER.**

The purchaser hereby agree to supply needed water at all times.

**GUARANTEE OF CONDENSER CAPACITY.**

Frick Company guarantee the above Ammonia condenser to have a capacity of *Ten* tons *Ice making* with water at 75° Fahr.





**STEAM BOILER.**

**FRICK COMPANY.** to furnish one horizontal return tubular steam boiler of 50 H. P. total capacity, of the following dimensions, with shell 54 inches in diameter, 12 feet long, containing 70 best lap welded tubes, 3 inches in diameter, 12 feet long.

Two nozzles to be put in top of boiler shell, one at each end, for steam and safety valve connections, man-hole with plate and guard to be put in front boiler head above and below tubes, if boiler is of sufficient size to allow same; also one to be put in top of shell between the nozzles.

Shell and Heads of Boiler made of best flange steel stamped 55,000 T. S. Shell 3/16" thick. Heads 7/16" thick. Longitudinal seams, double riveted. Boiler tested and made tight under hydrostatic pressure of 150 pounds per square inch. Heavy cast iron brackets securely riveted to each side of boiler.

All workmanship, bracing and staying of the best throughout.

**MOUNTINGS AND CASTINGS.**

Boiler to be fitted with full flush front, fixtures and mountings which are necessary for setting boiler except masonry.

**SMOKE STACK.**

Purchasers to furnish and erect 40 feet of smoke stack — inches in diameter, made in Nos. — and — iron, with damper and guy rods, with each boiler. Purchaser furnishing and erecting guy posts or anchors.

**STEAM FEED PUMP.**

**FRICK COMPANY.** to furnish Steam Feed Pump, size 5 1/4" x 4 3/4" x 5"

**FEED WATER HEATER.**

**FRICK COMPANY.** to furnish Feed Water Heater of 125 H. P. capacity. Worthington make

**STEAM, EXHAUST PIPES, ETC.**

**FRICK COMPANY.** to furnish and erect steam, exhaust, water, feed, blow off, drip, and supply pipe connections with valves and fittings needed to connect and make ready for operation the herein described Boiler System, in connection with the other portions of the plant.

**GUARANTEE.**

Frick Company guarantee above Boiler Plant, to be ample in size to operate machinery herein named, or to furnish 10 tons of steam for distilled water each 24 hours.

We will make Boiler Steam Pipe cross-connections and distilled water cross connections to our system. You to furnish all necessary pipes, valves and fittings. Frick Company to furnish one exhaust Stop valve on Corliss Engine, all pumps and Agitator Engine





**FREEZING TANK.**

**FRICK COMPANY.** to furnish *one* freezing tank made of tank steel  $\frac{1}{4}$  inch thick, to be *27* feet long, *17' 6"* feet wide, *48* inches high, properly riveted, caulked and strengthened with angle iron.

**EVAPORATING COILS AND CANS IN TANK.**

**FRICK COMPANY.** to furnish needed feet of evaporating coils of  $\frac{1}{4}$  inch *extra heavy* ammonia pipe complete with stands, expansion valves, headers, couplers, and fittings complete.

Said coils to be fitted to freezing tank and so arranged that *143* cans (size) *11" x 22" x 45"* can be placed therein.

**FRICK COMPANY.** to furnish needed ammonia connections between said coils and suction of machine and between coils and Ammonia Receiver.

**WOOD FRAMEWORK AND COVERS.**

**FRICK COMPANY.** to furnish suitable wood framework to fit the top of tank, and to be arranged to receive cans, also a wooden cover for each can. Framework and cover to be made of oak lumber.

**FREEZING CANS.**

**FRICK COMPANY.** to furnish *143* galvanized iron freezing cans, size *11" x 22" x 45"* Weight of cans to be about *70* pounds each, and to have a capacity to make a block of ice to weigh about *300* pounds. All cans riveted, soldered, and made water-tight.

**BRINE AGITATOR.**

**FRICK COMPANY.** to furnish *one Engine 4 1/2" x 7"* for circulating brine in freezing tank, with necessary distributing pipes, bulk heads, or partitions inside tank.

**INSULATION OF TANK AND FLOORING.**

Purchaser to furnish foundation and tank floor and to properly insulate and furnish wood curbing for freezing tank and storage tank.

**HOIST, CRANE, CAN LIFTER AND THAWING APPARATUS.**

**FRICK COMPANY.** to furnish *one* geared hand hoist and traveling crane, with ironwork for same complete. Purchaser to furnish and erect woodwork or ironwork on which crane tracks will be placed by **FRICK COMPANY.**

**FRICK COMPANY.** to furnish thawing apparatus of size suitable for can used.

**AMMONIA TO CHARGE.**

**FRICK COMPANY.** to furnish needed ammonia to charge system.

**BRINE MATERIAL.**

**FRICK COMPANY.** to furnish needed tons of salt to make brine solution in tank of 86 per cent. density salt scale.

**GUARANTEE OF PERFORMANCE.**

Frick Company guarantee the above Freezing System to have a capacity to make *10* tons of merchantable ice per day of twenty-four hours in midsummer, when run continuously and properly insulated and operated.





## EXHAUST STEAM DISTILLING AND PURIFYING APPARATUS.

FRICK COMPANY.

.....to furnish and erect the following apparatus for utilizing exhaust steam to make distilled water for filling ice cans.

*One* improved grease extractor to suit exhaust pipe.

*One* back pressure exhaust valve to suit exhaust pipe.

*One* improved exhaust steam condenser with needed water distributing devices.

*One* distilled water pump with float tank and float. *3' x 2 3/4" x 4" Northington make*

*One* reboiling tank with steam coil.

*One* patent regulating and skimming device.

*One* cooling coil.

*Two* distilled water filters with full charge of filtering material.

*One* storage tank with ammonia coil.

*One* automatic can filler with needed feet of  $1\frac{1}{4}$ " four-ply hose.

The pipe connections for conveying the exhaust steam and the distilled water in the above apparatus to be galvanized and to be furnished by FRICK COMPANY.

## GUARANTEE.

Frick Company guarantee the above distilling apparatus to be capable of condensing and purifying *10* tons of steam in twenty-four hours, with water at  $85^{\circ}$ , provided said steam is capable of purification by ordinary distillation without resorting to other special treatment, in which case purchaser agree to furnish and erect needed special apparatus. It being understood that said apparatus shall be operated properly and continuously.





Room Piping.

ROOM PIPING.

FRICK COMPANY. to furnish and erect piping for the circulation of Ammonia in the rooms and apartments of dimensions or space as given below.

Pipes, mains, valves, and fittings to be of sufficient quality and quantity to connect with the other portions of the plant and to be so arranged that with proper handling the rooms can be kept in accordance with guarantee.

No.	NAME OF ROOMS.	DIMENSIONS.			CUBIC FEET.	TEMP.
		L.	W.	H.		
1	One Ice Storage Room	31'	21'	10'	6510	32° F
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
Total Cubic Feet, 6510						

GUARANTEE OF TEMPERATURES AND PERFORMANCE.

Frick Company guarantee that the above piping, when in full operation, will cool the rooms and apartments, cellars, and spaces (number and dimensions as given above), and aggregating in the sum total of 6510 cubic feet space, each apartment in detail as above, the cubic space and the required temperatures being set opposite each room, if such temperatures are needed for the safe conduct of the business of Provincetown Cold Storage Company

Provided, in all cases the above rooms are properly insulated and used with proper care.





**ERECTION OF MACHINERY.**

Frick Company to furnish one competent Erecting Engineer to superintend the erection. Purchaser S to furnish one Engineer to assist in erecting and putting machinery together and to receive instructions in running the machinery.

**FRICK COMPANY.** will furnish all other needed skilled and common labor to erect the herein specified machinery.

Purchaser S to supply lights and temporary blocking or timbers needed in the erection of the work.

**TOOLS AND TOOL ROOM.**

**FRICK COMPANY.** will furnish for erecting purposes only, suitable rigging tools, consisting of such tackles, levers, rollers, hoisting windlasses, chain hoists, ropes, slings, jackscrews, and appliances usually called into play in the erection of heavy machinery.

**FRICK COMPANY.** will furnish all pipe-cutting tools for use during erection only, and if furnished by Frick Company, to be returned to them in good order upon completion of the work.

Purchaser S to allow Frick Company the free and exclusive use of some suitable room as storage-room for tools and work shop until plant is accepted.

**MASONRY, CARPENTER-WORK, BUILDINGS.**

Purchaser S will furnish and erect at *their* own expense all foundation-work, masonry and carpenter-work, furnishing suitable materials therefor, and properly prepare approved buildings or make necessary changes in present buildings, to receive the herein specified machinery, and hereby agree to have buildings ready for the reception of the machinery on or before the *9th day of June 1900.*

**STEAM, EXHAUST, SUNDRY PIPING, ETC.**

**FRICK COMPANY.** will furnish and erect all steam and exhaust pipe connections to connect boilers, engine and steam pumps.

The Purchaser S agree to do all needed piping covering and to supply fresh water to condenser supply tank and necessary pipes, also sewers and drains where needed, and have same ready for use when required, without delaying Frick Company's work.

**GUARANTEE OF WORKMANSHIP, CONSTRUCTION AND MATERIAL.**

Frick Company guarantee workmanship and materials for one year (natural wear, tear and accident excepted), provided no disarrangement is caused by carelessness, incompetency, or want of attention of persons in charge, and if run in a proper manner and according to our instructions.

Frick Company reserve the right to change the construction and design of this machinery in details, if in their judgment it is to their own and purchaser's best interest, and does not interfere with results.





**MACHINERY NOT SPECIFIED.**

Machinery not specified herein to be furnished in all cases by purchaser S.

**ACCESS TO PREMISES.**

The purchaser S agree to permit and give Frick Company, their agents and workmen, free access to such parts of the premises where work is to be done at all times during the erection and operation of the plant, until its completion and acceptance.

**PATENTS.**

Frick Company agree and authorize and permit the purchaser S to operate the machinery and apparatus when placed in their premises; together with the several parts incidental thereto, which are secured to and controlled by Frick Company, by Letters Patent, free from any royalty over and above the purchase-money herein specified.

Frick Company guarantee their machinery not to interfere with or infringe upon the Patents of others, and will defend and bear all expense of Patent litigation relating to their machinery, should any be attempted, holding the purchaser S free and harmless.

**CASH ADVANCES.**

The purchaser S agree to make all cash advances, such as freight and trucking on material belonging to the plant, wages for skilled men and labor, and such other disbursements as otherwise would have to be made by Frick Company in connection with the erection and installation of the plant herein specified. Any sum so advanced shall be deducted from the second payment at the time it becomes due.

**PLANS, INSTRUCTIONS AND TEST.**

It is agreed that any interference of the purchaser S with Frick Company's instructions and plans, before full acceptance of the machinery, by making changes without said Company's written consent, by adding extra work upon machinery, or by substituting other work than that specified in the contract, shall constitute a full acceptance by the purchaser S, and a waiver of all claims against the Frick Company, and bind the purchaser to immediately settle and make payment, according to the terms specified herein.

Frick Company during erection and test to have entire charge of plant, the purchaser S hereby agreeing to employ careful and competent Engineers to operate the Refrigerating Machine and entire plant, according to Frick Company's instructions.

It is further agreed, that should any delays be occasioned by the purchaser S not having such work of preparation ready to receive the machinery or other work, as herein contracted, or a failure on their part to have everything in readiness for a full and complete test of the apparatus furnished by Frick Company, that the loss of time of Frick Company's men, and all other expenses occasioned Frick Company during such delay, shall be borne by the purchaser S and credited to our account, and if the causes of the delays are of such a nature as to postpone the trial of machinery, beyond 30 days, to waive the privilege of a test and to settle promptly, the same as if a test had been made.

The limit of time which Frick Company's Engineer is to remain with the Machine for the purpose of instructing your man to be 30 days from date of erection of Machine ready to be charged, and if detained through no fault of Frick Company, the purchaser to pay for his services, after this time, at the rate of \$5.00 per day and all expenses and the purchaser S agree at all times, when required for testing machinery, to furnish needed Engineers, firemen, fuel, steam, water, oil, waste, light, and other incidentals, the same as if operating the apparatus for their own use regularly, and at all times to render friendly and needed assistance and arrange, so far as lies in their power, to facilitate the erection.

**FAILURE OF PERFORMANCE.**

It is agreed that in case the purchaser S shall in writing notify the Frick Company, within thirty days after the plant hereinbefore contracted for is erected ready to work, that it does not perform according to contract, specifying in what said failure consists, the Frick Company shall attempt to make good any such defect that may be found to exist, but that in case it appears that it is beyond the power of said Frick Company to make the said plant perform according to contract (within a reasonable time), then the Frick Company shall have the privilege of removing their machinery or complete plant, at any time they may elect after thirty days' notice, at no expense to purchaser S, they having refunded all money paid on same.





**VERBAL UNDERSTANDING.**

There is no verbal or other understanding outside of this specification and contract as written and printed.

**ACCEPTANCE AND SETTLEMENT.**

The purchaser agrees to accept and settle for this plant or machinery according to the terms of sale, when it has been shown by test, or otherwise, that the machinery is capable of performing according to contract.

And it is further agreed that the use of said machinery and plant by the said purchaser for thirty days after it is erected ready to do work, without notifying the Frick Company in writing of any claim that it does not perform according to contract, specifying in what particular it fails, shall in itself be considered an acceptance by the purchaser of said machinery, and a waiver of any claim whatever that it does not so perform, or for any damages for the same.

*There will be no extra charges by Frick Company without an order given by Purchasers.*





## AGREEMENT

Between the Frick Company, a corporation organized under the laws of the State of Pennsylvania, of Waynesboro, Franklin County, Pennsylvania, U. S. A., party of the first part, and *Messrs Provincetown Cold Storage Company* of *Provincetown* County of *Barnstable* State of *Massachusetts*, part *y* of the second part, as follows:

The Frick Company agrees to furnish the said part *y* of the second part for use in *this Buildings*, situated in the *Town* of *Provincetown* County of *Barnstable*, and State of *Massachusetts* at No. *Commercial* Street, *one* <sup>*See making*</sup> Eclipse Refrigerating Machine of the standard "Eclipse" style and patented system, together with the apparatus mentioned and described in the attached specifications; said machine and apparatus to be in all respects in accordance with said specifications, which, together with all the agreements and guarantees contained therein, are made a part of this agreement.

The land upon which said machine and apparatus are to be erected is described as follows:

*\_\_\_\_\_* feet front on *\_\_\_\_\_* side of *\_\_\_\_\_* Street, and extending back in a *\_\_\_\_\_* direction *\_\_\_\_\_* feet to *\_\_\_\_\_* and bounded on the *\_\_\_\_\_* by *\_\_\_\_\_* and on the *\_\_\_\_\_* by *\_\_\_\_\_*

The Frick Company agrees to deliver said Machine and apparatus *erect same and have same in running order the fifteenth day of July 1900.*

The said part *y* of the second part agrees to pay for the said Machine and Apparatus the sum of *Eight Thousand eight hundred and twenty five* Dollars, (\$ *8825.00*) as follows, to wit:—  
*Two Thousand two hundred and twenty five Dollars (\$2225.00) when erected, ready to operate*  
*Two Thousand and two hundred Dollars (\$2200.00) after 30 days test and at the same time one note of Four Thousand and four hundred Dollars (\$4400.00) payable after 90 days test, bearing no interest.*





Settlement to be fully completed at expiration of thirty days' test; all deferred payments to be evidenced by negotiable notes, bearing interest at none per centum, ~~and secured by first mortgage on entire plant, including the land, buildings, machinery,~~

The title of said Machine and Apparatus shall not pass from, but shall remain in the Frick Company until full settlement is made for the same, until the same is fully paid for, and in the meantime the party of the second part agrees to fully indemnify the Frick Company against any and all loss or damage to said Machine and Apparatus by fire or other cause whatsoever, and also agree to keep the same fully insured for the benefit of Frick Company, as its interest may appear, until fully paid for.

In case of failure or refusal to make any of the payments when due, or to make settlement as agreed, or to pay any note that may be given when it falls due, the whole of the unpaid indebtedness arising under this agreement shall thereby, at the option of the Frick Company, become immediately due and demandable.

All agreements, of either party, as to the time of completion of the whole, or any part, of the work under this contract, are contingent upon strikes, accidents, delays of carriers, and other delays occurring without fault of the party sought to be charged therewith or from causes beyond his control.

This order or contract is subject to the approval or acceptance of the Frick Company, at its Home Office, Waynesboro, Pa.

Witness the following signatures and seals, the 23<sup>rd</sup> day of April, 1900

FRICK COMPANY,

BOSTON OFFICE:  
28 SCHOOL ST.,  
ROOM 53.

By Arthur Meltzer

SEAL.

SEAL.

SEAL.

SEAL.

SEAL.

Approved by Frick Company, at its Home Office, Waynesboro, Pa., the 24<sup>th</sup> day of

April, 1900

FRICK COMPANY,

By S. B. Purchas Prest.

Eyre Frick Secy.

