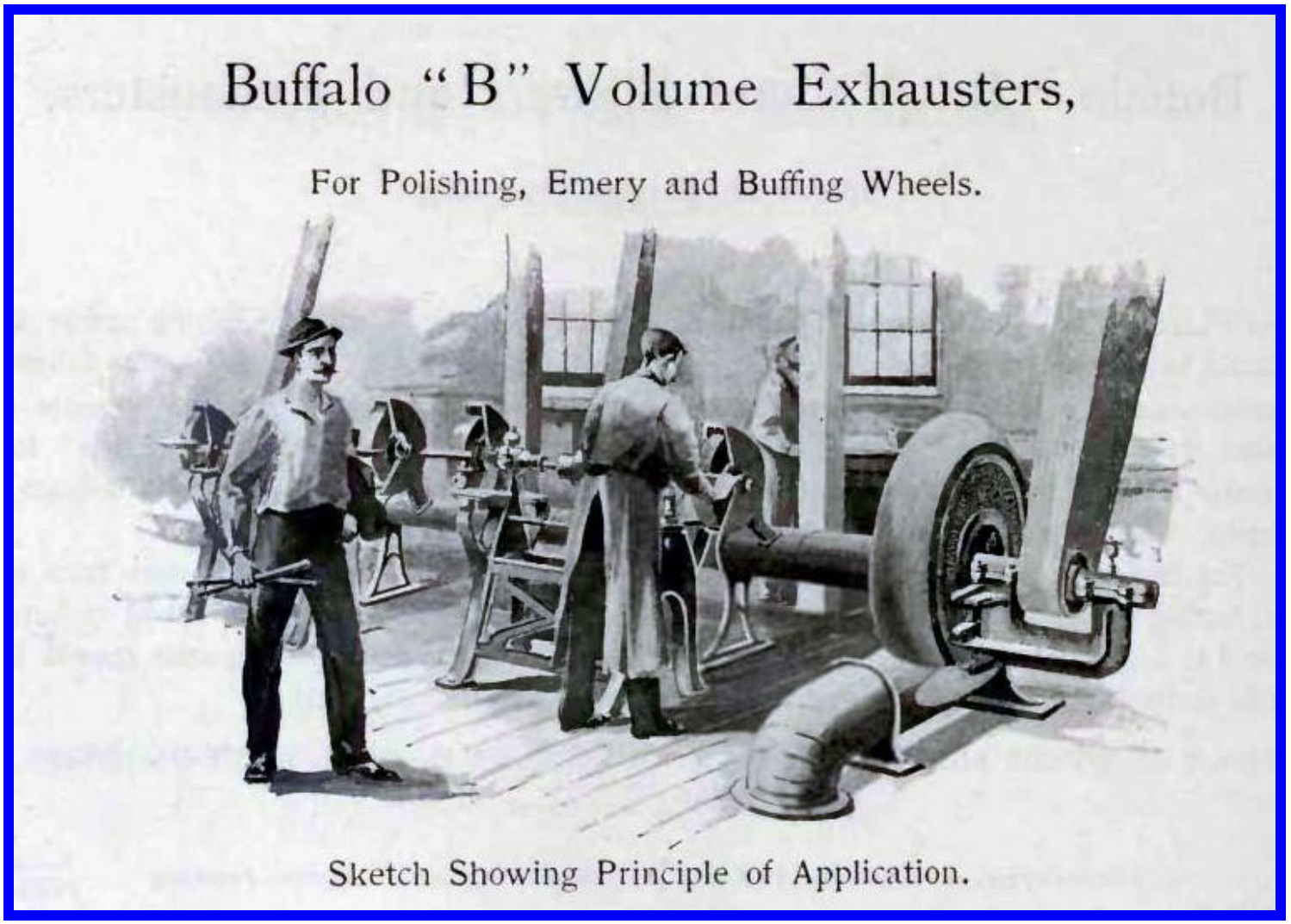
BUFFALO FORGE COMPANY PART-2
Buffalo, New York
Extracts from General Catalogue of 1896

Centrifugal Fans & Systems



The Buffalo Forge Company

"In 1878, Charles F. Brunke and Chas. Hammelman, partner, began the manufacture of the portable forge originated by Mr. Hammelman. After a year of disappointments, the two partners sold Mr. W.F. Wendt, then a bookkeeper in his early twenties, a half interest in this apparently hopeless business. The first little shop was located on the fifth floor of a very humble building located at Washington and Perry Streets, Buffalo."[85] But it was not until 1884 that the company began to manufacture heating and ventilating equipment. Although they continued to make forge equipment, the manufacture of heating and ventilating equipment proved to be very profitable for them. Immediately after the turn of century, in 1903, the company acquired the George L. Squier Manufacturing Company and the Buffalo Steam Pump Company and the business continued to grow throughout the twentieth century. For a number of years, Willis Carrier was an engineer for the company, where he developed the idea of washing air with water sprays (a concept originally introduced by Reid in the 1820s).

1896

· · · ILLUSTRATED · · ·

GENERAL CATALOGUE

OF

THE BUFFALO

Horizontal and Upright Steam Engines,
Mechanical Draft Fans and Apparatus,
Steel Plate Steam and Pulley Fans,
Fan System of Heating, Ventilating and Drying,
Disk Ventilating Fans,
Blowers and Exhausters,
Manual Training School Outfits,
Hand and Power Blacksmith Drills,
Punch, Shear and Bar Cutters,
Tire Upsetters, Blacksmith Tools, Etc.,
Blacksmith Hand Blowers,
Stationary, Portable and Heating Forges.

· · · ·

BUFFALO FORGE CO.

REGISTERED CABLE ADDRESS, "*FORGE.*"
LONG DISTANCE TELEPHONE SERVICE.

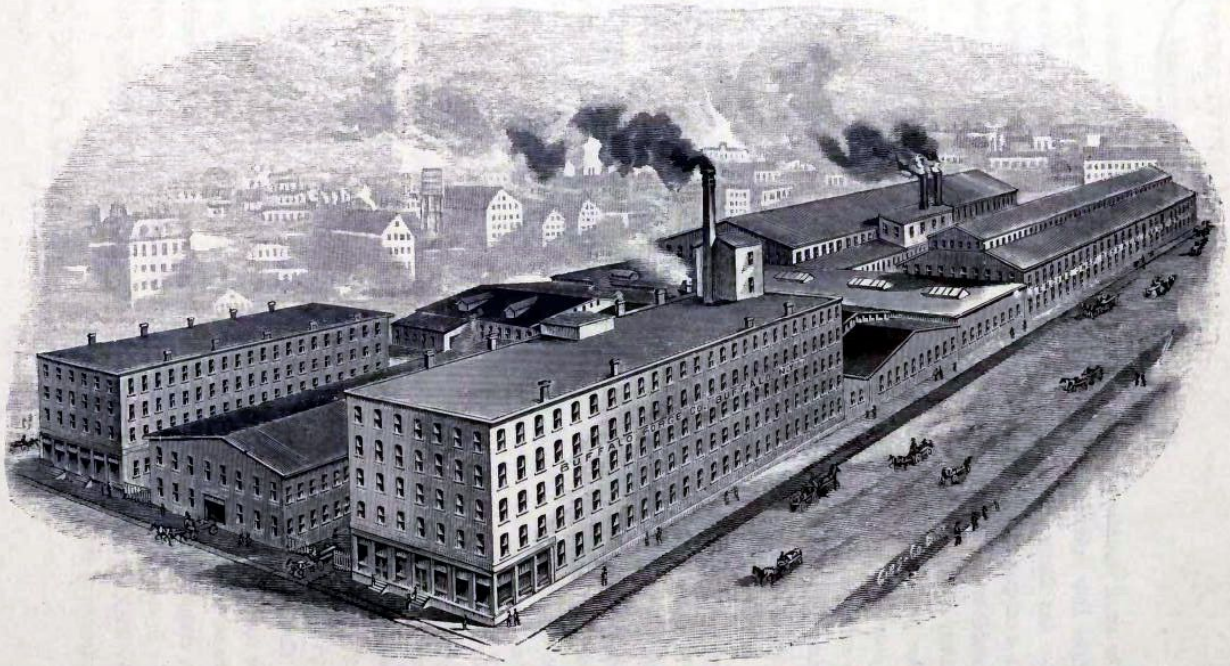
BUFFALO, N. Y., U. S. A.

· · · ·

BRANCH STORES AND OFFICES: { NEW YORK, PHILADELPHIA, CHICAGO, LONDON, ST. PETERSBURG, PARIS.

View of Buffalo Forge Company's Works,

BUFFALO, N. Y., U. S. A.

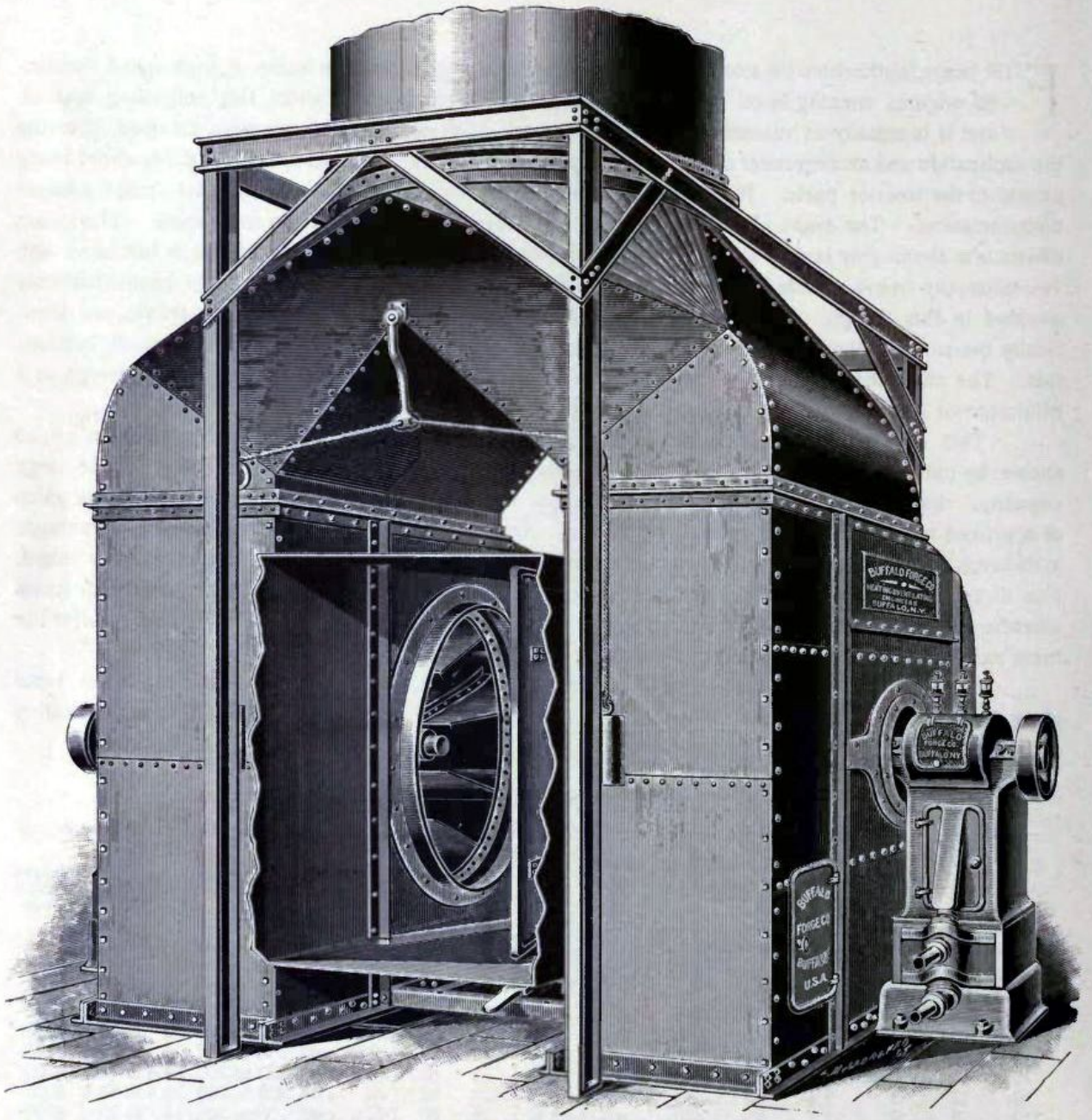


Located in the Central Part of the City.

Plant Occupies the Full Square, Bounded by Broadway, Mortimer, Tousey and Champlin Streets.

Buffalo Steel Plate Steam Fan,

Duplex Type, for Mechanical Draft.

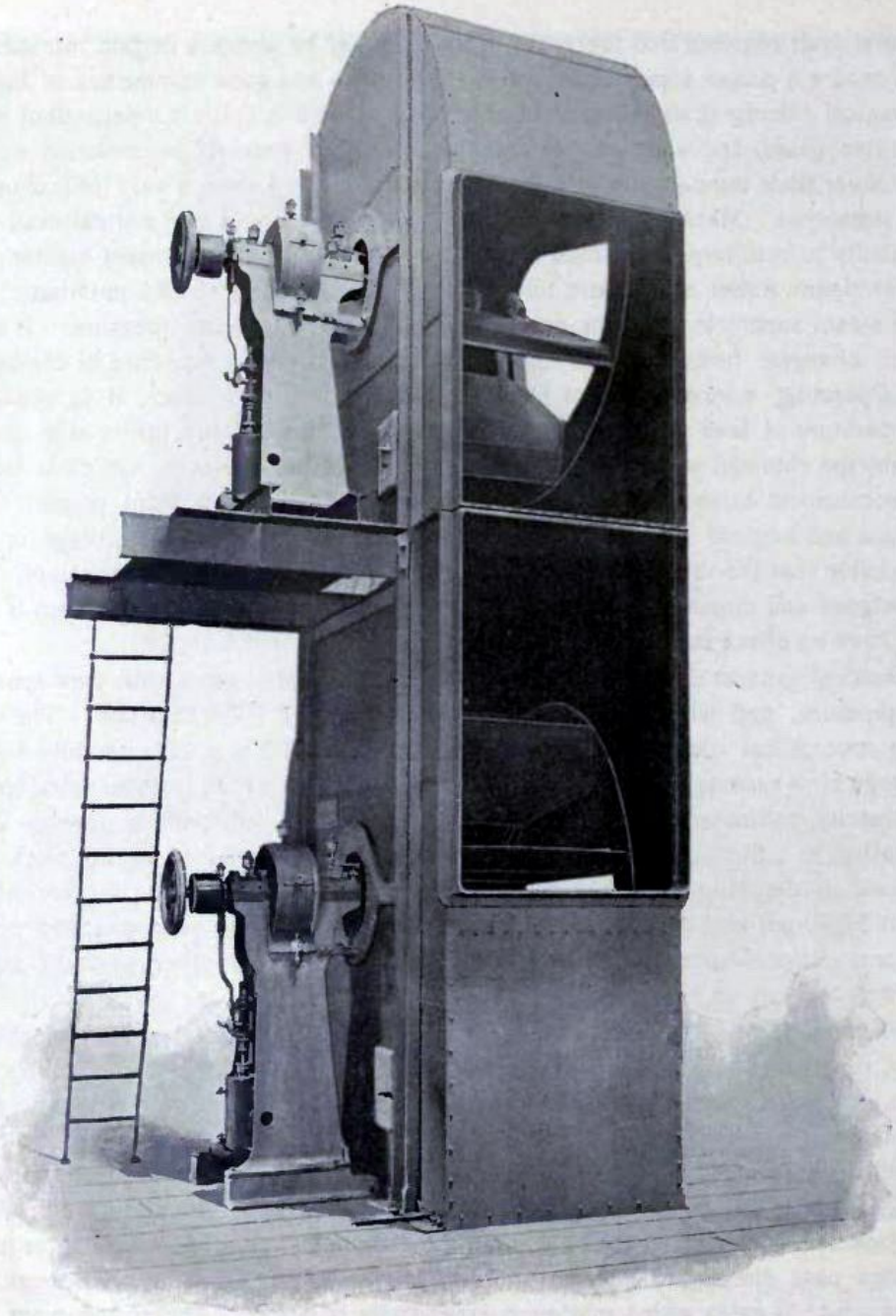


Double Enclosed Upright Engines, Cylinders Beneath the Shafts, Right and Left-hand Up-blast Fans, with Overhung Wheels and Water-cooling Bearings.

Buffalo Steel Plate Steam Fan,

Patented Nov. 5, 1895.

Double Type, for Mechanical Draft.



Single Engines, Left Hand Fans, Bottom and Top Horizontal Discharge, Overhung Wheels and Water-cooling Bearings.

Buffalo Steel Plate Steam Fan,

Double Type for Mechanical Draft.

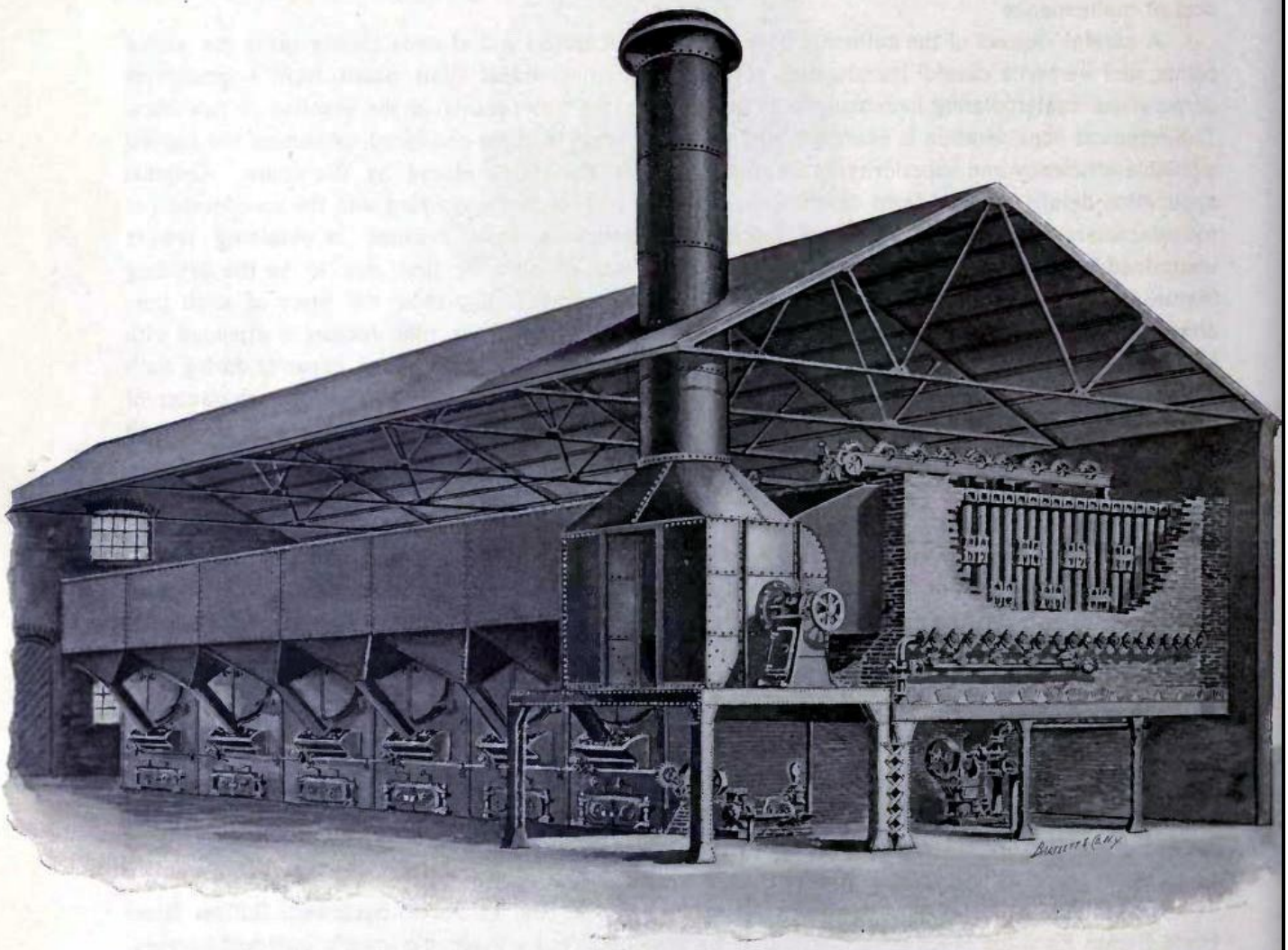
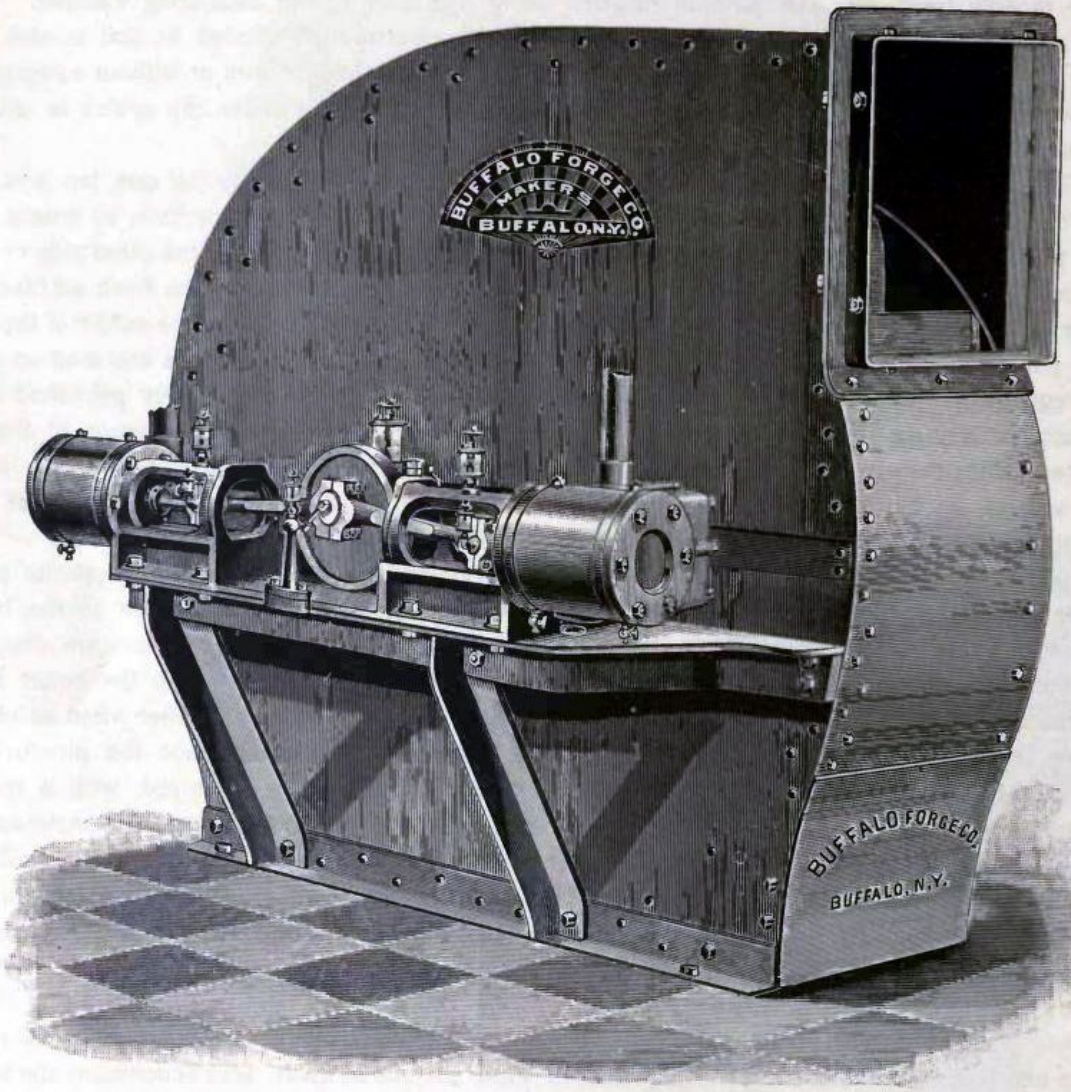


Illustration of a Complete Steam Plant, with Economizers, Stokers, Boilers, etc. Engines Double Upright Enclosed, Right and Left Hand Up-blast Discharge Fans, with Overhung Wheels and Water-cooling Bearings.

Buffalo Steel Plate Steam Fan,

Double Horizontal Engine.

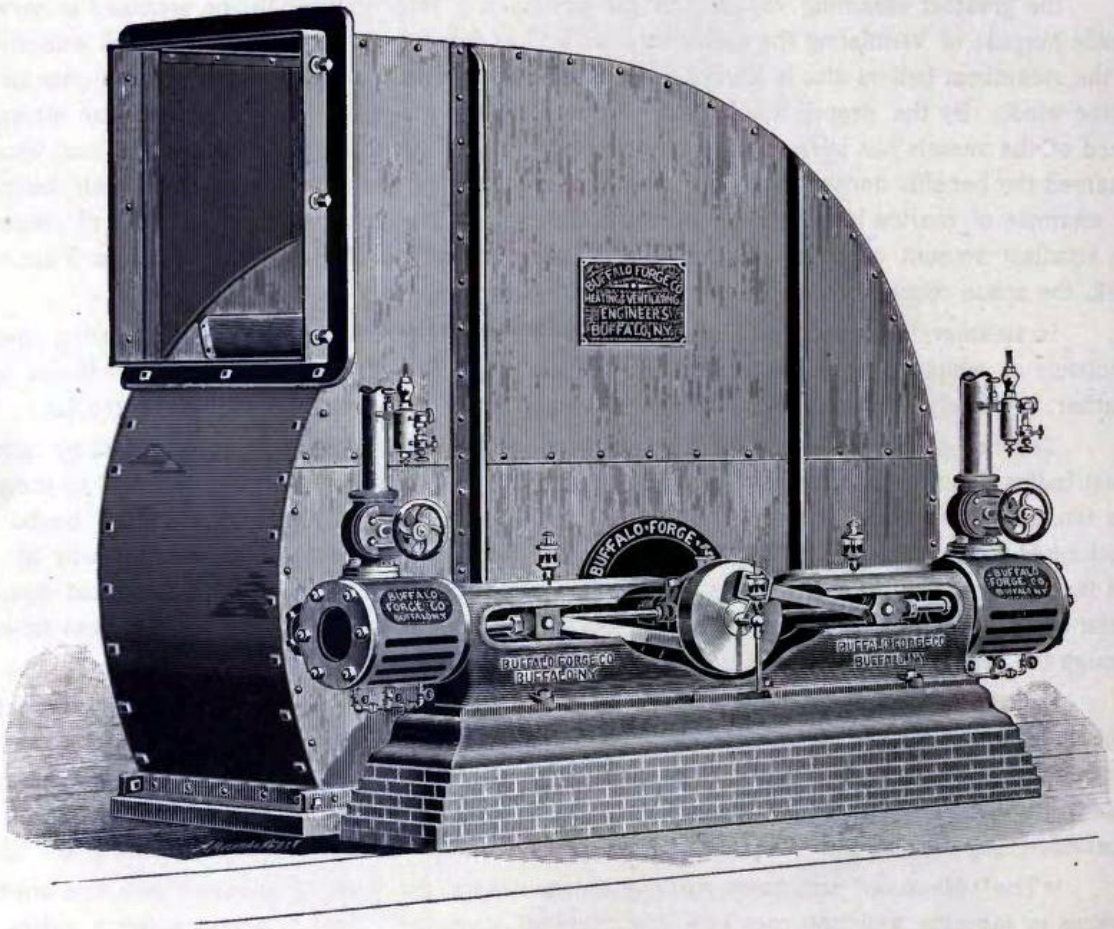


Fan Left Hand Top Horizontal Discharge. For Mechanical Draft,

Ship Ventilation, Etc.

Buffalo Steel Plate Steam Fan,

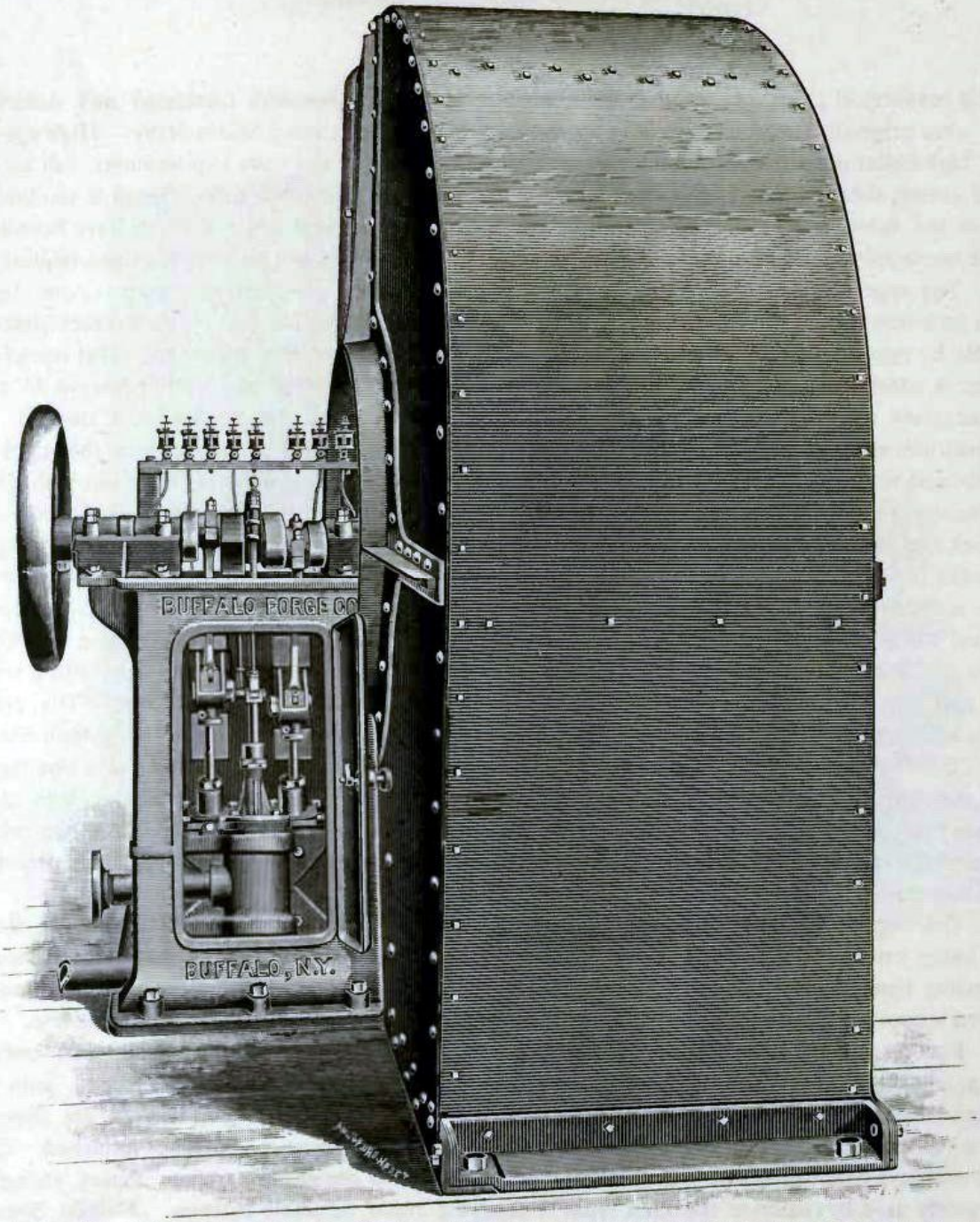
Double Horizontal Engine (One in Reserve).



Fan Three-quarter Housing Type, Right Hand Top Horizontal Discharge. For Mechanical Draft, Ship Ventilation, Etc.

Buffalo Steel Plate Steam Fan,

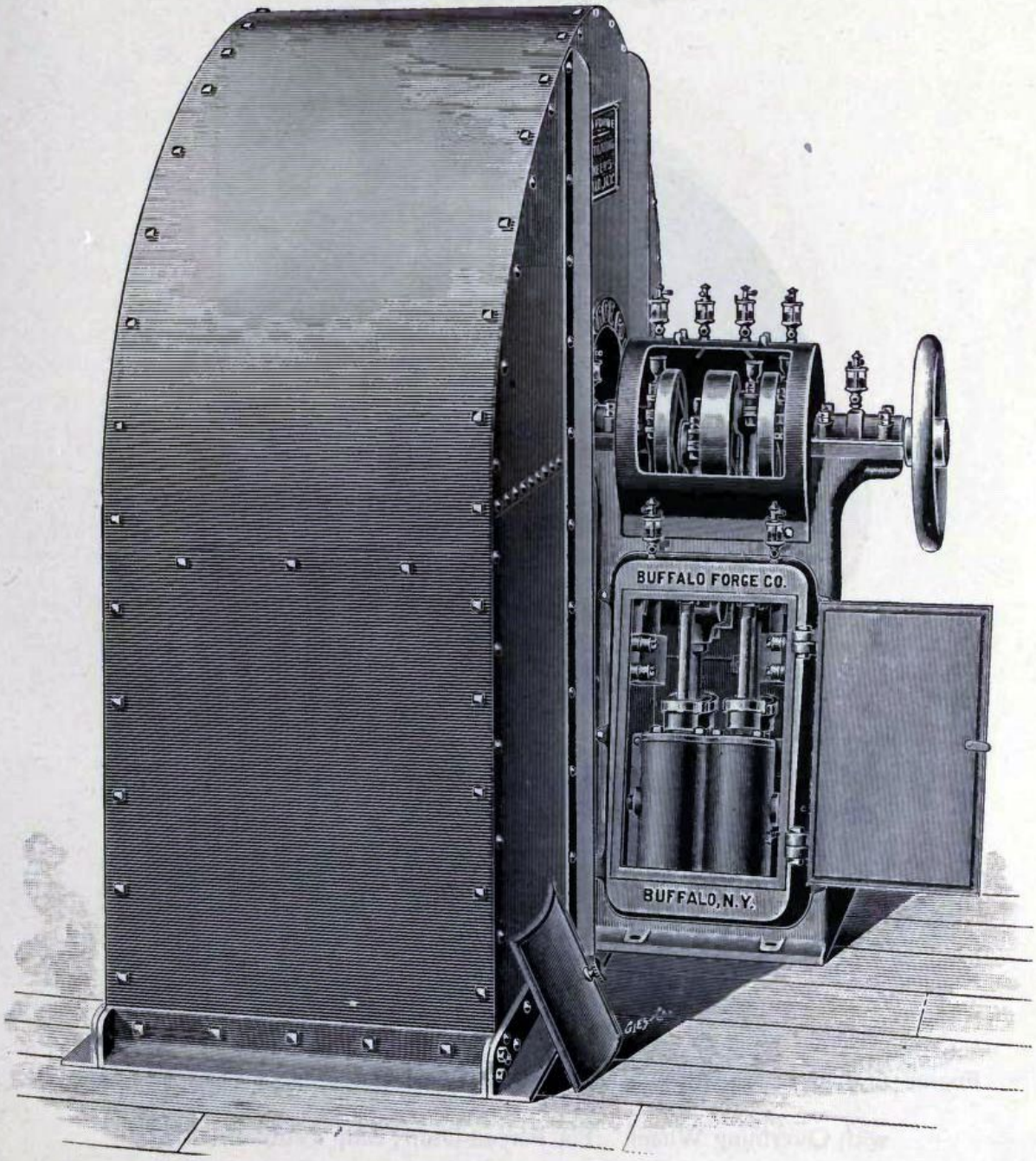
Double Upright Engine.



Engine Cylinders Beneath the Shaft. Fan Right Hand Top Horizontal Discharge, with Overhung Wheel. For Mechanical Draft, Ship Ventilation, Etc.

Buffalo Steel Plate Steam Fan,

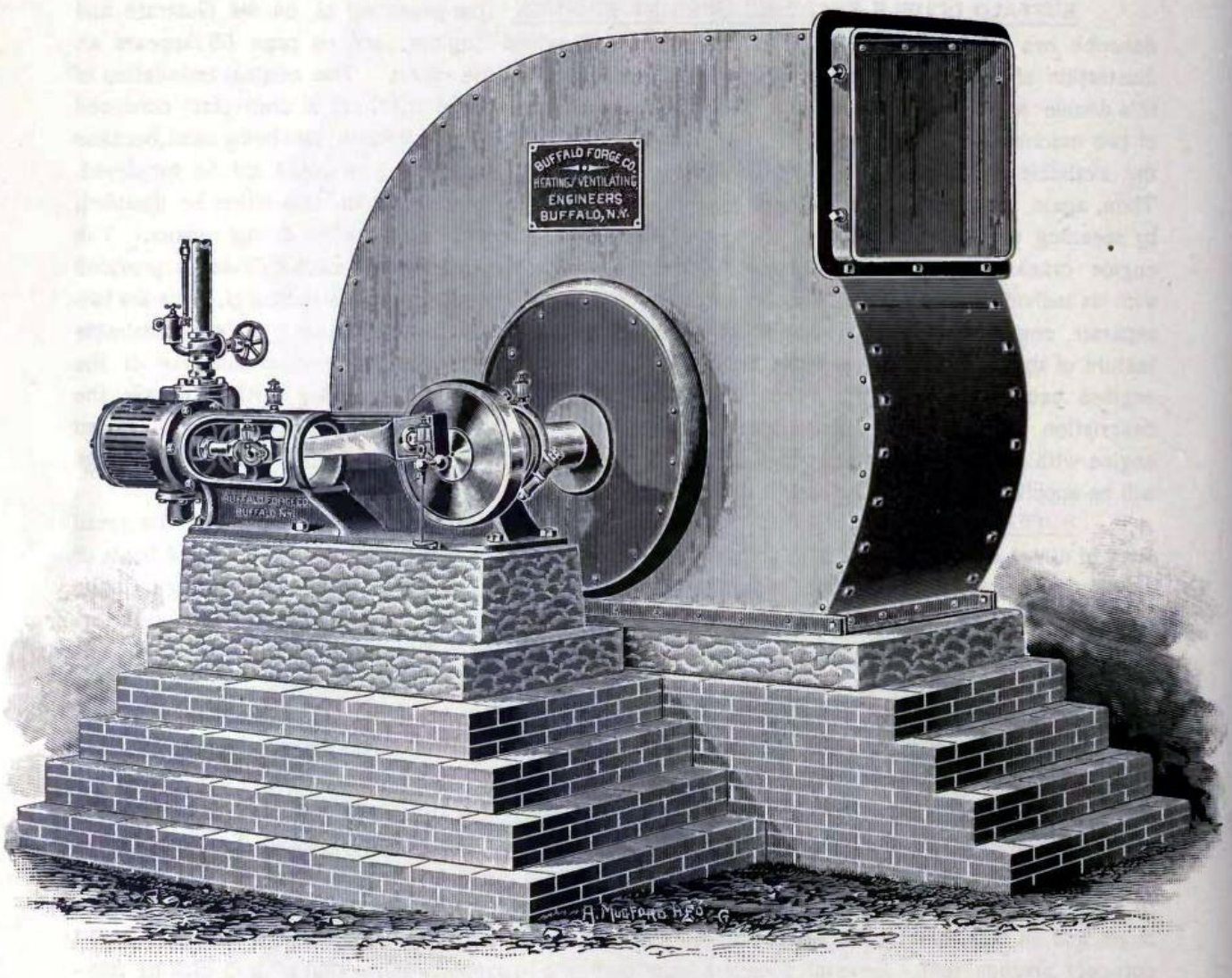
Double Enclosed Upright Engine.



Engine Cylinders Beneath the Shaft. Fan Right Hand Down-blast Discharge, with Overhung Wheel. For Mechanical Draft, Ship Ventilation, Etc.

Buffalo Steel Plate Steam Fan,

With Three-quarter Steel Plate Housing.



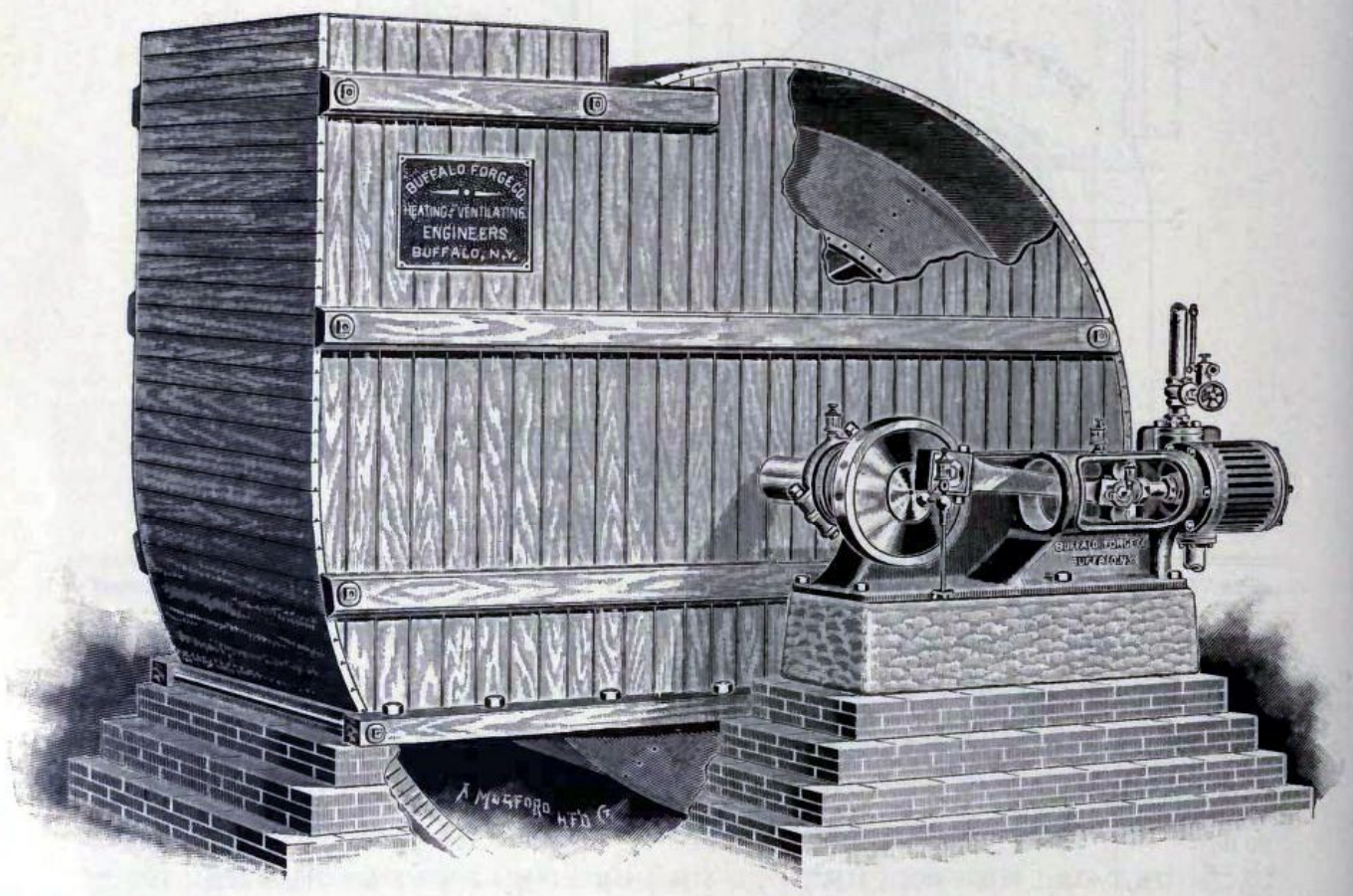
Fan Left Hand Top Horizontal Discharge, Direct Attached Horizontal Engine.

Regular Construction is Braced with Heavy Angle Irons,

(see Pages 58 and 82).

Buffalo Steel Plate Fan Wheel,

For Brick and Wood Housings.

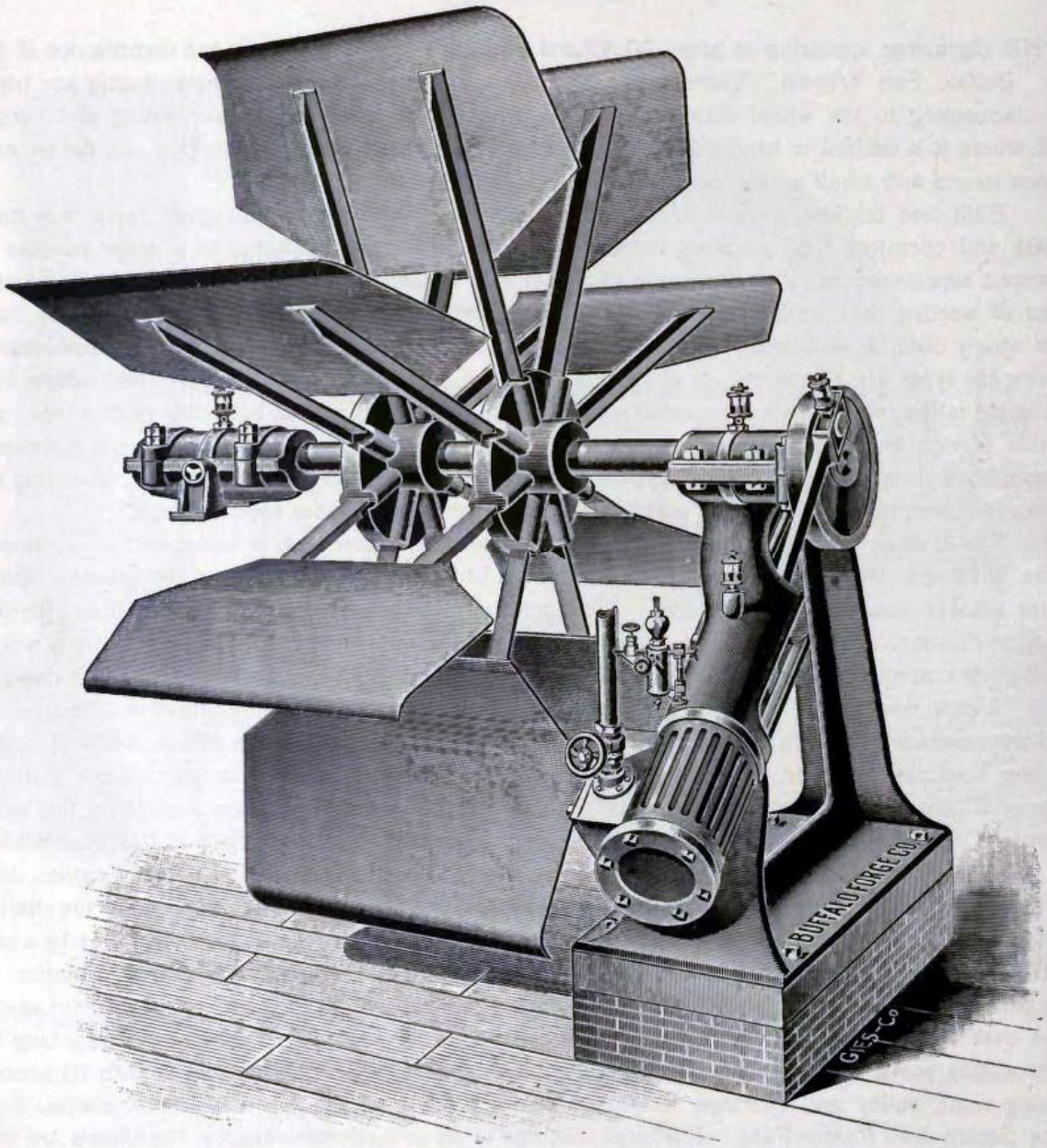


Fan Wheel in Three-quarter Wood Housing, with Direct-attached Horizontal Engine. Built as Right Hand Up-discharge Exhauster. A Common Form for Mine Ventilation.

Wood Housing at Top, and Brick at Bottom, Broken to Show Wheel.

Buffalo Steel Plate Fan Wheel,

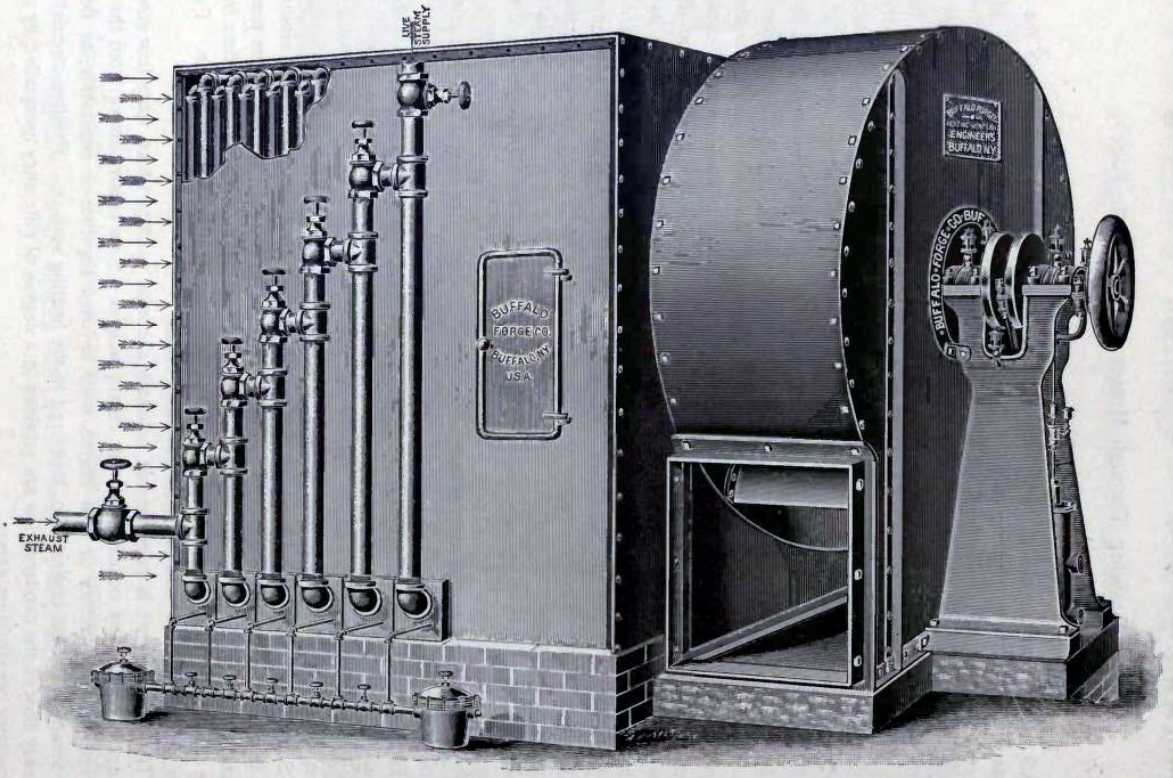
For Brick or Wood Housings.



Direct-attached Inclined Engine, Double Spider. Illustration from Photograph of a Large Mine Ventilating Wheel. Wood Housing Used.

Buffalo Fan System of Heating, Ventilating and Drying,

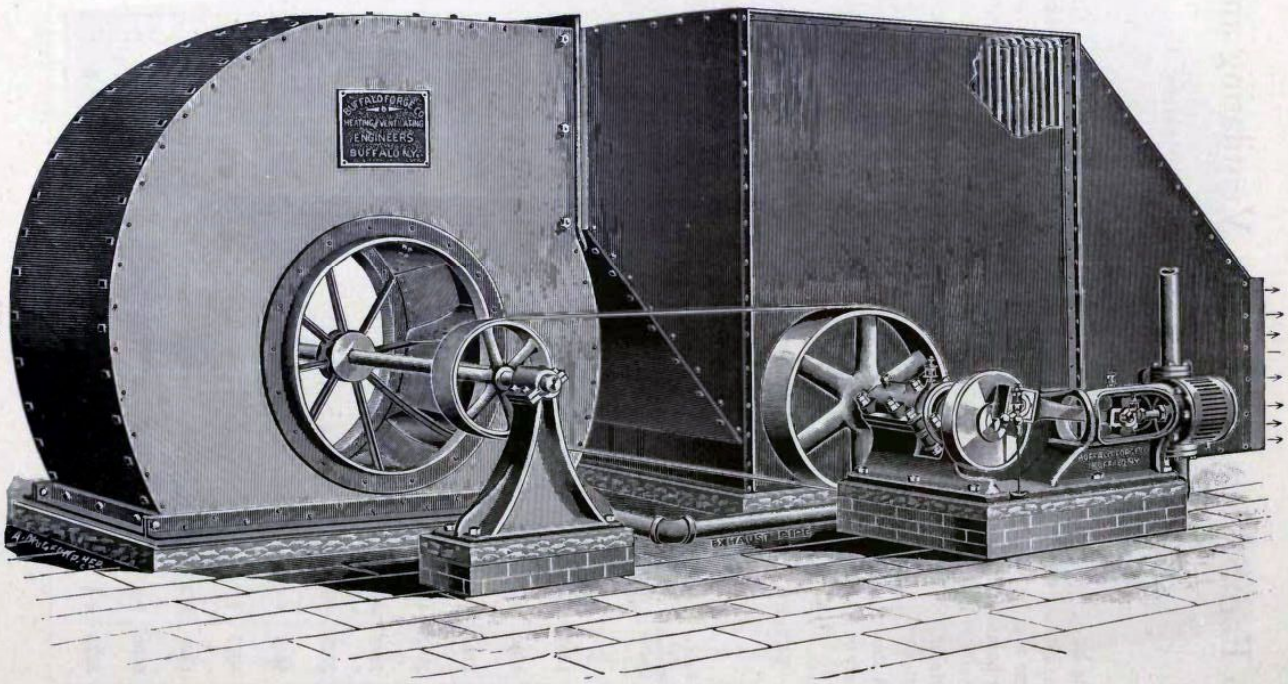
Type of Apparatus, with Full Housing Fan.



Right Hand Bottom Horizontal Discharge, Steel Plate Steam Fan, Drawing Through Heater, Arranged for Separate Steam Connection to Each Heater Section.

Buffalo Fan System of Heating, Ventilating and Drying,

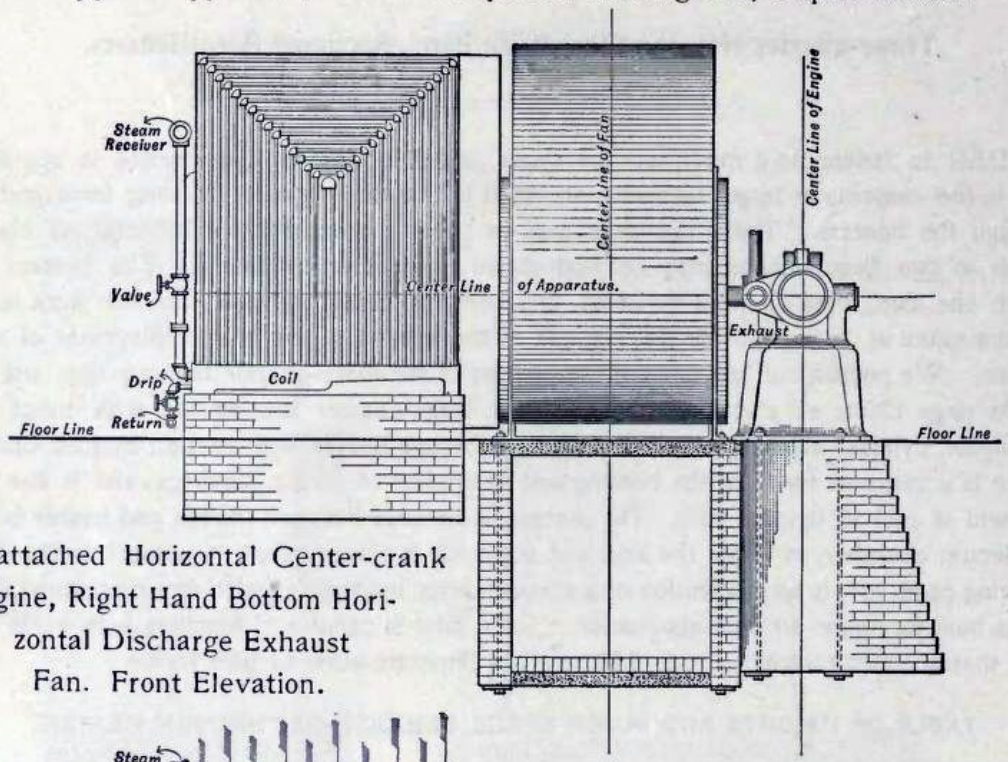
Type of Apparatus, with Three-quarter Housing Fan.



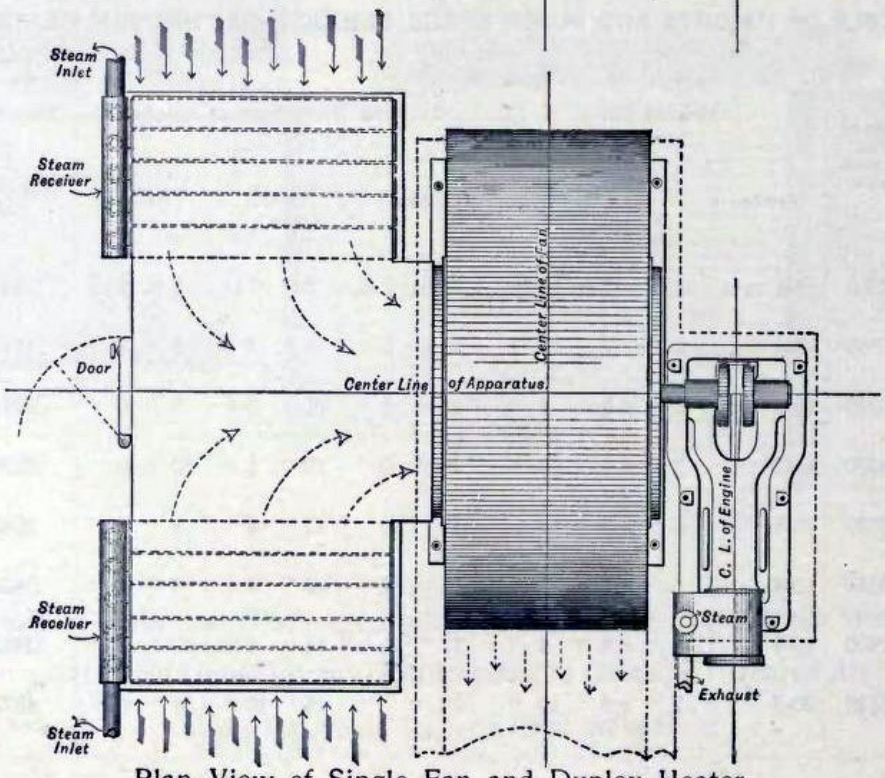
Left Hand Top Horizontal Discharge, Steel Plate Pulley Fan, Blowing Through Heater. Buffalo Self-contained Horizontal Engine. Fans are Heavily Braced with Angle Irons (see Page 131).

Buffalo Fan System of Heating and Ventilating,

Type of Apparatus, with Three-quarter Housing Fan, Duplex Heater.



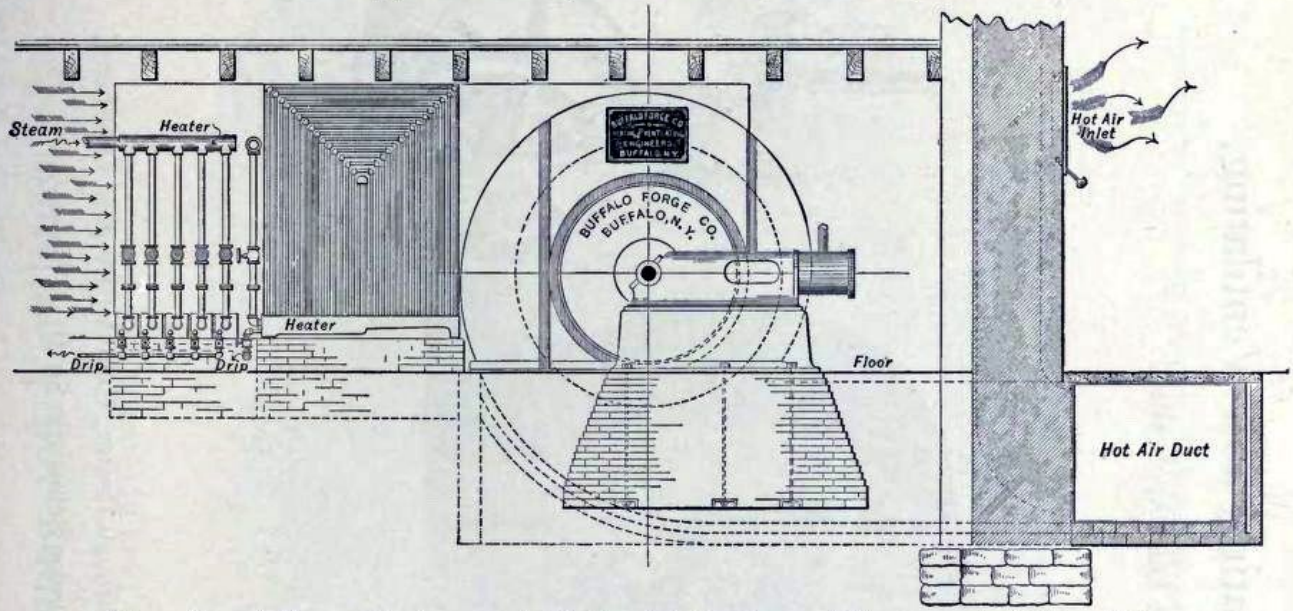
Direct-attached Horizontal Center-crank Engine, Right Hand Bottom Horizontal Discharge Exhaust Fan. Front Elevation.



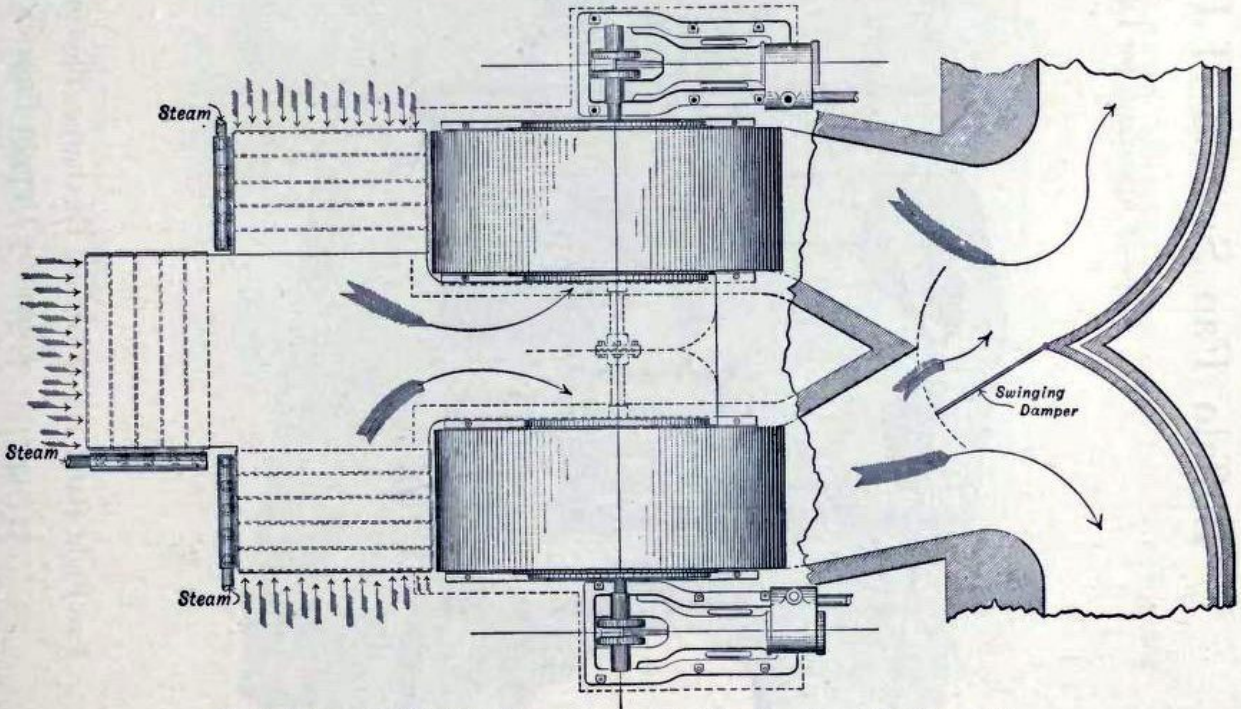
Plan View of Single Fan and Duplex Heater.

Buffalo Fan System of Heating and Ventilating,

Double Type of Three-quarter Housing Fans, Triple Heater.



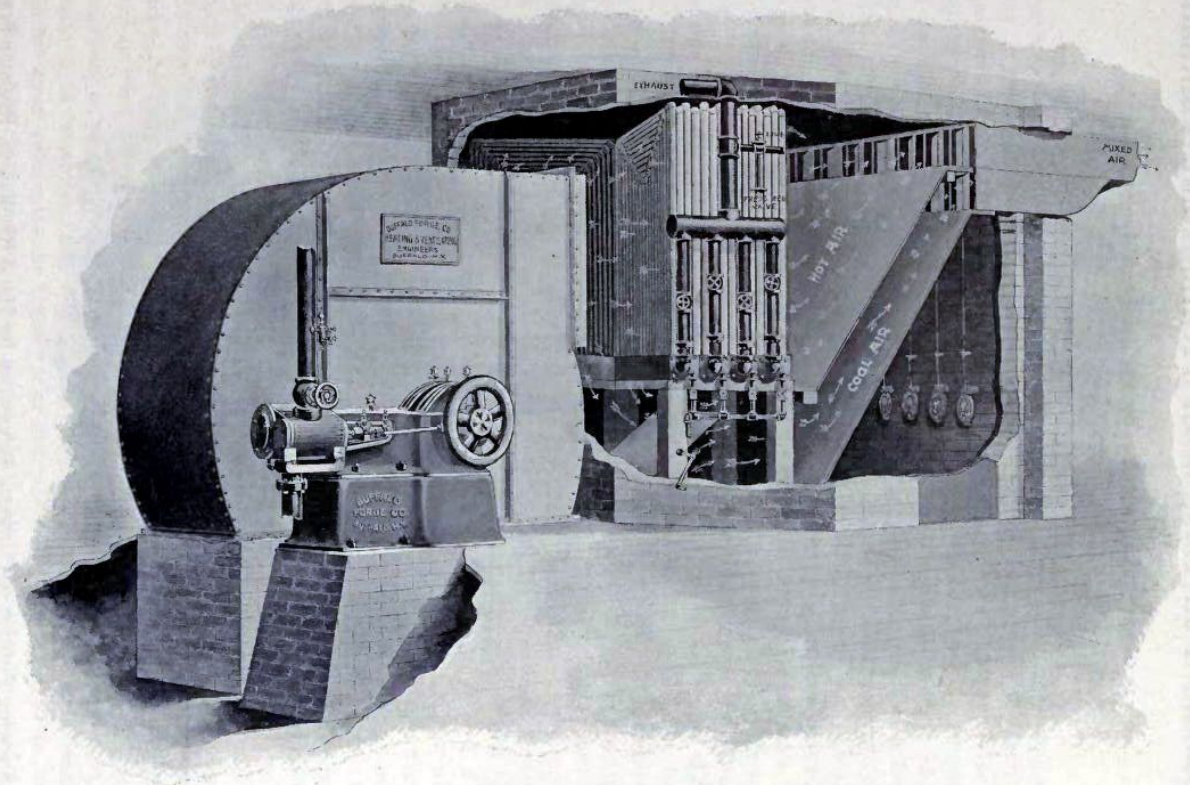
Elevation of Fans, Center-crank Horizontal Engine and Heater. Left Hand View.



Plan View of Double Fan and Triple Heater in a Textile Mill.

Buffalo Fan System of Heating and Ventilating,

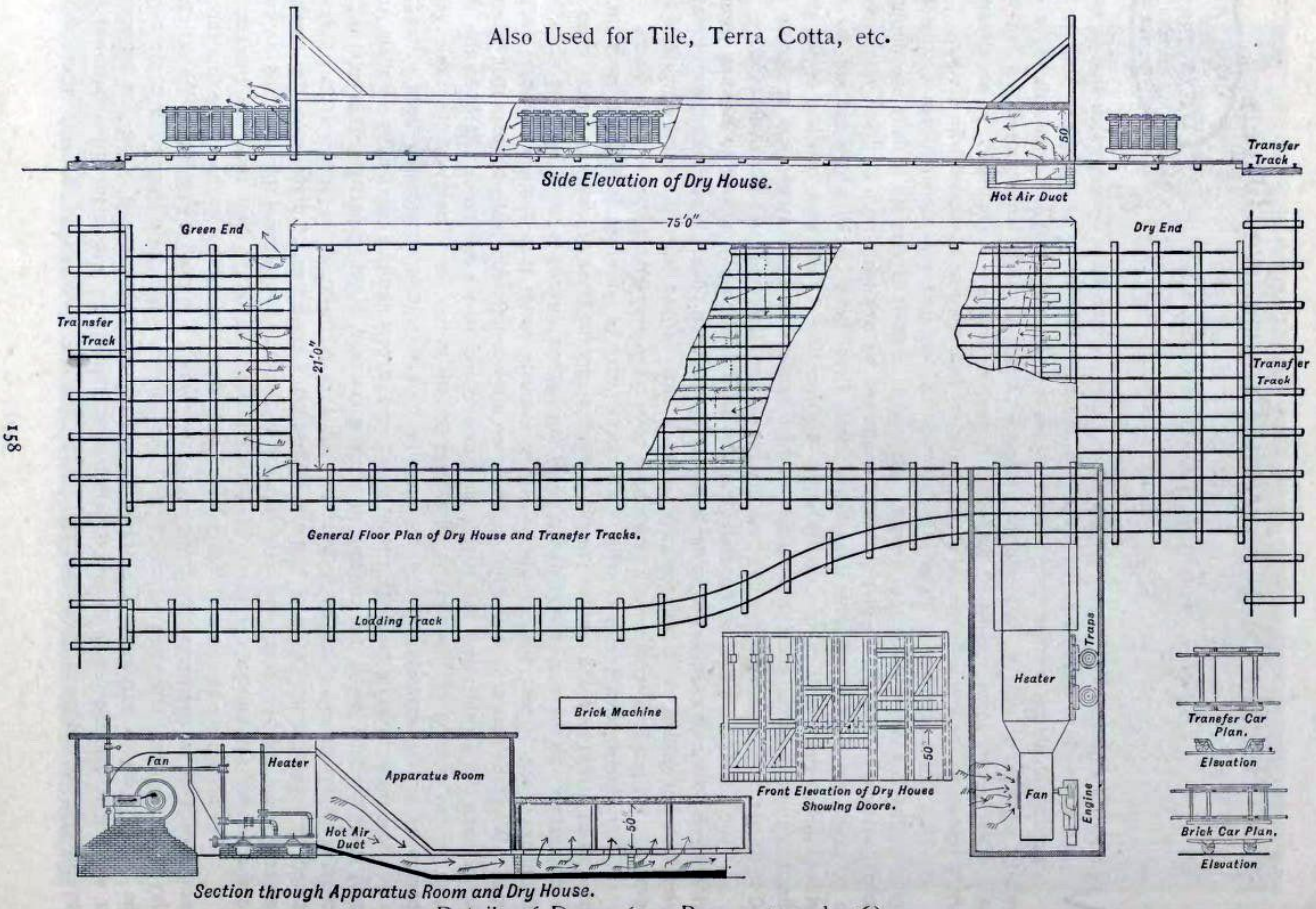
Type of Apparatus for Single Duct Application.



Three-quarter Housing Fan, Left Hand Top Horizontal Discharge, Blowing Air Through and Underneath Heater Into Brick Receiving Chamber, for Single Duct Supply of Hot and Tempered Air.

Buffalo Fan System Progressive Brick Dryer,

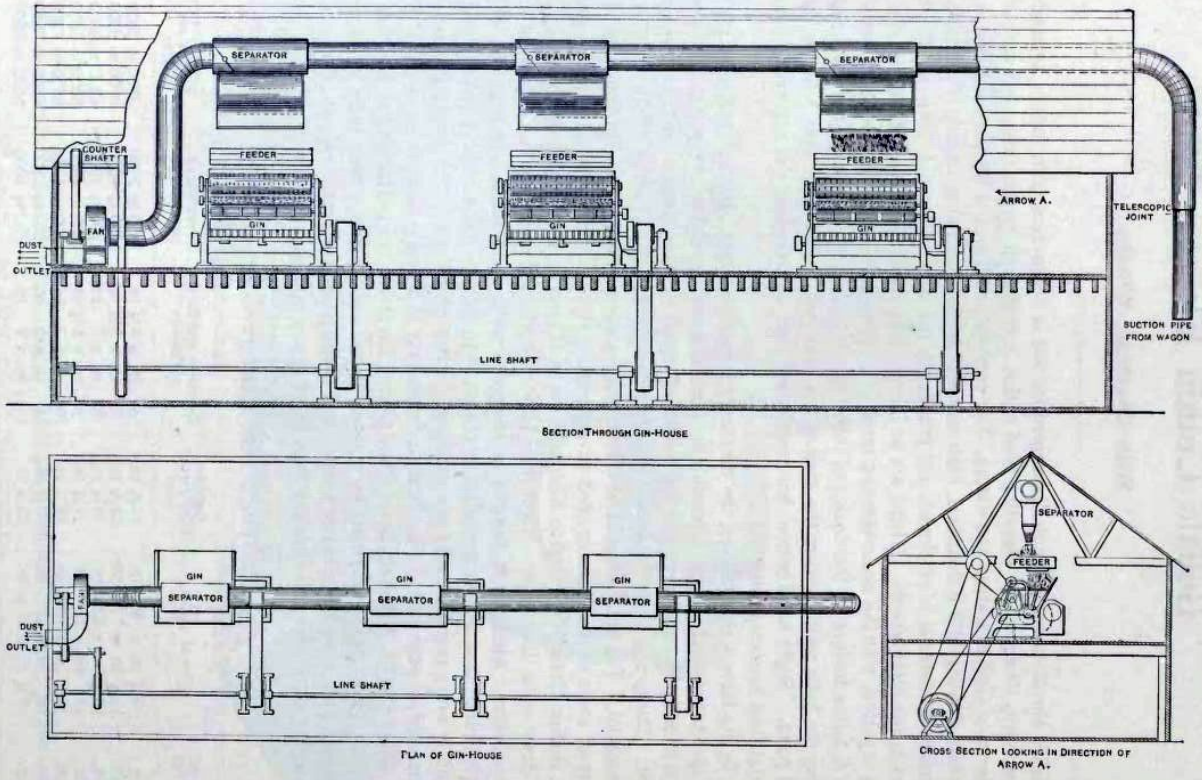
Also Used for Tile, Terra Cotta, etc.



Details of Dryer (see Pages 154 and 156).

Buffalo Cotton Elevator Fans,

An Improved Form of Installation.



SECTION THROUGH GIN-HOUSE

PLAN OF GIN-HOUSE

CROSS SECTION LOOKING IN DIRECTION OF ARROW A.

Application with Cotton not Passing through the Fan.

Buffalo Fan System of Heating and Ventilating,

Application to Schools.

Fifth Avenue High School, Pittsburgh, Pa.

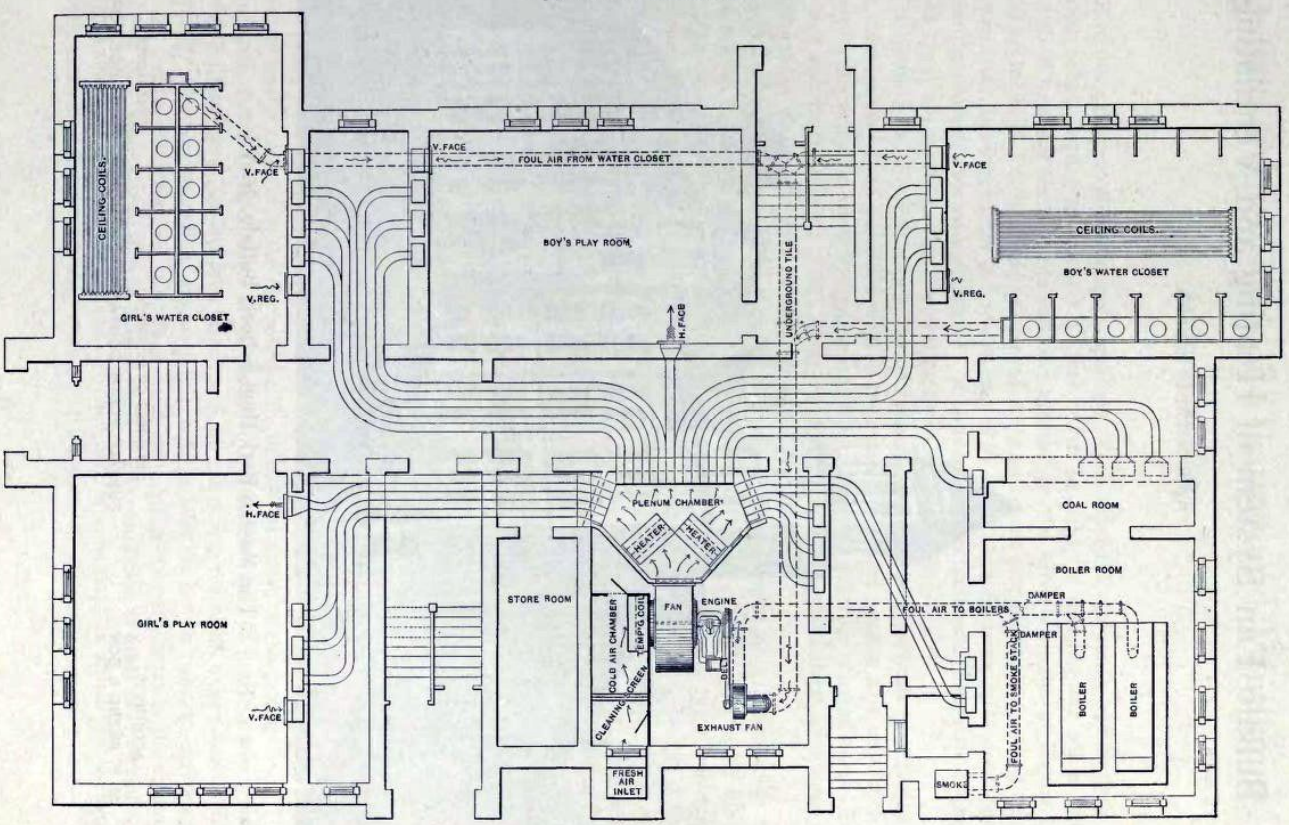
ARCHITECT,
EDWARD STOTZ.

DESIGNERS OF SYSTEM,
McGINNESS-SMITH COMPANY.

CONTRACTORS,
McGINNESS-SMITH COMPANY.

Buffalo Fan System of Heating and Ventilating,

Application to Schools.



Basement Plan. Apparatus Conveying Both Cool and Hot Air to Each Room by Single Pipes Under Thermostat Control.

Buffalo Fan System of Heating and Ventilating,

Application to Schools.

The Masten Park High School, Buffalo, N. Y.

ARCHITECTS,
M. E. BEEBE & SON.

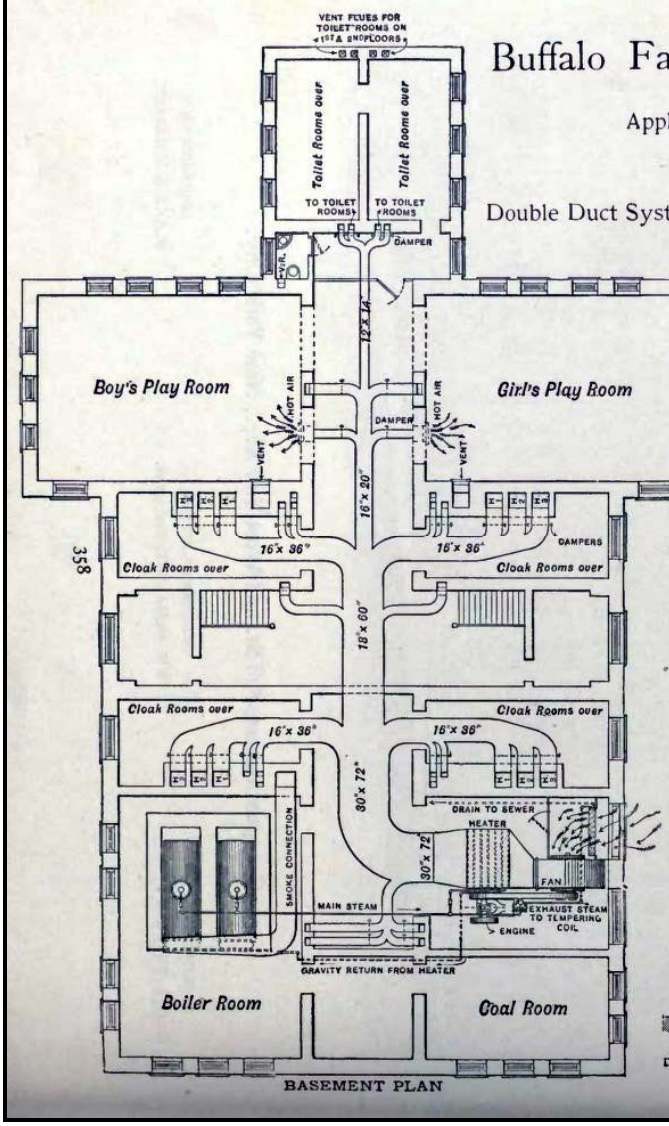
DESIGNERS OF SYSTEM,
BUFFALO FORGE COMPANY.

CONTRACTORS,
BUFFALO FORGE COMPANY.

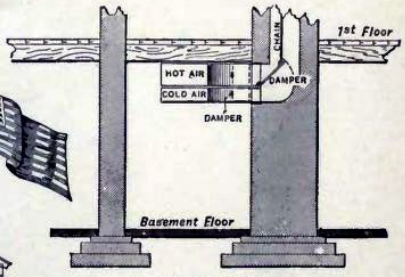
Buffalo Fan System of Heating and Ventilating,

Application to Schools.

Double Duct System of Hot and Cool Air Supply.



BASEMENT PLAN



Cross Section showing Hot Air & Cold Air Ducts and Mixing Damper.

CROSS SECTION

Buffalo Fan System of Heating and Ventilating,

Application to Churches.

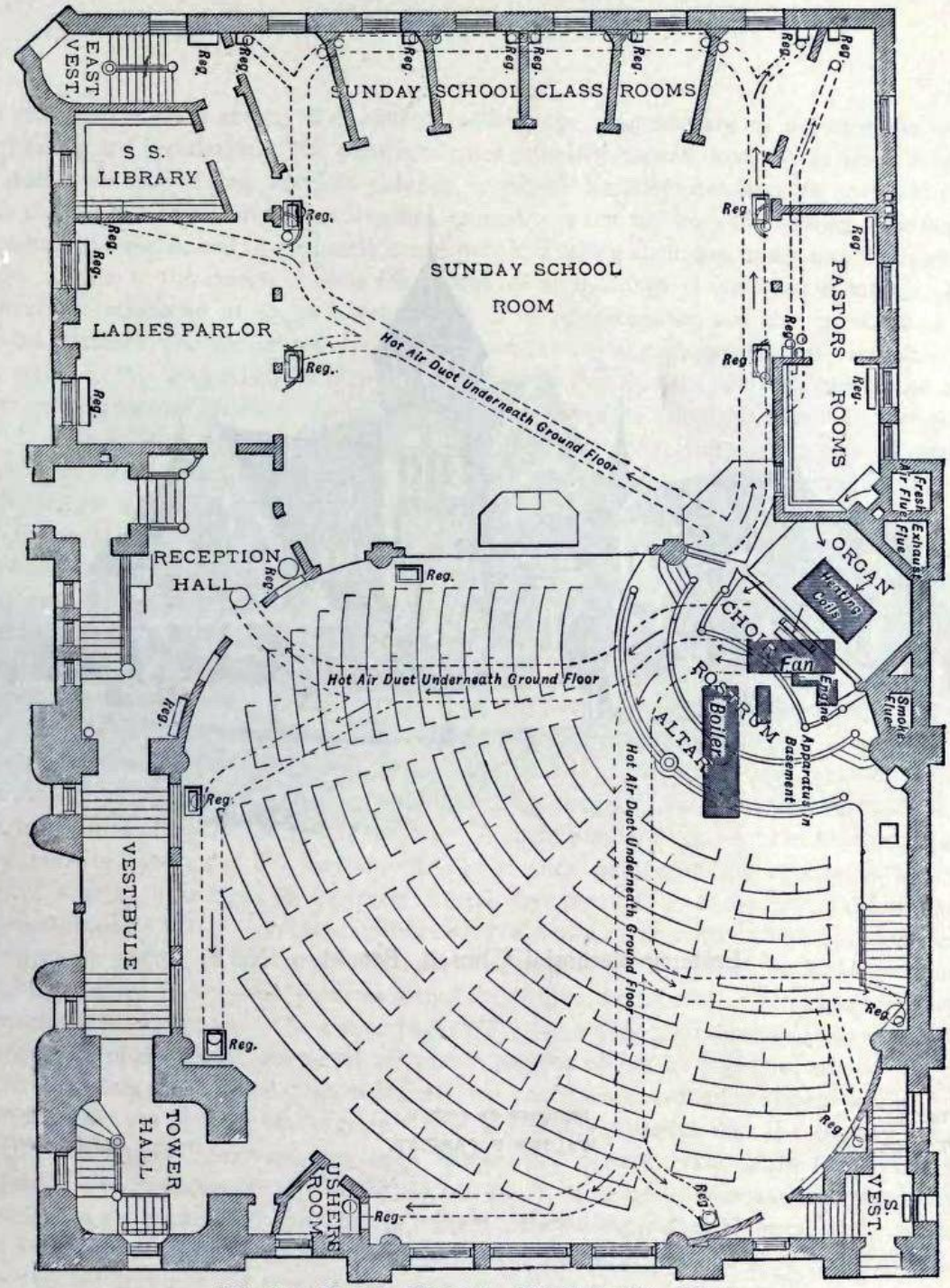
ARCHITECT AND DESIGNER OF SYSTEM,
WARREN D. HAYES.

CONTRACTORS,
C. S. WENTWORTH & CO.

Wesley M. E. Church, Minneapolis, Minn.

Buffalo Fan System of Heating and Ventilating,

Application to Churches.



Wesley M. E. Church, Minneapolis, Minn.

Buffalo Fan System of Heating and Ventilating,

Application to Office Buildings.

Real Estate Exchange, Buffalo, N. Y.

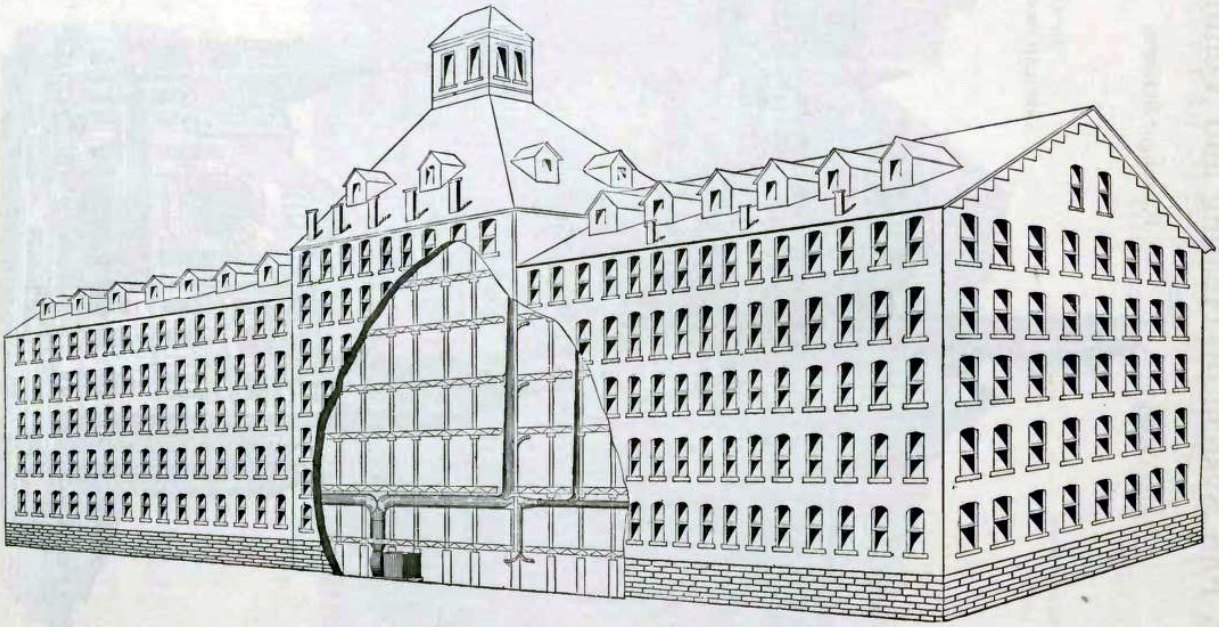
ARCHITECTS,
GREEN & WICKS.

DESIGNERS OF SYSTEM,
BUFFALO FORGE COMPANY.

CONTRACTORS,
BUFFALO FORGE COMPANY.

Buffalo Fan System of Heating and Ventilating,

Application to Manufacturing Buildings.



Installation in a Five Story Wagon Works. Perspective Elevation.