

AMERICAN BLOWER COMPANY
Detroit, Michigan
From ASHRAE Heat & Cold 1994

Centrifugal Fans

Tough on the Coal Dealer,
but a boon to the man behind the pocket-book. With the price of fuel climbing higher and higher it is going to require "strenuousness" to keep down expenses this winter.

The "A B C" Fan System of Heating
will not only heat but it will actually pay for itself in a season in its saving of fuel.

The most satisfactory system for the user—hence the most profitable for the contractor to advocate.

A complete line of Heaters, Fans and Blowers for all purposes.

Send for Catalogues.

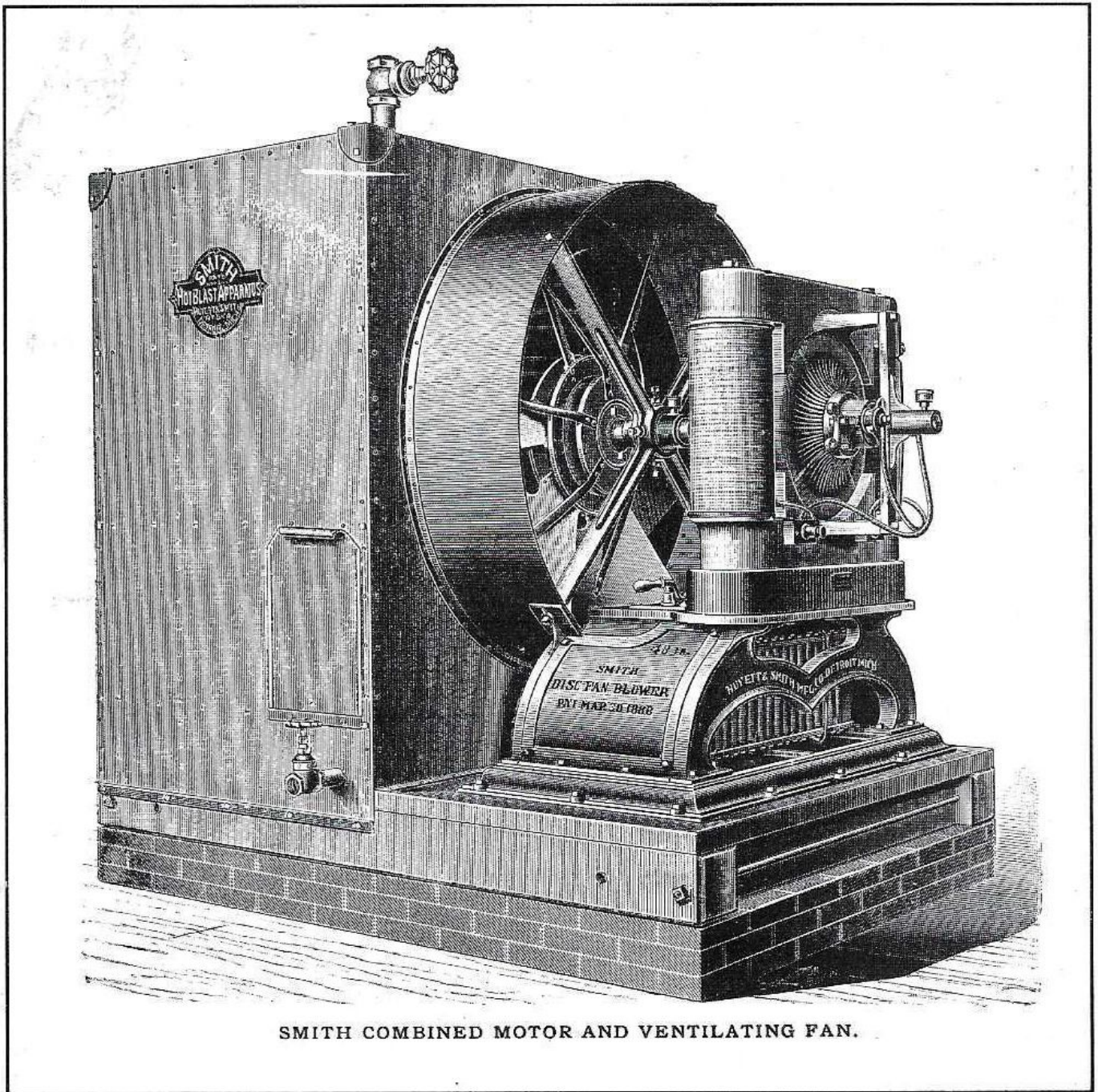
AMERICAN BLOWER CO.,
DETROIT, MICH.

NEW YORK, 141 Broadway. CHICAGO, Marquette Bldg. LONDON, 70 Gracechurch St.

Figure 7-70 Advertisement, American Blower Company (from Engineering Review, vol. 12, November 1902).

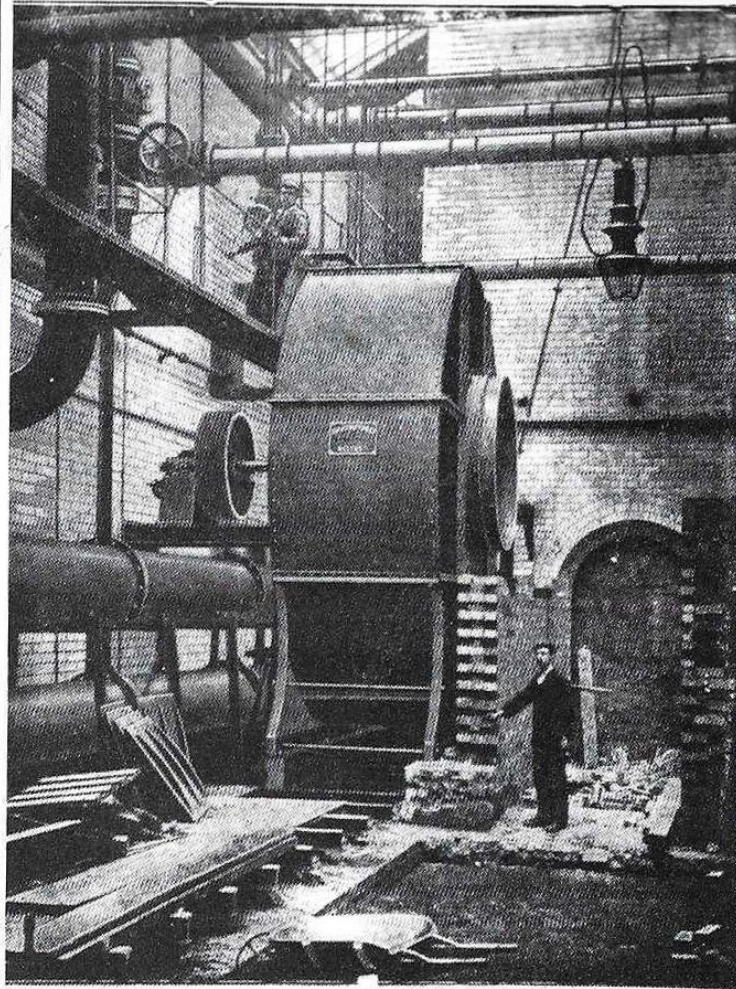
Huyett and Smith

Mr. Huyett, who was operating a flourishing lumber yard in Detroit, had a young shop foreman named W.D. Smith, who had developed a novel exhaust fan for the removal of wood shavings. "It had a double cut-off and double discharge and believed by Mr. Smith at least, to have a high efficiency and wonderful possibilities. Patents were obtained on this device and in 1881, a co-partnership was formed by Huyett and Smith to manufacture and sell the fan, particularly to lumber mills, etc., Huyett furnishing the necessary funds, Smith the inventive genius."⁸⁶ During the next decade, the company manufactured a number of heating and ventilating systems, such as the patented disc fan blower and hot blast apparatus (Figure 7-69). In 1895, the Huyett and Smith Manufacturing Company became the American Blower Company.



SMITH COMBINED MOTOR AND VENTILATING FAN.

Figure 7-69 Huyett and Smith disc fan blower—patented March 30, 1888, for hot blast apparatus.



Heating—Cooling

Mechanical Draft
for Boilers

Davidson's Patent

SIROCCO

Centrifugal Fans

Sirocco Engineering Co.

22 Thames Street, New York

Figure 7-73 Sirocco Engineering Co., mechanical draft for boilers (from *Engineering Review*, September 1906, p. xxxvii).

Sirocco Engineering Company

The Sirocco Engineering Company of New York marketed a low-pressure multivane curved-blade fan patented by Samuel Davidson in 1900. This centrifugal fan had narrow, closely spaced radial blades that were three times longer than typical designs (Figures 7-72 and 7-73).

During the first decade of the twentieth century, the Sirocco fan went through numerous modifications, includ-

ing changes to the blade design and single- or double-inlet design. In 1908, the Sirocco rights were sold to the American Blower Co.

At the end of the century, there were numerous manufacturers of heating and ventilating equipment competing for a larger and more diverse market. The industry grew very rapidly with the introduction of temperature and humidity control, safety governors, and a variety of new technologies. Concerns for health and sanitation were even more important than at the beginning of the century as cities and towns became more crowded and polluted.

American Blower Company

The American Blower Company continued to develop heating and ventilating systems. The "ABC System of Heating and Ventilation" was the trademark of its advertising (Figures 7-70 and 7-71). The company offered a full line of steam heating systems and a variety of low- and high-speed electric and steam fan motor drives.



AMERICAN BLOWER CO.

**HEATING, VENTILATING
AND
DRYING ENGINEERS**

Manufacturers of
Hot Blast Heaters, Steel
Plate and Disc Fans,
Blowers, Dry Kilns, etc.

NEW YORK
DETROIT
LONDON

"A B C" DISC VENTILATING FANS




are constructed upon scientific principles. Strength, durability and efficiency certainly urge their adoption for Ventilating, Cooling and the many other applications for which they are adapted.

Descriptive catalog and specific information sent in response to all inquiries.

SPECIFY CATALOG 111-P.



AMERICAN BLOWER COMPANY

DETROIT, MICH.

New York
141 Broadway

Chicago
Marquette Bldg.

London
70 Gracechurch St.

Figure 7-71 Advertisement, American Blower Company (from Engineering Review, vol. 12, February 1902, p. xxi).

200-6.

"A B C" EQUIPMENT
FOR FACTORY HEATING
AND VENTILATING

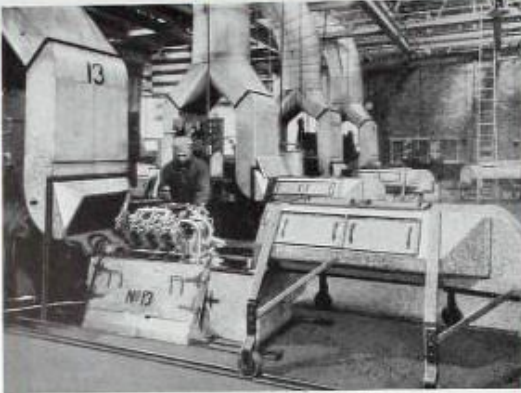


NO. 27 - SERIES. 5

AMERICAN BLOWER COMPANY

DETROIT, MICHIGAN

"Sirocco"



The Willys-Overland Co., Toledo, Ohio.
"A B C" Exhaust System in the motor testing department.



Sonora Plant, Saginaw, Mich.
Woodworking, Exhaust System, "Sirocco" drive.



H. W. Johns-Manville Co., Manville, N. J.
Battery of "Sirocco" Fans for dryers, Factory has complete "A B C" Equipment.

**"A B C" EQUIPMENT FOR
FACTORY HEATING AND VENTILATING**

"A B C" Fans and Blowers

THE prime movers of the air supplies of the large or small factory are the "A B C" Fans and Blowers.

American "Sirocco" Fan



The drive of the American "Sirocco" Fan is usually by means of a pulley for belt drive, or a special American Blower Company steam engine, with internal self-oiling features, which avoid any necessity for attention.

Also "Sirocco" Fans may be had with direct-connected motor.

Types "E" and "C" Steel-Plate Exhaust Fans



"A B C" Service

AMERICAN Blower Installations have been in many cases used continuously for as long as a whole generation, and are still performing adequately and with satisfaction to the owners.

While the quality of this service is insured by the co-operation and help of the highly-specialized "A B C" technical staff before the installation is designed, the length of service is maintained by extreme care in design, lay-out, material and workmanship of the various units that make up the particular equipment. In this way each installation of "A B C" Products is so protected from the moment of planning any proposed project, that the ultimate owner will have the fullest return on his investment in both length and character of performance.

There is no more efficient means of satisfaction than these painstaking methods of developing each "A B C" System for each set of conditions represented by a prospective order.

*In continuous use for over 18 years at the
Columbia Western Mills, Saginaw, Mich.*

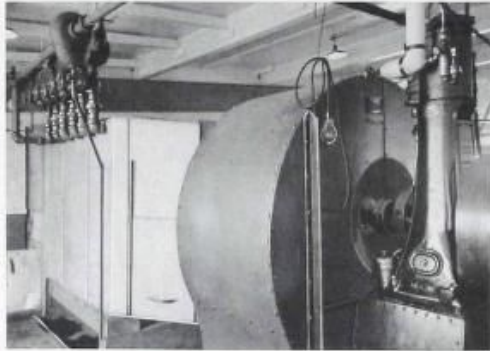


*"A B C" Engine
Fan and Heater*

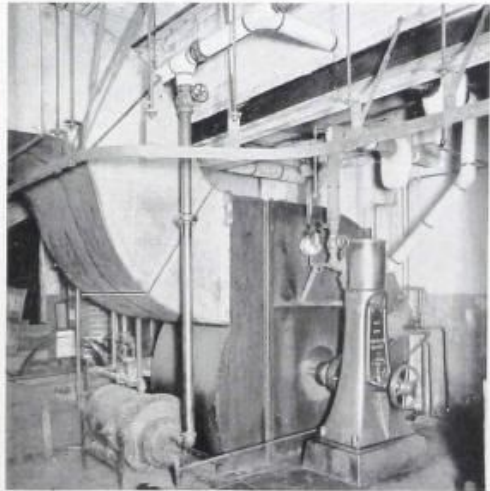
Sirocco



J. H. & C. K. Eagle Mfg. Co., Shamokin, Pa.
*Induced draft in boiler room with direct-connected
"Sirocco" Fan and "A B C" Engine.*



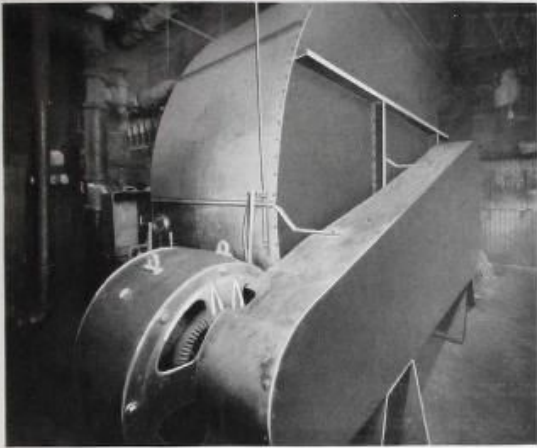
Industrial Works Co., Bay City, Mich.
*"Sirocco" Fan with "A B C" Vertical Direct-Connected
Engine drive.*



Miller Lock Co., Philadelphia, Pa.
"A B C" Blower Equipment with Type "A" Engine.

**"A B C" EQUIPMENT FOR
FACTORY HEATING AND VENTILATING**

240" "A B C" Type "S" Steel Plate Fan used for 13 years in the roundhouse of the C., M. and St. P. R. R., So. Minneapolis.

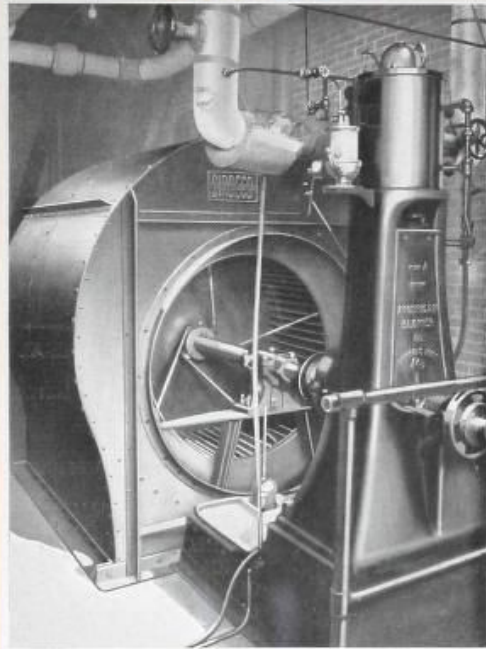


"A B C" Engineering Assistance

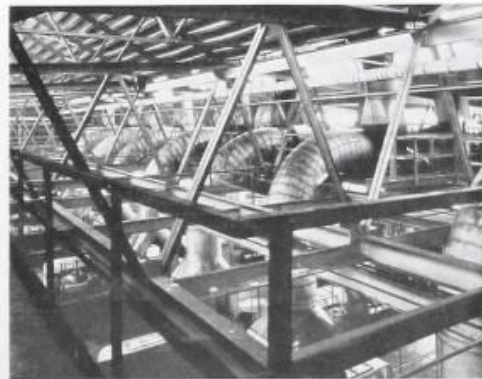
THE American Blower Company engineers are highly experienced in the design and installation problems of all industrial and factory ventilating, heating and air-treatment systems which may be in prospect. These services are highly specialized, and will be gladly placed at the disposition of any corporation or engineer who is interested in factory ventilating problems in which "A B C" Equipment is being considered.

AMERICAN BLOWER COMPANY
DETROIT, MICHIGAN

Sirocco
SINCE 1914



Curtis Publishing Co., Philadelphia, Pa.
"Sirocco" Fan with Type "A" engine drive.



Wilys-Morrow Co., Elmira, N. Y.
"Sirocco" Fan Units on roof truss members.

"A B C" EQUIPMENT FOR
FACTORY HEATING AND VENTILATING