

Hydraulic **PRESSES**

We Build Presses
for...

**PRESSING VENEERS
TANNERS' USES
BALING, Etc.**

SEND FOR
CATALOGUE
AND PRICES

William R. Perrin & Company

TORONTO, - CANADA

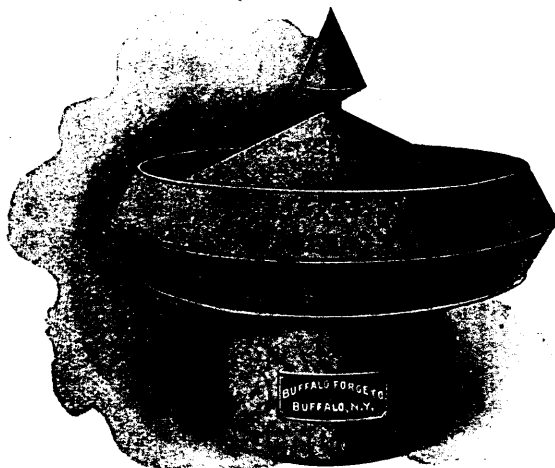
BUFFALO IMPROVED VENTILATOR.

During their quarter of a century of experience in the heating and ventilating of buildings of all classes, the Buffalo Forge Co. of Buffalo, N. Y., has become thoroughly in touch with the

While requirements of a stationary ventilator are hard to fulfill, they have been perfectly met by the new Buffalo Improved Ventilator, which the above named company have recently placed upon the market. These ventilators provide a free exit for the impure air in the building, but effectually retard and prevent the air from re-entering the building through the ventilator. With the movement of air across the head of the ventilator there is a suction produced which actually draws or induces the air from the room. This sucking action is obtained because of the shape and construction of the ventilator head.

the additional quality of supplying light. These special ventilators may be constructed either of copper, brass or steel plate, or they may be made of the regular material and lined with pure lead to protect the ventilator when used to exhaust obnoxious gases or other injurious fumes.

These ventilators are also used to prevent down drafts and smoky chimneys. The usual methods of applying these ventilators to a chimney is with the outside flange, which forms a splendid protection for the top of the chimney. It is a rigid and desirable method of fastening.



View of Ventilator from Above.

PROTECTION OF CHIMNEYS.

The necessity of protecting chimneys against lightning recently received an illustration in Hanover, Germany, that may well be called striking. During a thunderstorm the lightning struck two tall chimneys. One of them, over 195 feet in height, was the highest in the neighborhood. It had been built but six months before and was coated with tar. Sufficient time had not elapsed for the mortar to dry out, and, consequently, the iron ladder on the outside, together with the wet mortar, formed a good conductor for the electricity. The inner wall of the chimney was thoroughly saturated with acid from the dye works,

These ventilators are built of heavy galvanized iron and will resist any strain of reasonable magnitude that may come upon them. They are perfectly silent in their work, and do not require the expenditure of available power which, in some instances, means a considerable

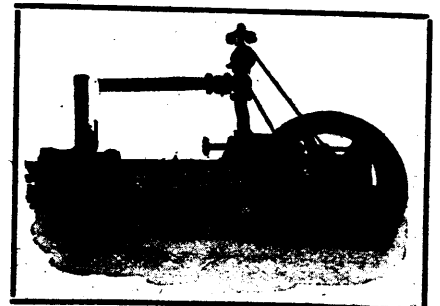
conditions which make stationary ventilators an efficient and servicable help. Their value when in use with the fan system is too often underestimated. In certain cases they are alone amply sufficient for proper ventilation.

outlay of money each week. Many buildings need both light and ventilation. Where such conditions are met the ventilator is specially constructed with a glass top head. It loses none of its good qualities as a ventilator, but has

BOILER, RAILWAY and MACHINE SHOPS CONTEMPLATING THE USE OF PNEUMATIC TOOLS

WILL DO WELL TO COMMUNICATE WITH US BEFORE
INSTALLING PLANT

SEND FOR OUR CATALOGUE OF **AIR COMPRESSORS** ALL STYLES AND SIZES



CANADIAN RAND DRILL CO. Montreal and Sherbrooke

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.