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chimney, according to the method of mechanical draft production employed.

The cost of the mechanical draft being less, the fixed charges are also less. In a certain 2400 h.p. boiler plant, the cost of a chimney with damper regulators was \$11,100, and the cost of a mechanical draft plant to take its place would have been \$4,700, showing a saving in first cost of \$6,400. It also made possible the reducing of the rated h.p. of the boilers, and the forcing of the remaining number to do more work.

In the matter of economy of operating expenses, it may be stated that in the case of the United States Cotton Co., of Central Falls, R.I., where a plant was installed costing about \$550, it made possible the reduction of the annual fuel bill by \$6,500. This was effected by substituting a very low grade fuel, which it was impossible to burn with chimney draft, but which was easily burned when the fan was in operation.

Another case is that of the Hotel Iroquois at Buffalo, N.Y., where a saving of fully twenty-five per cent. was made in the fuel bill by introducing a fan and substituting low grade fuel.

When a fan is employed for draft production, it is generally made of steel plate, and therefore can be constructed in any shape required, and supported without heavy foundations. In operating it is both positive and flexible, and can be regulated with the finest degree of adjustment to the necessities of the fire. It can be automatically controlled so as to require no attention whatever, and at the same time maintain absolutely constant steam pressure.

The rapidly growing interest in mechanical draft points to it as the coming successor of the chimney in a large number of plants throughout our country.

BENGALINE AND NAPHTINDONE.

Messrs. Wm. J. Matheson & Co., New York, have sent us a circular which explains itself as follows:

Messrs. Wm. Pickhardt & Kuttroff have issued a circular from which we quote as follows:

"Having obtained injunctions against the two principal infringements, sold under the names "Bengaline" and "Naphthindone," we, of course, expect to forthwith stop the sale of every other infringement of which detection is possible."

We think it well to point out to the consuming trade that the Naphthindone patent was not before the court, when judgment was obtained against the makers of Bengaline, and although an injunction was granted restraining the sale of Naphthindone, no evidence has, as yet, been submitted to connect this color with that of Bengaline or Indoline.

A suit to determine the validity of the Naphthindone patent is being pressed with all possible speed, and we expect soon to have a determination in our favor. In the meantime, we shall be glad to furnish our friends, and consumers generally, with any other of our Blue specialties, and in this connection we venture to renew our standing offer that, in consideration of the purchase from us of any of our colors, we guarantee to hold the purchaser harmless from any damages which may result from any suit for infringement, which may be brought against him, as a result of any such purchase, always provided that the conduct of the case is entrusted to our attorneys, and that we are promptly notified when the proceedings are commenced. Respectfully,—Wm. J. Matheson & Co., Ltd.

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