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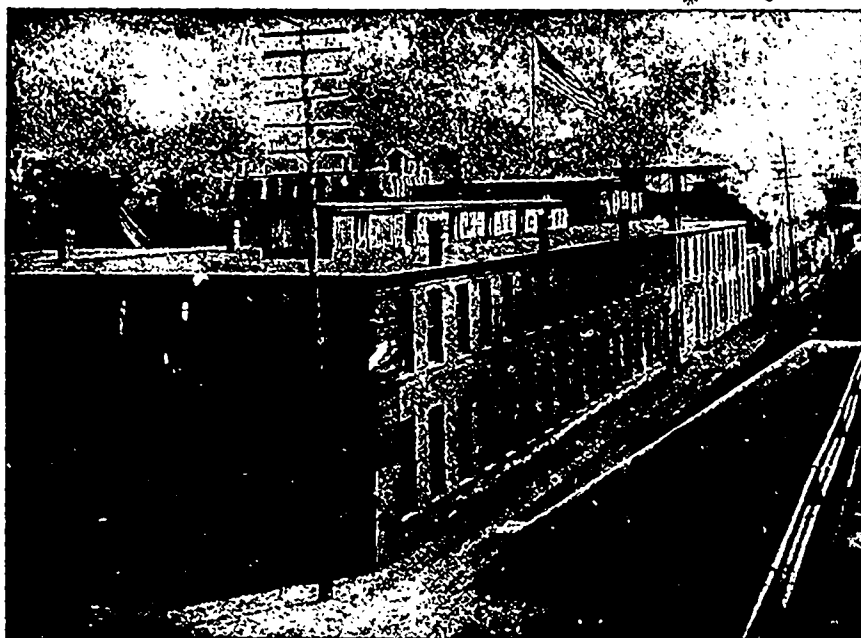
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This total saving is made possible by the expenditure of \$3,500 (£700) for the mechanical draught apparatus; that is, the saving is nearly three and one-half times the expenditure necessary to secure it. The reduction of \$11,875 (£2,375) in the cost would indicate an annual saving in fixed charges of about \$831 (£166) to \$890 (£178), according as the aggregate of interest, taxes and insurance is taken at 7 or 7½ per cent.

its positive character, its ready adaptability, its independence of climatic conditions, and its instant response to any demand for increased steam supply, the account stands decidedly to its credit. Therefore any further saving, as, for instance, in the cost of the fuel burned, is clear gain over and above any expenditure that may have been made on account of the introduction of this method.

Under ordinary conditions the steaming



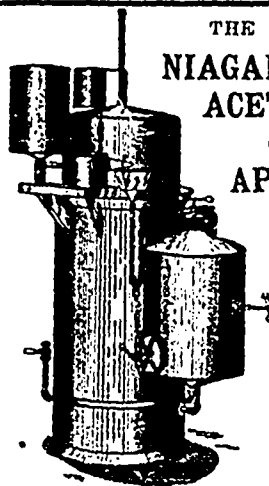
The Works of the B. F. Sturtevant Co., Boston, Mass., without a Chimney. The small smoke-pipe from 269 h.p. Boilers immediately below the \*

This amount would, under conditions of the best economy, be practically sufficient to cover the cost of operating the mechanical draught apparatus, provided no attempt was made to utilize the exhaust steam, and would far more than cover it were this steam usefully employed. When to the economical advantages already pointed out is added the increased convenience of mechanical draught,

capacity of boilers may be greatly increased by the application of mechanical draught. This is equivalent to a reduction in the number of boilers required to secure the same capacity.

As a further factor in the matter of cost it should be noted that the fan possesses a definite advantage over the chimney in that it is portable, and is always a valuable asset.

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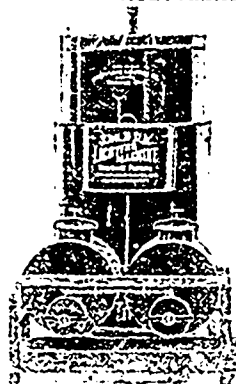
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