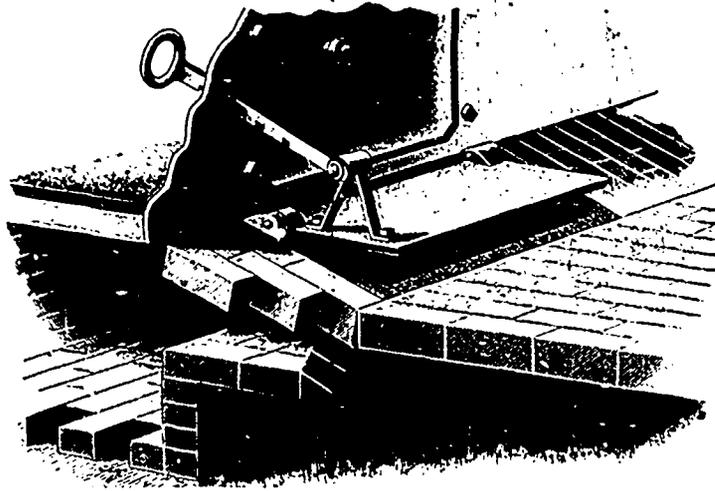


be correspondingly reduced. Had this comparison been based upon the cost of a plenum or forced draught plant, the saving in the cost would have been shown to be even greater because of the smaller fan required.

save \$990 (£198), and the reduction in the number of boilers \$960 (£192) on the cost of the land required for the plant.

The total net saving in first cost of a single plant, under the given conditions, may be thus summarized:—



Sturtevant Ash Pit Damper in bottom of Ash Pit.

In any properly arranged plant the exhaust steam from the fan engine would be utilized so that the actual cost of the steam used in producing draught would be reduced to practically nothing.

The value of the land may be an important factor in the first cost. If figured at \$2 (8 sh.) per square foot, for instance, the omission of the chimney would in this case

By omission of chimney and damper	\$5,800 00
By reduction in number of boilers	4,125 00
By saving in space occupied by chimney	990 00
By saving in space by boiler omitted	960 00
	<hr/> \$11,875 00

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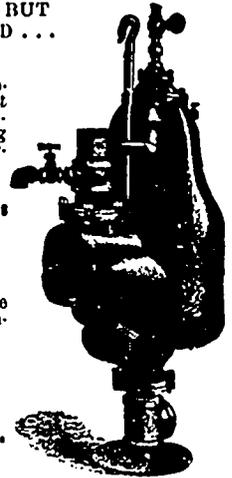
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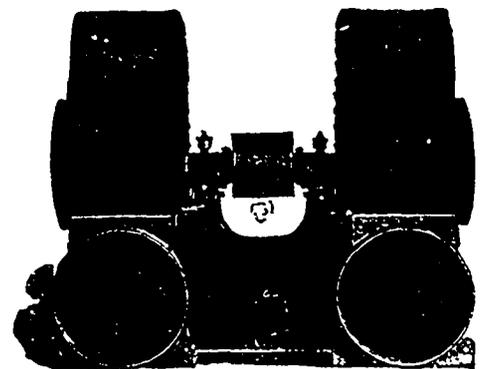
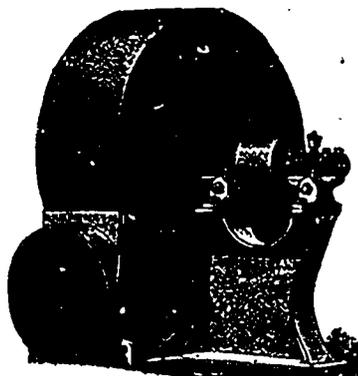
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