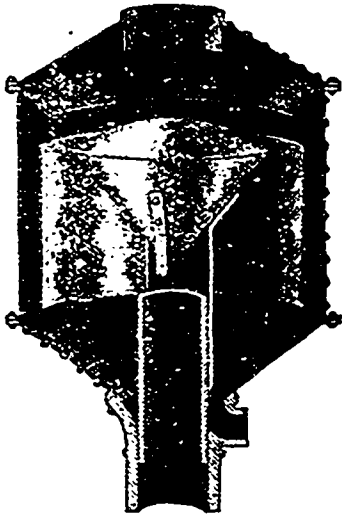


THE BURT EXHAUST HEAD.

The accompanying illustration is of the Burt Exhaust Head, manufactured by the Burt Mfg. Co., Akron, Ohio.



In describing this appliance and the usefulness of it, we are told that, being attached to the exhaust pipe of the boiler system, it prevents oil and wet steam from escaping, which might otherwise drench and disfigure the surrounding buildings, but, more important, it saves the water of condensation, and returns it to the boiler. Thus the same water is used repeatedly. Most fresh water holds lime in solution, when taken into the boiler it becomes

encrusted, forming a scale very difficult to remove, and requiring a large consumption of fuel. Water returned from the exhaust head is distilled water in which there is no lime.

The Burt is a modern exhaust head built to meet the requirements of the modern power plant. Instead of being cone-shaped it has perpendicular sides, giving the greatest possible area on the inside, which means more room for the expansion of the escaping steam, and as there is enough room in it for this expansion, back pressure is impossible. The area of this steam chamber is not lessened by stuffing of any sort—no baffle plates—no scrap metal—no diaphragm.

The head is made of heavy iron, and is

quite as strong as is necessary. The joints, seams and attachments are water tight. It cannot be overloaded. It cannot explode. It will not rust. It will last a life-time.

The exhaust steam, after coming in through the pipe, strikes the cone immediately over the inlet. This cone separates the steam into the finest particles, condensing some of the vapor. The greater volume of steam rises up to the small projection extending round the top of the head, and is held there for an instant, causing the particles of water and oil to drop by force of gravity down between the double walls on the side and out through the drip below.

For further information address The Burt Mfg. Co., Akron, Ohio.

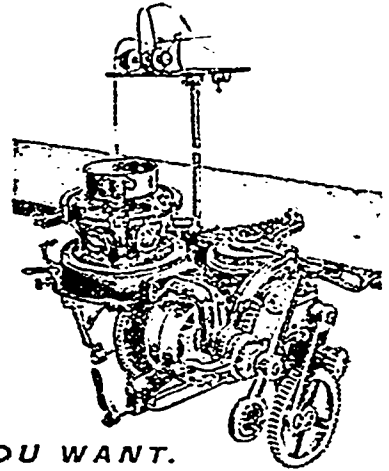
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