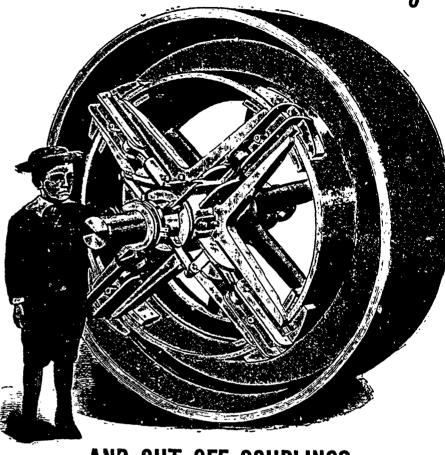
NOTES

An engineer calls attention to the placing of a lubricator on a steam pape, and thinks it makes a difference which side of the pape it is placed on Placing the cup on the side nearest one end of the cylinder, he found that end of the cylinder got the bulk of the oil which ran down the inside of the pape. He now enters his oil supply pape into the steam far enough to let the oil come into the center of the column of steam. This is a limit to tapping and running a short length, and the steam pape before attaching the lubricator. Reston Journal of Commerce.

Affiller.

The substitution of lead instead of the forcoating of galvaniang conductors is advocated in an attacle in Leterrative. Zinc has certain disadvantages tendency to form an alloy, high meting temperature and tendency to form an alloy, high meting temperature and tendency to flake. Lead seems to be preferable for certain reasons and its application is similar to that of zinc. The objects are cleaned electrically, and immersed in an aqueous solution containing to per cent, of hydrochloric acid and to per cent, of hydrochloric acid and to per cent, of hydrochloric acid, heated to 50° C in a vessel coated with lead. They are connected to one pole of a dynamo as anode, the lead coating constituting the other pole. After this preparation they are dipped into limewater of the same temperature, and then into an alloy of equal parts of zinc and tin in hydrochloric acid, which greatly favors the adherence of the melted lead into which they are then dipped. The process is economical and is not confined in its advantage to iron or steel articles, but may be used for chemical and electrolytic vessels. The iron or steel wires serving as protection in armored cables, it is suggested, might be advantageously treated by this method in preference to the ordinary galvaning process.

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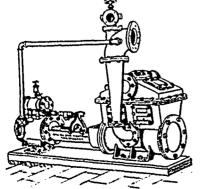
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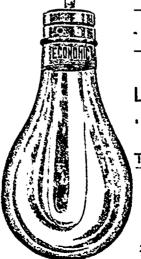
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