

"TWO IN ONE" HOISTING DRUM.

The "Two in One" hoisting drum is just what its name indicates; two drums mounted on the same bed plate, and acting as one drum. It is not connected to the engine by gears or sprocket chains, so that the necessity of changing the engine is obviated.

A contractor who has several single drum hoisting engines who wishes to use automatic buckets; or should he

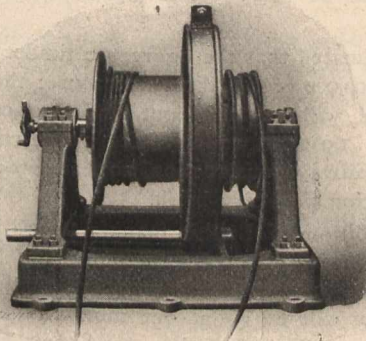


Fig. 1.
End View, Showing Both Drums.

have double drum engines, and in addition to operating the buckets wishes to raise and lower the booms—the all-important question is an additional drum, which in all probability he will order from the engine manufacturer. To connect this drum the engine should be mounted on wooden skids to receive the pedestals which carry the new drum shaft. These pedestals are now bolted to the skids, and the

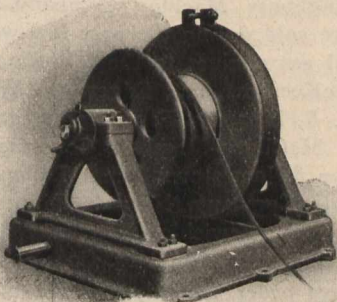


Fig. 2.
Three-quarter View, Showing Large Drum and Friction Attachment.

shaft lined up, so that the gears will mesh properly. These changes are often made in out-of-the-way places, miles away from a machine shop, and should the parts not fit properly, the changes made are often expensive, and very often valuable time is lost.

The "Two in One" hoisting drum does away with this, and is very easily put in operation. It can be used in con-

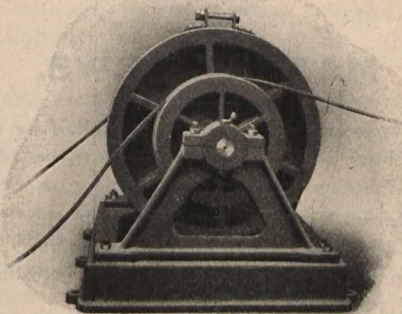


Fig. 3.
Side View, Showing Lead of Lines.

nection with dredges, excavators, travelling derrick, guy and stiff-leg derrick, locomotive cranes, and in fact almost every style of machine capable of operating an automatic bucket.

These hoisting drums are manufactured by The Hayward Company, 97-103 Cedar Street, New York, N.Y.

BOLT DRIVERS.

An extremely handy lathe attachment has just been brought to our notice by Armstrong Bros.' Tool Company, Chicago, Ill., in the shape of a bolt driver, for turning square,

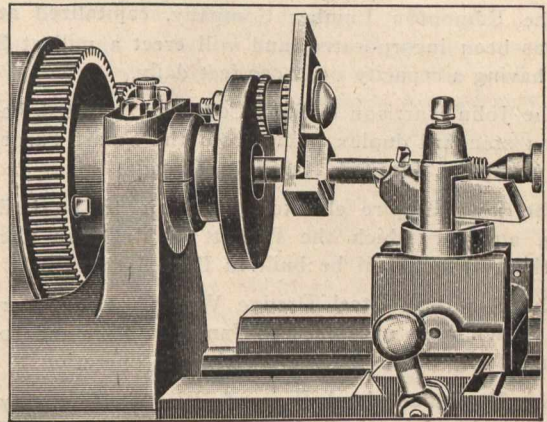


Fig. 1.

flat, or hexagon stock. Fig. 1 shows the driver, which is drop forged from bar steel. It is well designed, and easily adjusted. Fig. 2 shows the driver attached to the lathe. By

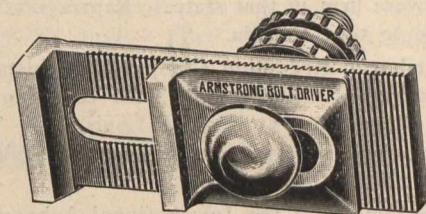


Fig. 2.

means of the extension washer shown between face plate and driver body, the driver can be adapted to use with centres of varying lengths.

**INDUSTRIAL NOTES.**

The new factory of the W. R. Woodman Mfg. & Supply Co., Boston, Mass., is completed, and they are now in a position to fill all orders, whether large or small.

The Cling-Surface Company are about to establish a depot in Toronto, and all orders from Ontario and the Western Provinces will be filled from that place.

The Forwell Foundry Company, Berlin, have recently ordered a hand power travelling crane from the Smart-Turner Machine Company, Limited, Hamilton, Canada.

John F. Allen, 370-372 Gerard Avenue, New York City, report that they have just made a shipment of two 72" Allen riveters to Japan, the order for which was received by them through Mitsui & Company, of New York City.

The Robins Conveying Belt Company has recently opened an office in the Frick Building, Pittsburgh, Pa. Mr. G. R. Delamator, their resident engineer, is prepared to receive enquiries from the vicinity of Pittsburgh relating to conveying and hoisting machinery.

That lime can be successfully burned in rotary kilns fired with producer gas has been demonstrated at Natural Bridge, N. Y., where the New York Lime Company has recently put in successful operation a 100'x6' rotary kiln. The gas is of the high quality made by the Morgan Continuous Gas Producer, with automatic feed.

The Singer Mfg. Company, Elizabethport, N. J., are equipping their hand-fired gas producers with automatic feeds, supplied by the Morgan Construction Company. It is expected that the cost of these feeds will be paid for in the savings effected in the fuel and labor bill during the first year of operation, in addition to making the gas supply uniform in quality and quantity.

The Smart-Turner Machine Company, Limited, Hamilton, Ont., have recently received an order from the Sudbury Building Supply Company for one of their automatic receivers.