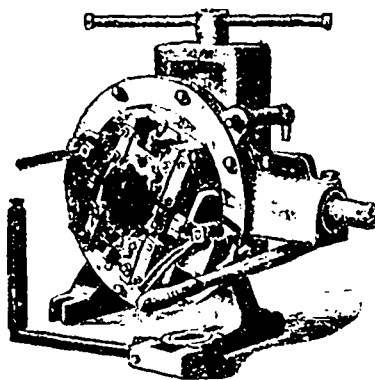


A NEW PIPE THREADING MACHINE.

A new machine which has just been placed on the market by the Armstrong Mfg. Co., of Bridgeport, Conn., is shown in the accompanying illustration. It is built on the same general plan of some smaller machines manufactured by the company, but it has some important modifications. The new machine will thread pipe from one to four inches in diameter. It uses the regular Armstrong stock dies which are put into the machines and adjusted in the same manner as the hand stock. The dies can be opened after cutting the thread, and when the pipe is removed can be locked back to the standard size without resetting. This is accomplished by an automatic locking device which is operated by simply pulling a lever. This lever is an improvement over the old form of machine, and is shown at the left of the illustration. The dies however, can be adjusted to the variations

of fittings the same as in the stock. All the gears and moving parts of the machine run

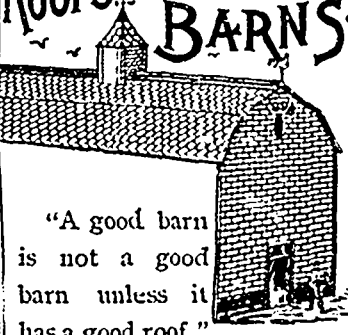


Armstrong Pipe-threading Machine.

in oil, being enclosed in a chamber which covers them from chips and dust. The die

head has no teeth on the part where it fits into the shell and forms a bearing, in this way preserving its bearing surfaces and making it impossible to get loose. In addition to this bearing being preserved by not revolving on top of the gear teeth, there is an inner journal of large diameter, thereby still increasing its wearing surface, and preventing the die head from becoming loose. A powerful, self centering vise, which exerts its power on the centre of the jaws and not on the side, is used with this machine, and will hold the pipe being threaded with a light pressure of the lever. The construction of the machine admits of its being fastened to a bench or placed on an iron stand which is furnished when desired. The machine here shown is designated as No. 00 and has a cutting off attachment for cutting pipes the same as the Armstrong Co.'s larger machines. The total weight of the new machine, without the stand, is 370 pounds.

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