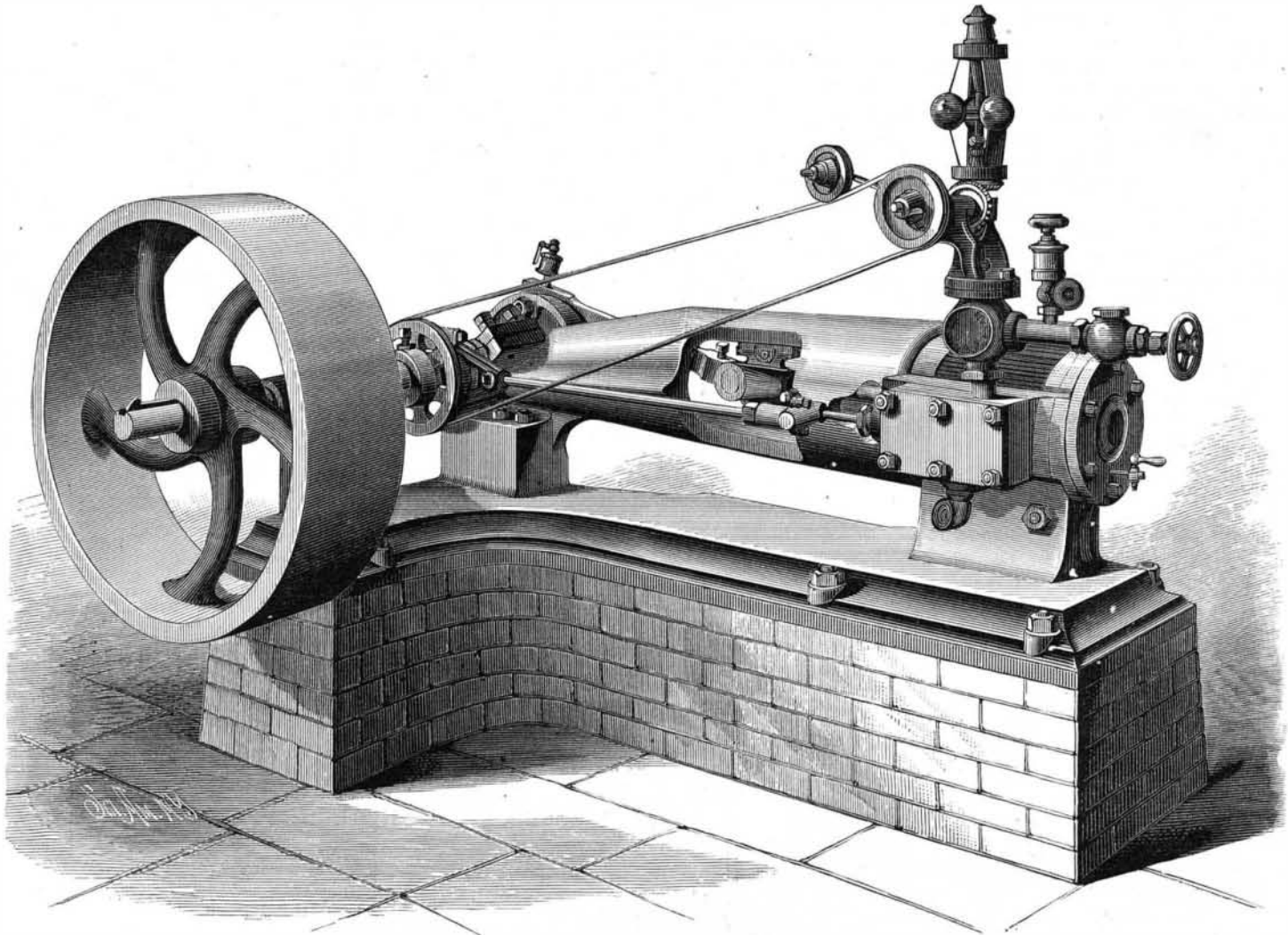


IMPROVED STATIONARY ENGINE.

The annexed engravings represent a style of girder frame stationary engine built by the Taylor Manufacturing Company, of Westminster, Md., from 4 x 7 cylinder to 10 x 12 cylinder, or from 3 to 20 horse power. This engine, which the manufacturers call the "Tiger Stationary Engine," was recently designed by the company to be built as a portable or a stationary engine, and it can be equally as well built

The shaft is of steel, and carries a balanced disk, and the shaft and the crank pin are forced into the disk by hydraulic pressure. The crank pin is large and of the best steel. Connecting rod is of forged iron with solid ends, in all sizes up to 8-inch cylinder; the four larger sizes are made with locomotive straps having square ends. The cross-head is made with adjustable gibs, and is very easily adjusted; cross-head pin is of steel, and arranged to take up all wear.

This company, besides the above engine, manufacture the Dry Steam Portable, from 8 to 40 horse power; Climax Portable, from 12 to 40 horse power, which can also be used as a stationary; vertical, from 5 to 10 horse power; portable engines after the pattern of the stationaries illustrated, from 3 to 20 horse power; stationary cut-off engines, from 12 to 250 horse power, and five sizes of circular saw mills. They are building new and extensive works at Chambers-



"TIGER" STATIONARY ENGINE.—REAR VIEW.

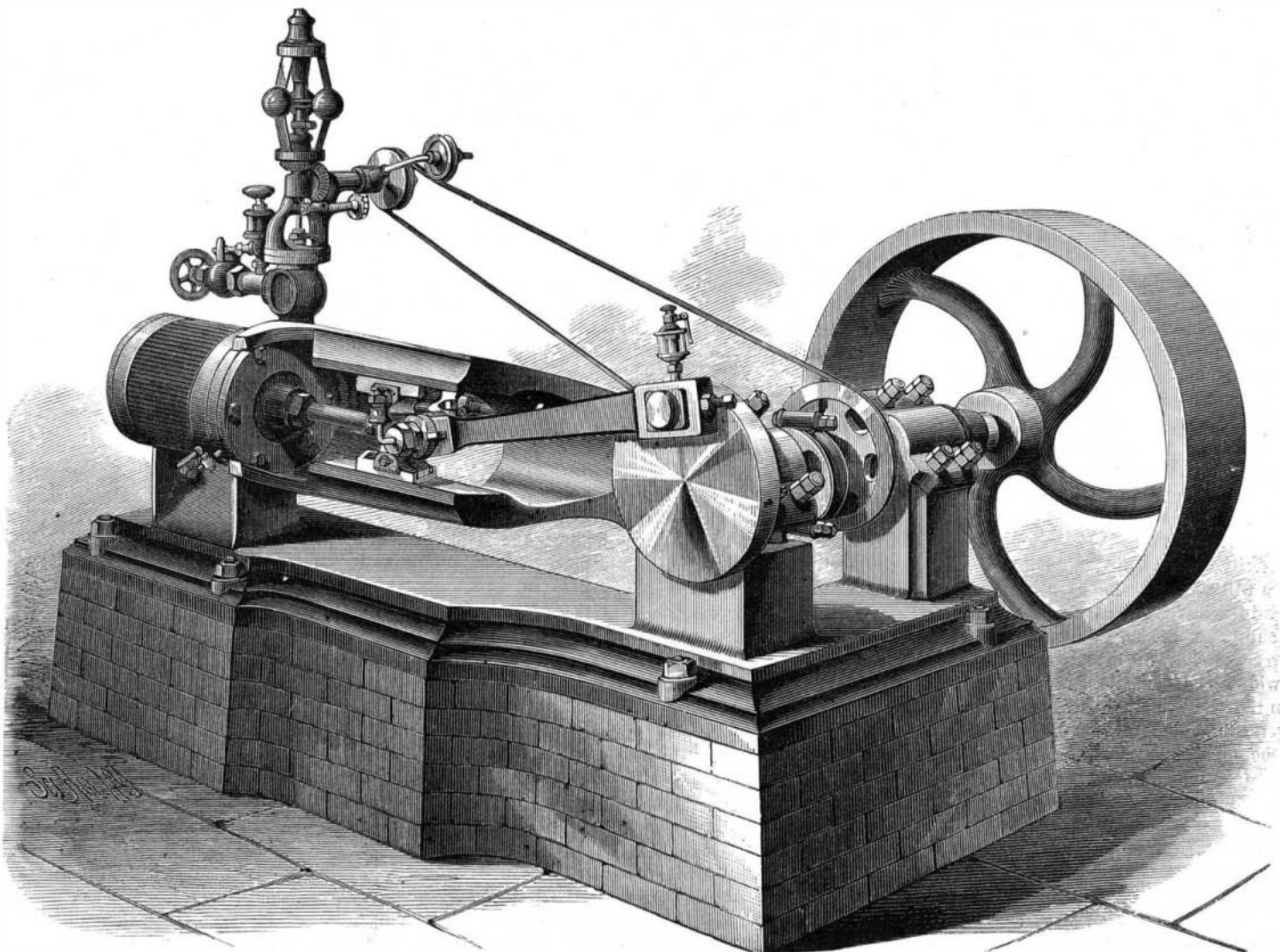
as other engines by the same manufacturers, and can be sold at a less price.

As a portable, the bed plate is dispensed with, and in the smaller size the engine is bolted directly to the boiler; in larger sizes it is secured to brackets on boiler. When used as a stationary, it is bolted to a bed plate, as shown in engravings, and, as both bearings are on the bed plate, the engine is self-contained, and any failure of foundations will not affect its working.

Piston is fitted with adjustable packing, and is not liable to get out of order. The Pickering governor is used in connection with this engine; it is very sensitive and economical in its use of steam. The valve is of the usual D valve pattern, proportioned on correct principles; the steam ports are large and distance to cylinder short, giving the best results in a quick acting machine. It is a strong, stiff engine, attractive in appearance, and, as we are informed, can be sold at a low price.

burg, Pa., and will move their entire plant there in November next, where they will have excellent facilities for handling their large and growing trade. Further particulars may be obtained by addressing Taylor Manufacturing Company, Westminster, Md.

Of the 600,000 tons of fertilizers sold annually in the United States, Baltimore furnishes one-third, or 200,000 tons.



THE "TIGER" STATIONARY ENGINE, MADE BY THE TAYLOR MANUFACTURING CO.