H. P. EILERS.

REVERSIBLE TABLE FOR DRILL PRESSES.

APPLICATION FILED JUNE 3, 1918.

1,321,724. Patented Nov. 11, 1919.

Fig. 1.

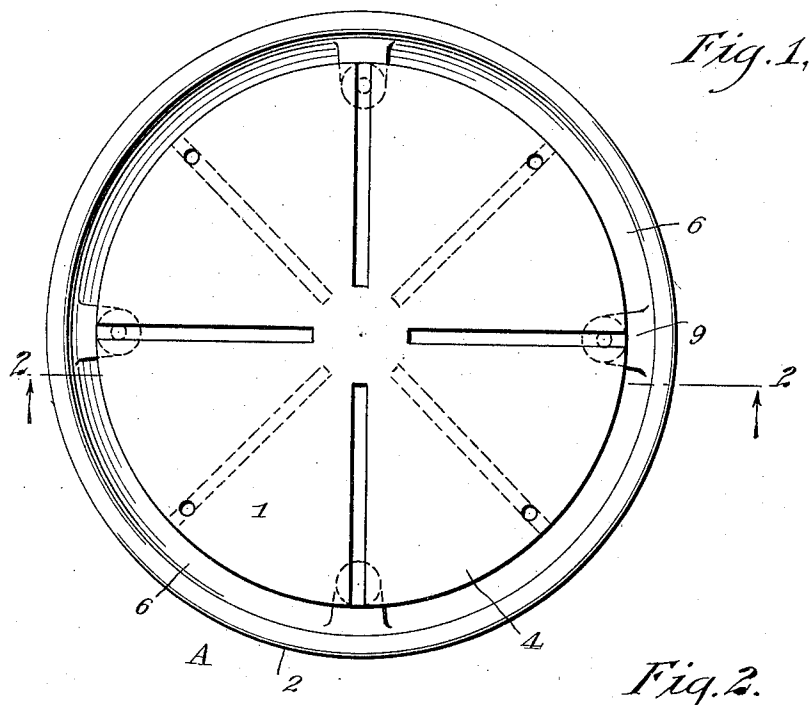
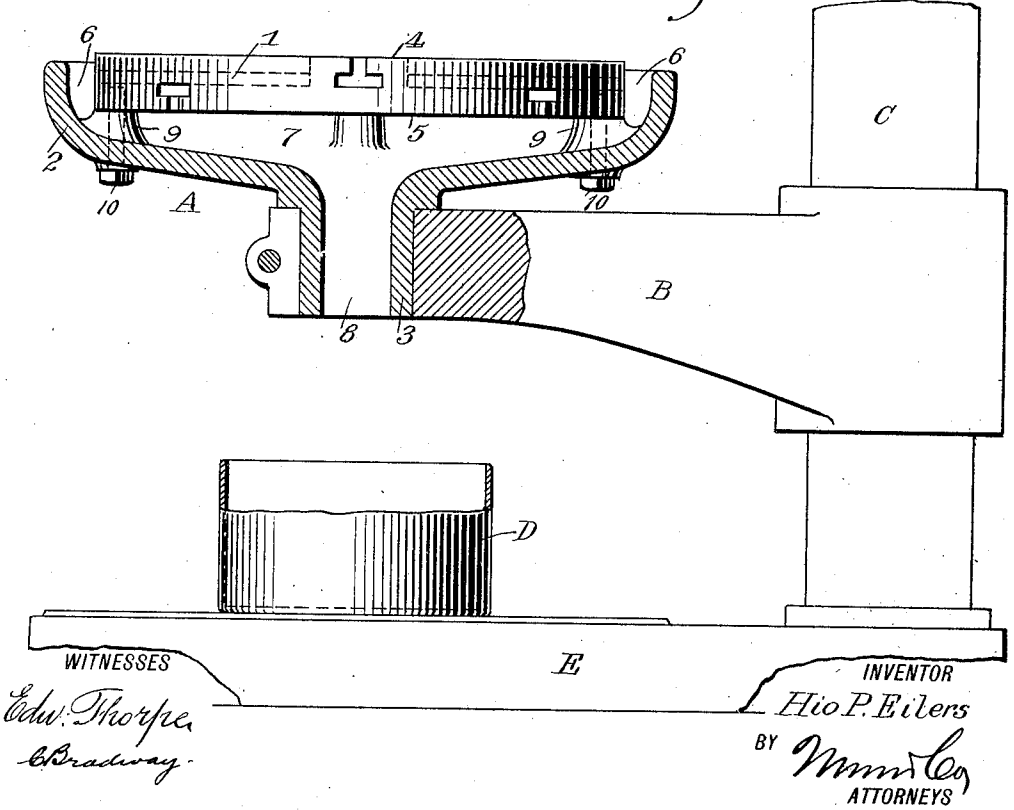


Fig. 2.



WITNESSES

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REVERSIBLE TABLE FOR DRILL-PRESSES.

1,321,724. Specification of Letters Patent. Patented Nov. 11, 1919.

Application filed June 3, 1918. Serial No. 237,993.

To all whom it may concern:

Be it known that I, HIO P. EILERS, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Reversible Table for Drill-Presses, of which the following is a full, clear, and exact description.

This invention has for its general objects to provide a work table provided with a plate which is removably fastened in place and can be reversed when the normal top face becomes worn, whereby the life of the work table is doubled.

Another object of the invention is to provide a table which embodies an oil collection pan in which is mounted the work-carrying plate, the pan permitting a liberal supply of oil without waste as the oil is collected and drains into a suitable receptacle.

With such and other objects in view, the invention comprises various novel features of construction and arrangement of parts which will be set forth with particularity in the following description and claims appended hereto.

In the accompanying drawing which illustrates one embodiment of the invention and wherein similar characters of reference indicate corresponding parts in both the views,

Figure 1 is a plan view of the work table; and

Fig. 2 is a side view of the lower portion of a drill press with the work table in section.

Referring to the drawing, A designates a work table, which in the present instance is made in two parts, one part being a plate 1 and the other a pan 2 in which the plate is fastened, and the pan has a central stem or shank 3 which is clamped in the usual manner in the table-supporting arm B carried by the column C of the drill press.

The plate 1 has flat upper and lower surfaces 4 and 5, and the plate is removably mounted in the pan so that when one face is worn away the plate 1 can be detached and reversed and again fastened in place, thereby doubling the life of the table. The pan 2 is a cast metal or other structure of somewhat larger diameter than the plate 1, so that the latter sets into the same, with ports or openings 6 around the periphery of the plate so that oil can flow off the latter and drain into the chamber 7 of the pan. The oil in the chamber 7 flows down the bore 8 of the stem 3 and is collected in any suitable manner, as, for instance, by dripping into a receptacle D on the base E of the drill press. The pan 2 has a plurality of lugs 9 which form seats for the plate 1, and through these lugs pass bolts or screws 10 for movably holding the work plate 1 in place.

From the foregoing description taken in connection with the accompanying drawing, the advantages of the construction and method of operation will be readily understood by those skilled in the art to which the invention appertains, and while I have described the principle of operation, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as fall within the scope of the appended claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A work table for drill presses and the like, comprising a plate having finished upper and lower faces, and a support on which the plate is reversibly mounted, said support having rests on which the plate seats near its periphery; together with means associated with said seats to fasten the plate in position.

2. A work table for drill presses and the like, comprising a plate having finished upper and lower faces, and an oil-collecting pan forming a support in which the plate is reversibly mounted.

3. A work table for drill presses and the like comprising a plate, an oil-collecting pan forming a support for the plate, there being drainage ports between the plate and pan, a tubular stem on said pan through which oil may find an outlet from the pan, and means to support said pan.

4. A work table for drill presses and the like, comprising a plate having finished upper and lower faces, and a support on which the plate is reversibly mounted.

HIO P. EILERS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."