

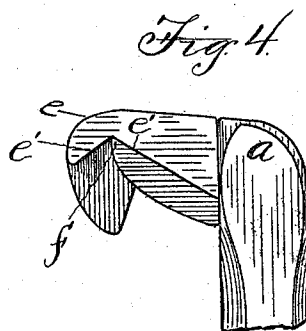
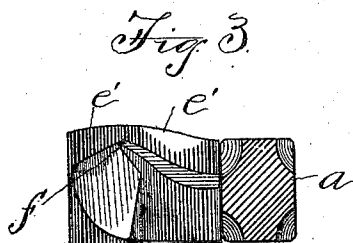
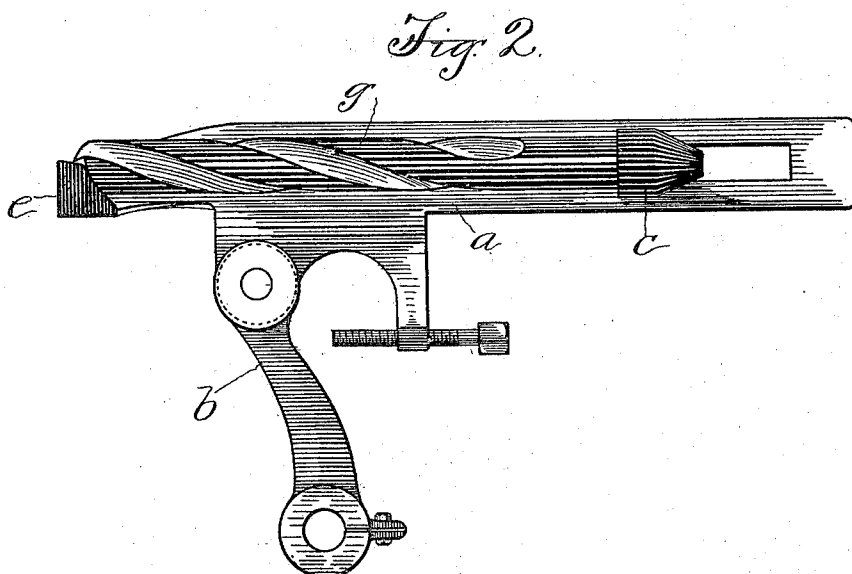
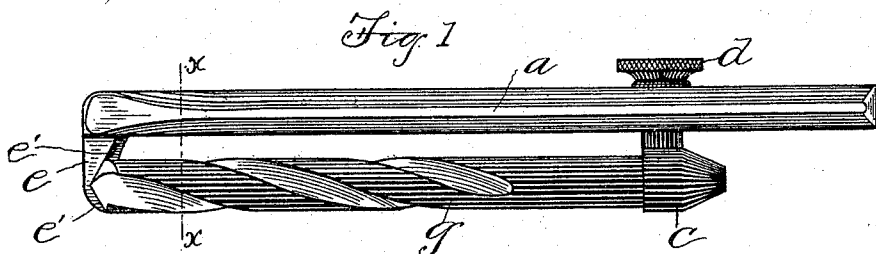
(No Model.)

J. H. AGESEN.

ATTACHMENT FOR DRILL GRINDING MACHINES.

No. 572,944.

Patented Dec. 15, 1896.



Witnesses
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JOHN H. AGESEN, OF HIGGANUM, CONNECTICUT.

ATTACHMENT FOR DRILL-GRINDING MACHINES.

SPECIFICATION forming part of Letters Patent No. 572,944, dated December 15, 1896.

Application filed May 6, 1896. Serial No. 590,456. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. AGESEN, a citizen of the United States of America, residing at Higganum, in the county of Middlesex and State of Connecticut, have invented a certain new and useful Improvement in Attachments for Drill-Grinding Machines, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is a top view of drill-holder and drill. Fig. 2 is a side view of the same attached to a support. Fig. 3 is a view in vertical cross-section on the plane denoted by $x x$ with the drill removed, looking in the direction indicated by the arrow. Fig. 4 is a top view of the parts shown in Fig. 3 with the drill removed.

The object of the improvement is the production of a device, mechanism, or apparatus adapted to be an attachment to or a part of a drill-grinding machine. It is specially adapted to hold a drill for grinding the bottom of the flutes at or near the point of a drill.

In the accompanying drawings the letter a denotes a support-bar pivotally attached to the upright b .

The letter c denotes a holder for the butt-

end of the drill, wherefore it may well be termed a "butt-holder." It is longitudinally adjustable along the length of the support-bar and is fastened in any desired position by means of the nut d .

The letter e denotes a part projecting from one side of the support-bar and adapted to hold the point of the drill, wherefore it may well be termed a "point-holder." It is provided with the converging faces e' and the point-rest f .

By means of the construction already described the drill g may be fastened in place with very slight trouble, either side up, and the bottom of the flute at or near the point of the drill is then adapted to be acted upon properly by a suitably located and shaped grinding-wheel.

I claim as my improvement—

In combination, the support-bar a , the butt-holder c , and the point-holder e provided with converging faces e' and point-rest f , all substantially as described and for the purposes set forth.

JOHN H. AGESEN.

Witnesses:

GEORGE H. ATKINS,
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