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G. BOGGIO

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AUGER

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Fig. 1.

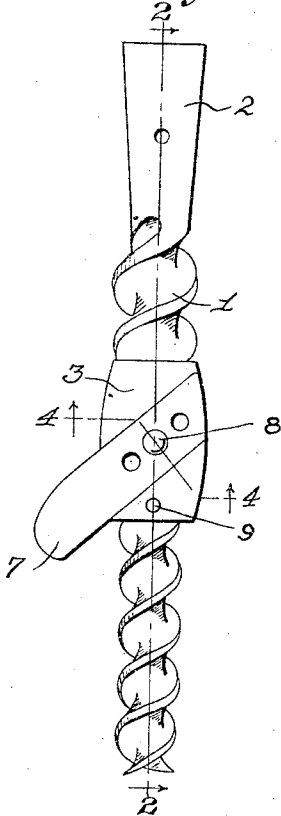


Fig. 2. *Fig. 3.*

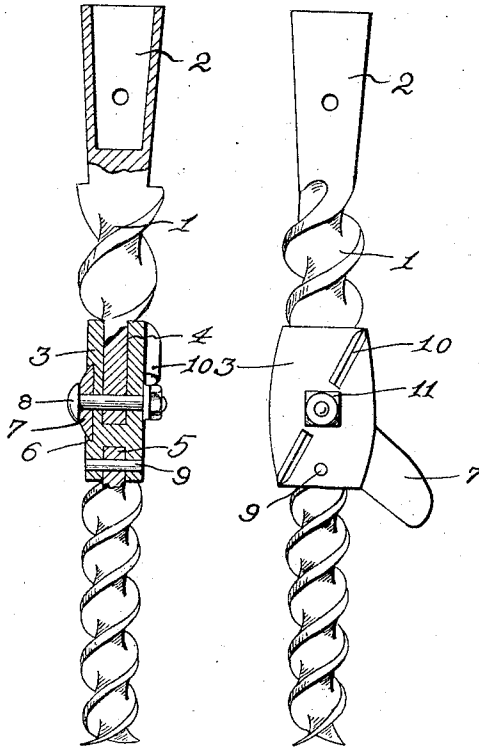
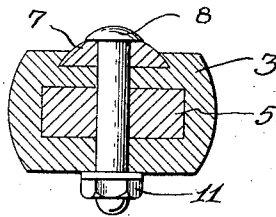


Fig. 4.



M. J. Trainor
WITNESS: *L. B. Middleton*

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UNITED STATES PATENT OFFICE.

GIUSTO BOGGIO, OF ROYALTON, ILLINOIS.

AUGER.

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To all whom it may concern:

Be it known that I, GIUSTO BOGGIO, a subject of the King of Italy, residing at Royalton, in the county of Franklin and State of Illinois, have invented new and useful Improvements in Augers, of which the following is a specification.

This invention relates to an auger, the general object of the invention being to provide means for counterboring the hole made by the auger, such means forming part of the auger and being adjustable so as to make different sizes of recesses.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is an elevation of the improved auger.

Figure 2 is a sectional view on line 2—2 of Figure 1.

Figure 3 is a rear view.

Figure 4 is a sectional view on line 4—4 of Figure 1.

In these views, 1 indicates the shank of the auger which is formed of two parts, the upper part carrying the socket 2 for receiving the actuating tool. A head 3 is provided with a rectangular bore 4 for receiving the reduced ends 5 of the two parts of

the shank and with a dove-tail groove 6 on one face, which is inclinedly arranged, to receive the bit 7. A bolt 8 passes through the bit, the head and the reduced part of the upper part of the shank to hold the parts together, the bit being provided with a number of holes, for engagement by the bolt, so that the bit is adjustably held in the groove in the head. The lower part of the shank is held in the lower part of the bore of the head by a pin 9. Ribs 10 are inclinedly arranged on the rear part of the head, one on each side of the nut 11 on the bolt, for removing the material cut by the bit from the hole.

From the above it will be seen that the device will make a recess at the outer end of a hole made by the auger for receiving the head of a bolt or the like and said recess can be made of different sizes by adjusting the bit on the head.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

An auger of the class described having a head connected with its shank inclinedly arranged ribs on one face of the head, a bit inclinedly arranged on the other face of the head and means for adjustably holding the bit on the head.

In testimony whereof I affix my signature.

GIUSTO BOGGIO.