Christian Monson.

Improved Augur.

104335 PATENTED JUN 14 1870

Fig. 1.

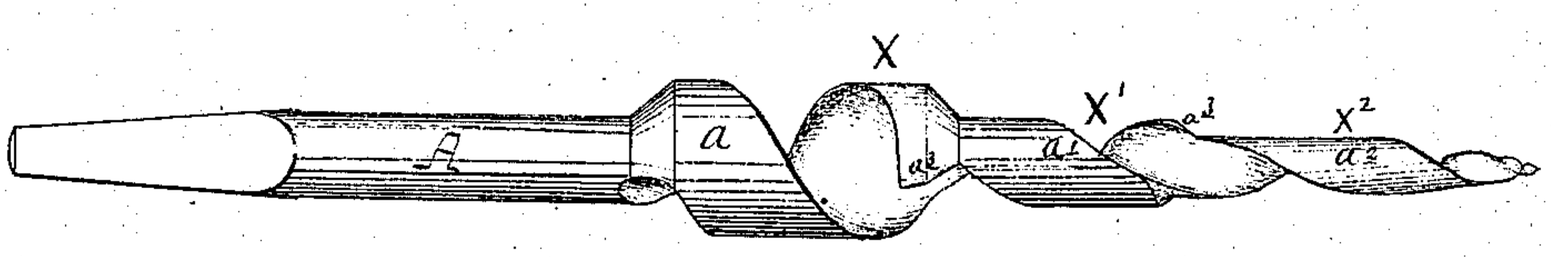


Fig. 2.

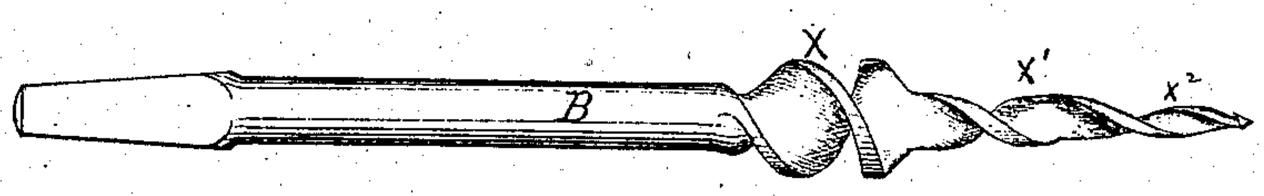
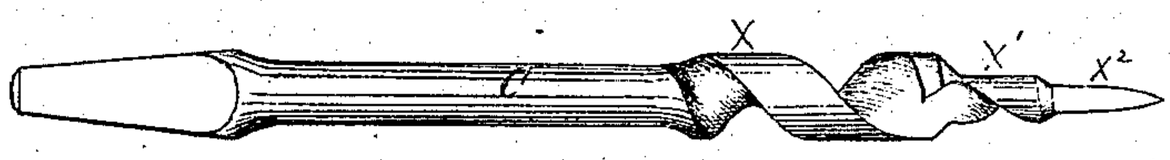


Fig. 3.



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

CHRISTIAN MONSON, OF MOSCOW, WISCONSIN.

IMPROVEMENT IN AUGERS.

Specification forming part of Letters Patent No. **104,335**, dated June 14, 1870.

To all whom it may concern:

Be it known that I, CHRISTIAN MONSON, of Moscow, in the county of Iowa and State of Wisconsin, have invented a new and useful Improvement in Augers; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention has for its object the production of a tool which shall not only be capable of boring different sizes of holes, but shall also be especially adapted for making holes for screws, and consists in constructing the tool, at certain intervals, of different sizes, and also in giving the parts a tapering form.

In the drawing, various modified forms of my improved auger are shown.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and operation.

A represents a bit or auger, which is provided with three distinct sizes of screws, a a^1 a^2, as shown. Each of these parts is made tapering in form, and the larger of the three is also provided with a projection, a^3, by means of which it is especially adapted for countersinking. B represents a modification of the above, which is provided with two sizes of screws, and has a double thread. The point, also, is somewhat differently constructed, being provided with slight projections, which are not easily worn or broken. C also represents a modification of the first form, which is provided with two sets of screws, and has a triangular-shaped point. This latter form is well adapted for easily penetrating the wood, and it cannot well be broken or made dull.

The tool herein described may be used for boring different sizes of holes, and is also especially adapted for making holes for screws, inasmuch as the boring and countersinking may be accomplished at a single operation. The tapering form also provides for the blank part of the screw, which is larger than the threaded part.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A boring-tool having the parts x x^1 x^2, constructed of different sizes, and having a tapering form, as shown and described.

This specification signed and witnessed this 3d day of January, 1870.

CHRISTIAN MONSON.

Witnesses:

G. W. FORD,

CHARLES S. FORD.