

Evans & Hayden,

Auger Mold.

No. 88,559.

Patented Apr. 6, 1869.

Fig. 1.

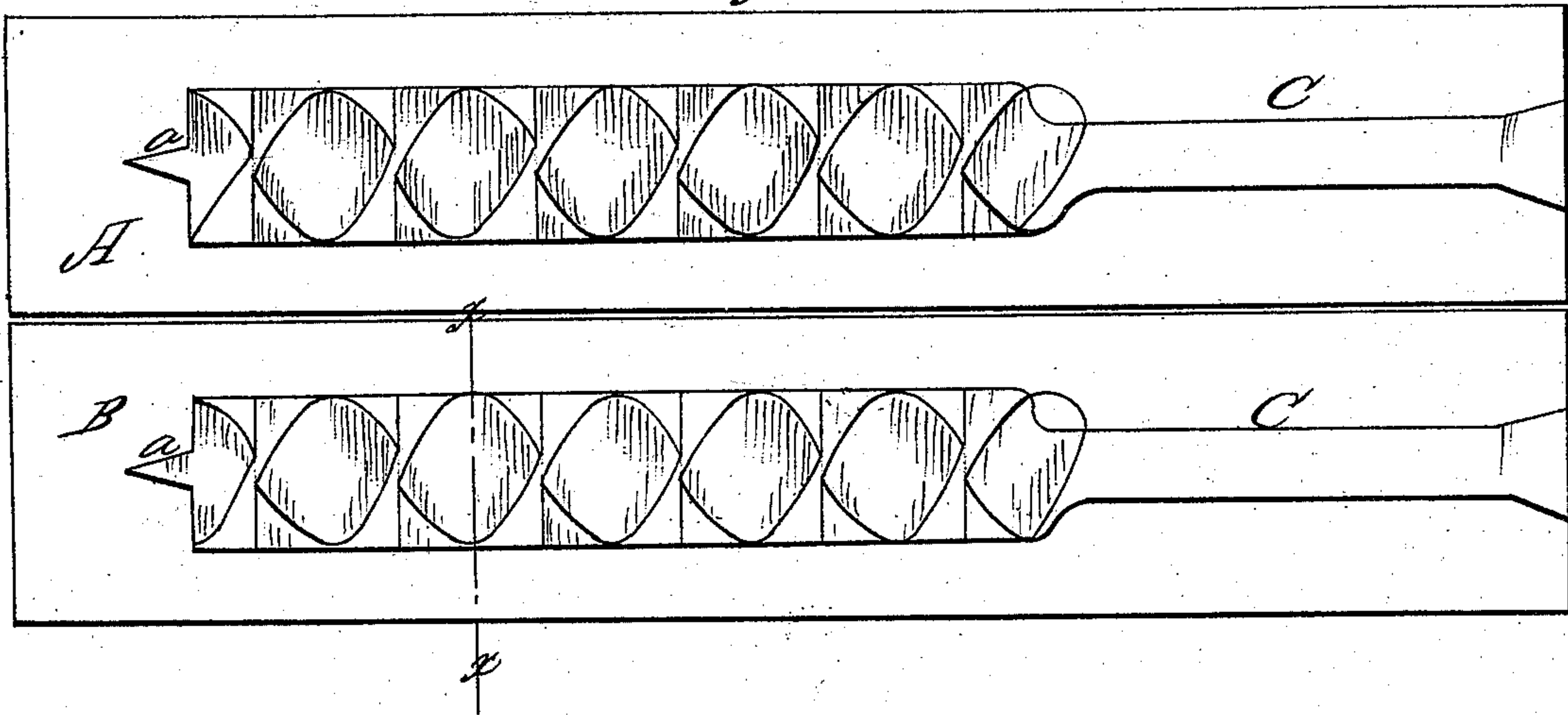
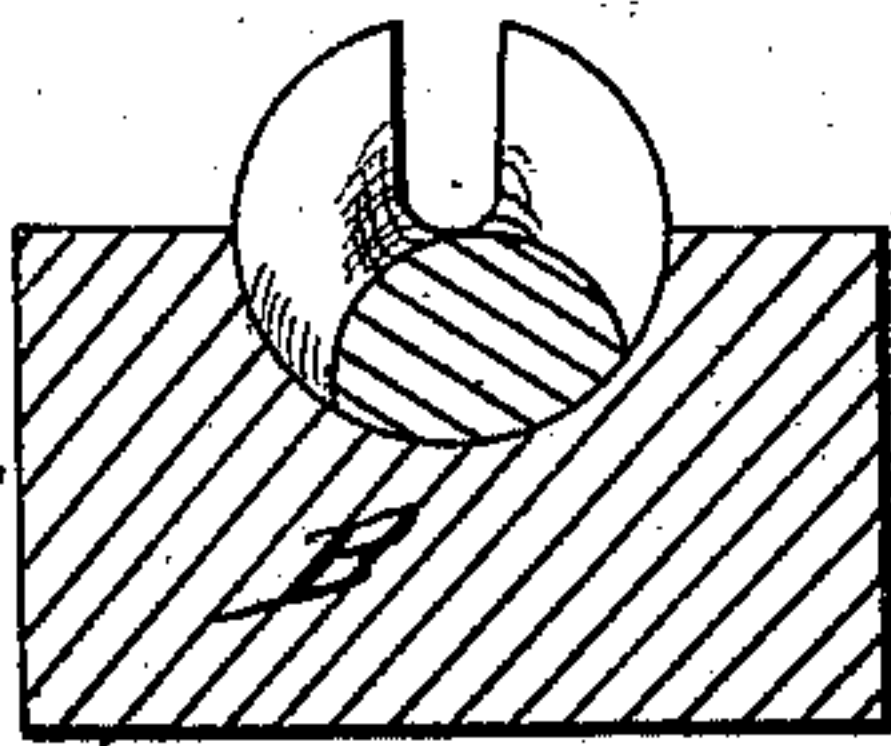


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM EVANS AND RICHARD E. HAYDEN, OF SEYMOUR, CONNECTICUT.

IMPROVEMENT IN MOLDS FOR CASTING AUGERS.

Specification forming part of Letters Patent No. **88,559**, dated April 6, 1869.

To all whom it may concern:

Be it known that we, WILLIAM EVANS and RICHARD E. HAYDEN, of Seymour, in the county of New Haven and State of Connecticut, have invented a new Improvement in Casting Augers; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, the two parts of the mold laid one from the other, and in Fig. 2 a section of the part B on line *x x*.

The object of this invention is to cast, from cast-steel or other suitable metal, twist-augers.

Our invention, therefore, consists in the peculiar formation of the mold or flask, whereby we are enabled to completely form twist-augers by pouring into the said flask or mold suitable metal.

In order to the clear understanding of our invention, we will fully describe the same as illustrated in the accompanying drawings.

A represents one part of the mold, and B the other part, both parts alike, the flask divided centrally to the mold, and at the mold each part is cut at right angles through each twist, leaving one-half of each twist fully formed in each mold, as seen in Fig. 2, and so that when the two parts are laid together the one part of the twist will fit into the other, so that the space between the two will be of the form of the twist required, and these molds are constructed with a recess, *a*, for the point and for the shank or spindle C of the auger. The mold thus prepared and the two parts secured together, the molten metal (steel by preference) is poured into the flask in the usual manner.

Having fully described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is—

The molds, constructed substantially as herein described, for casting twist-augers.

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