

(No Model.)

W. W. WILD.
TOOL FOR SPLITTING STONE.

No. 300,423.

Patented June 17, 1884.

Fig. 1.

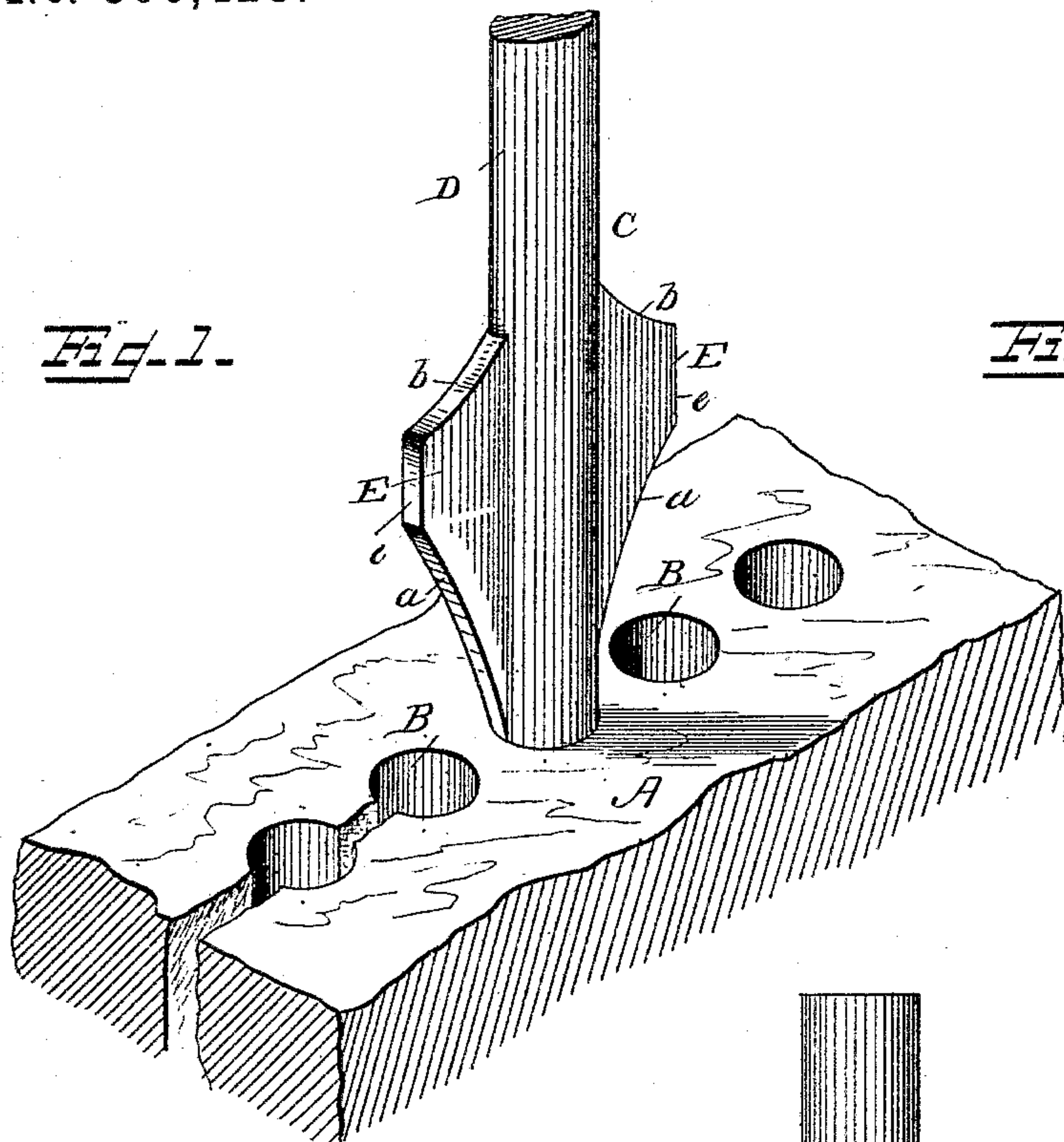


Fig. 2.

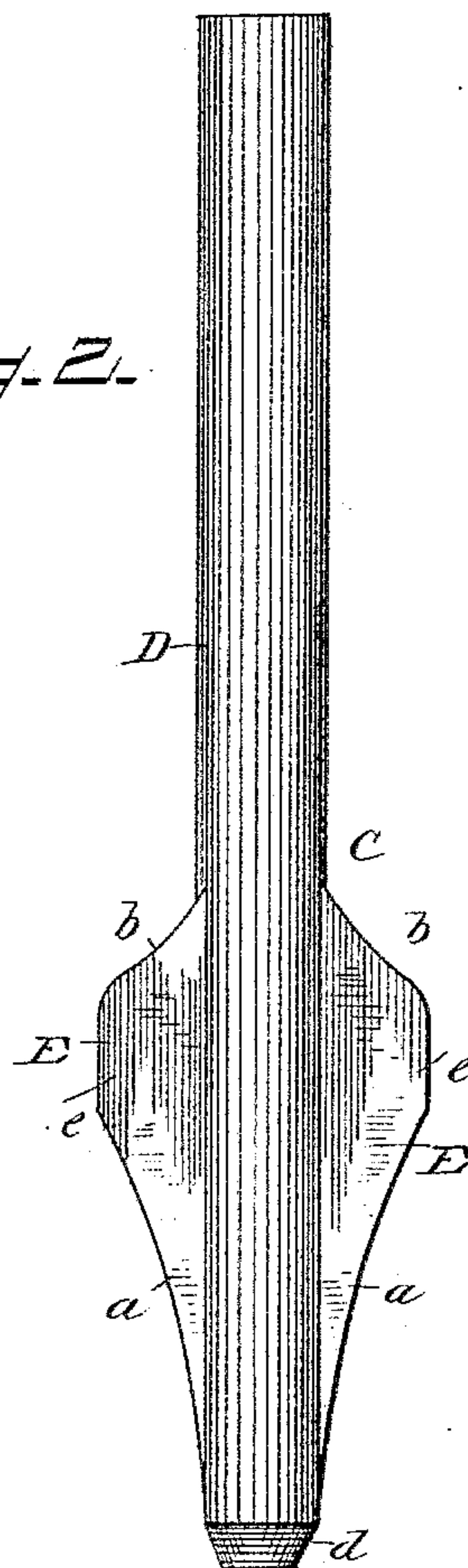


Fig. 3.

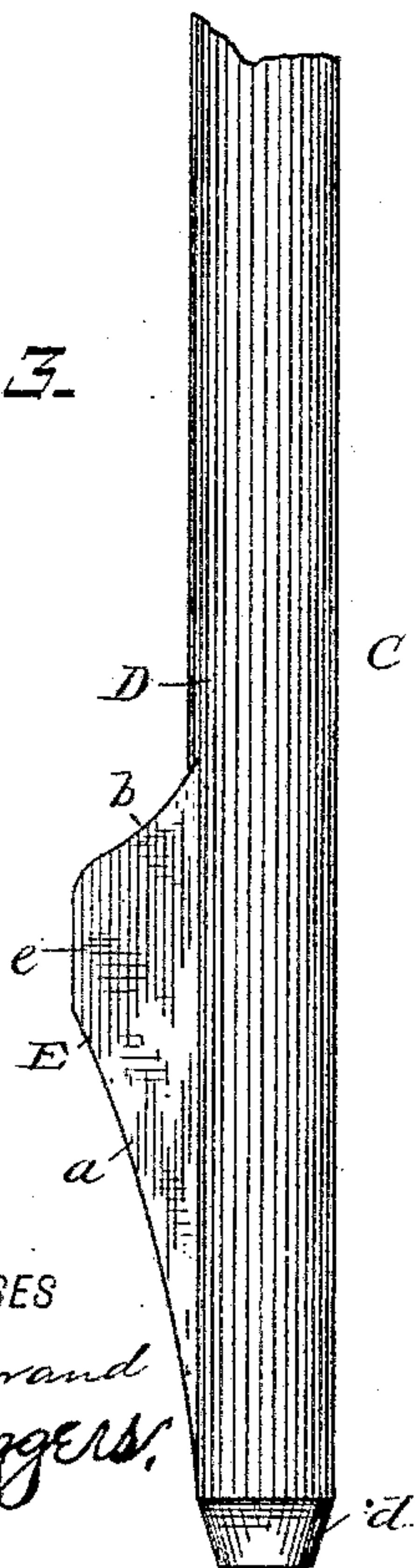
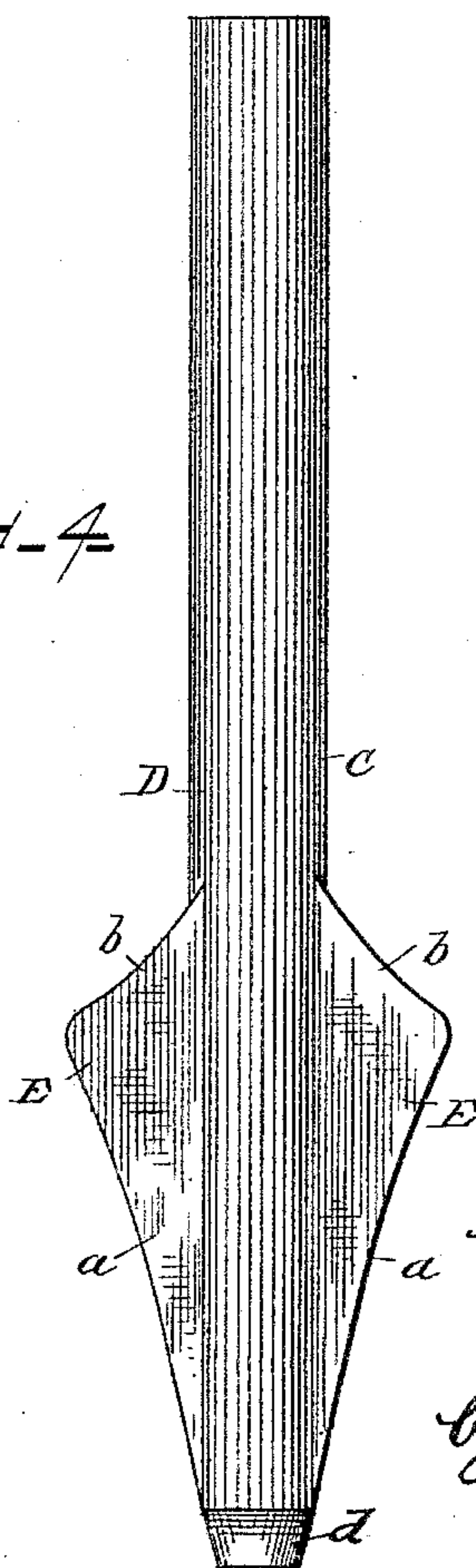


Fig. 4.



WITNESSES
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WARREN W. WILD, OF LEE, MASSACHUSETTS.

TOOL FOR SPLITTING STONE.

SPECIFICATION forming part of Letters Patent No. 300,423, dated June 17, 1884.

Application filed January 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, WARREN W. WILD, a citizen of the United States, residing at Lee, in the county of Berkshire and State of Massachusetts, have invented a new and useful Tool for Splitting Stone, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to stone-working tools; and it has for its object to provide a simple, durable, and inexpensive device for cutting or splitting the core between the holes drilled in marble, granite, or any other stone, so as to make a clean channel. Heretofore this has been accomplished by the use of complicated and expensive machinery, which was not certain in its operation and got out of order in a very short time.

To obviate this expense and avoid the aforesaid disadvantages, the said invention consists in a simple tool provided with one or more inclined edges, so as to cut or split the core between the holes drilled in marble or other stone, and form a clean channel, the tool being of such a character that it will not bind in the hole, but will work with ease and rapidity.

With these and other objects in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my invention in operation. Fig. 2 is a detail perspective view of the tool. Figs. 3 and 4 illustrate modifications in the construction.

Like letters refer to corresponding parts in the several figures.

Referring to the drawings, A designates a piece of marble or other stone in which are drilled the holes B, by any suitable drilling-machine, through the stone for any desired distance.

C designates my improved tool, comprising a cylindrical body, D, having its lower end rounded, as at *d*, and formed on each side with fins or extensions E, the latter being diametrically opposite each other, and formed with an edge, *a*, inclining outward from the bottom of the fin, and an edge, *b*, inclining outward from the top of the same, the said edges *a* *b* being connected by an intermediate straight

portion, *e*. Each of the fins is constructed substantially of the shape shown and described, so that the edge *a* bears against the core when the tool is moving downward, the intermediate straight portion preventing the tool from binding in the channel.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings.

The tool forms a wedge, as will be seen, the cylindrical body D fitting in the hole B, and the fins working against the cores separating the holes, so that by means of a sledge-hammer or other suitable instrument sufficient power is applied to the tool to cause the fins to bear against the cores and split or cut them, as shown. Thus it will be seen that my improved tool acts as a wedge to cut or split the cores separating the holes B, the power being applied by a sledge-hammer or other instrument, as stated, so that the tool will cut two cores at the same time, thus effecting a great saving over the common means of cutting the cores.

In Figs. 3 and 4 I have shown two other forms of tools, one of which is provided with only one fin or extension and the other having two fins of a different form, the straight intermediate portion, *e*, being omitted. It will be obvious that I may resort to these and other modifications without departing from the spirit or scope of my invention.

It will be apparent that my improved tool will cut or split with ease and efficiency the cores between the holes drilled in marble or other stone, and form a clean channel. It will not bind in the hole while working, since it has the wedge-power which adds to the action and strength of the tool. It will save the cost of complicated machinery heretofore used for this purpose, and will form a simple and desirable tool for stone-masons' use.

Having described my invention, I claim—

1. A stone-working tool for cutting or splitting the cores separating the holes drilled in marble or other stone, comprising a cylindrical body having one or more wedging fins or extensions formed thereon, said fins having an inclined edge, *a*, and a straight edge or portion, *e*, as and for the purpose set forth.

2. A stone-working tool for cutting or

splitting the cores separating the holes drilled
in marble or other stone, comprising a cylindrical body having its lower end rounded or
beveled, and wedging fins or extensions formed
5 on the body above the rounded end, said fins
or extensions having inclined edges *a b* and
a straight portion, *e*, as set forth.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
presence of two witnesses.

WARREN W. WILD.

Witnesses:

ALBERT B. CLARK,
NORMAN W. SHORES.