

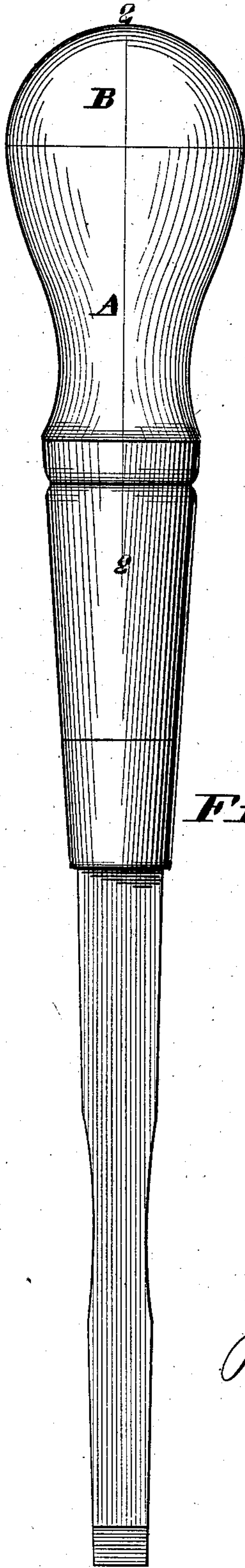
(No Model.)

J. A. KING.  
TOOL HANDLE.

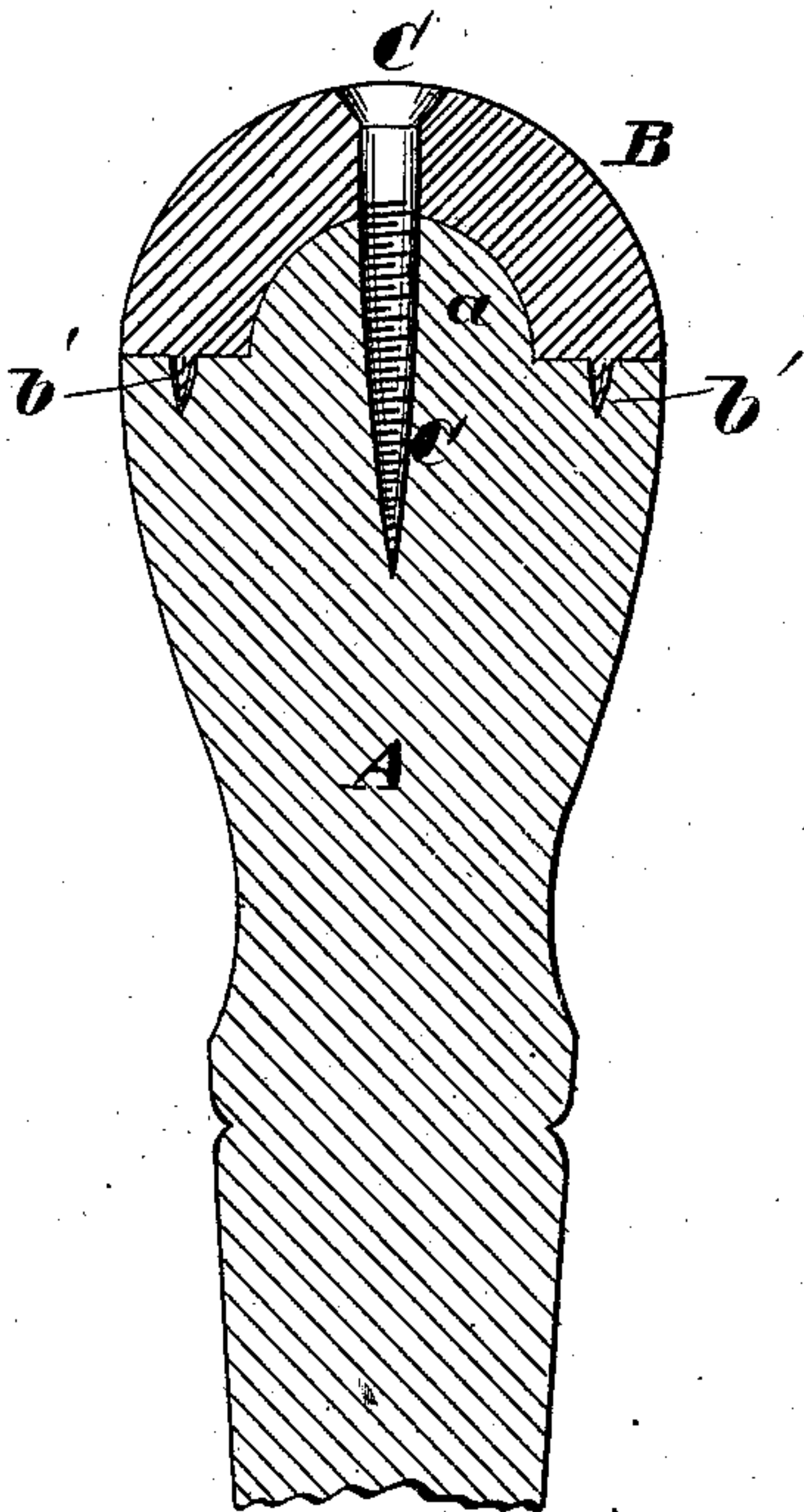
No. 294,633.

Patented Mar. 4, 1884.

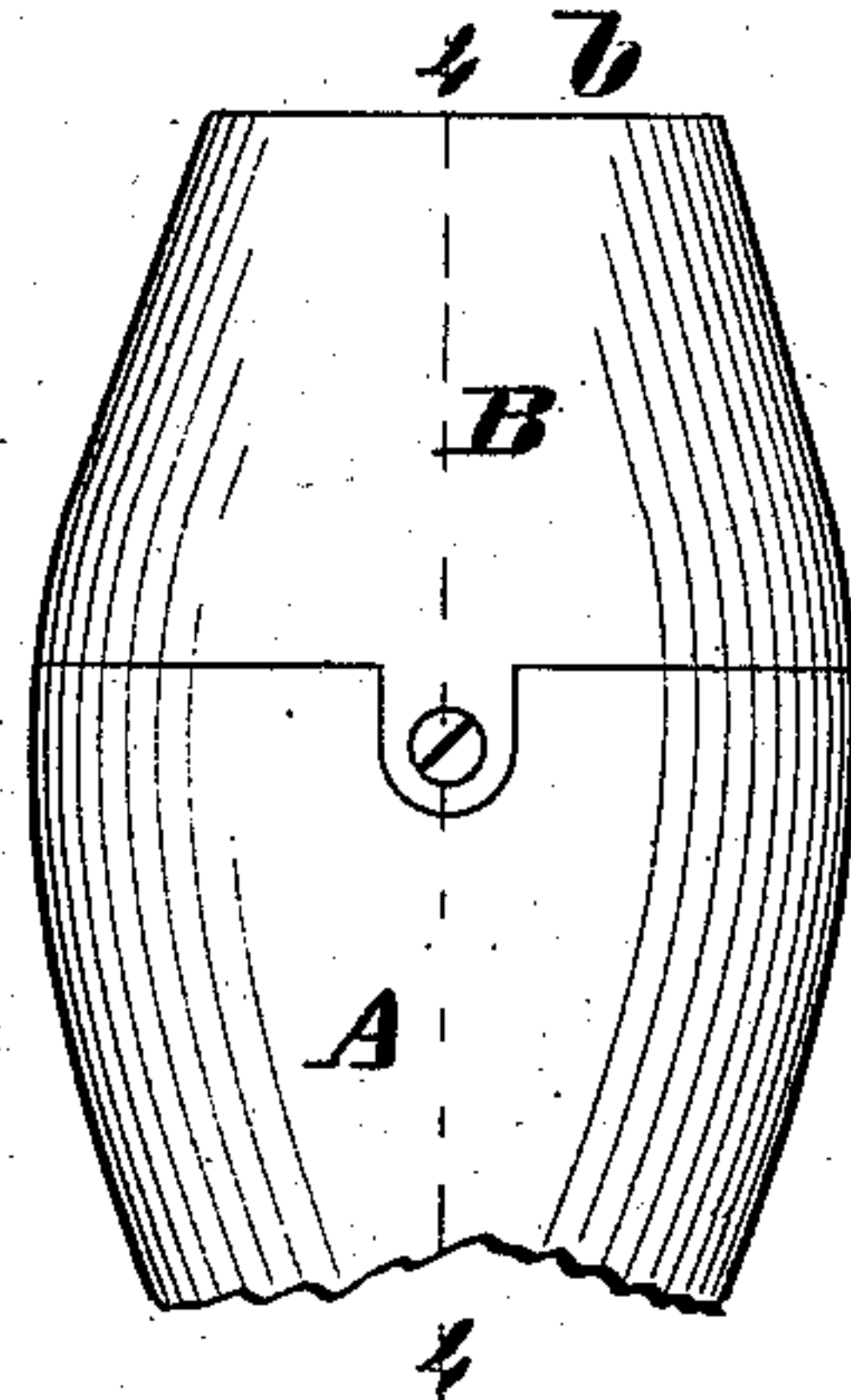
*Fig. 1.*



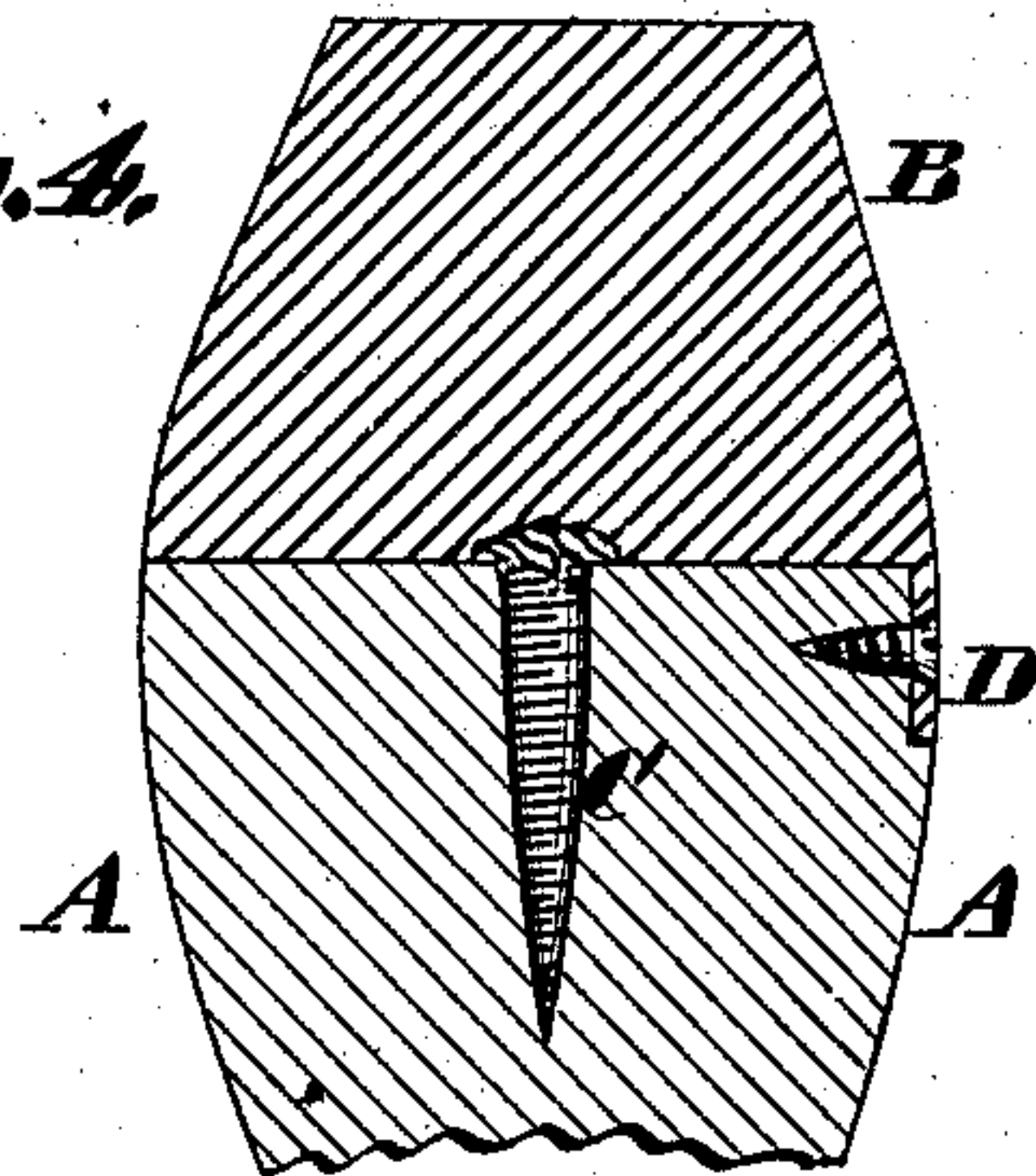
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



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# UNITED STATES PATENT OFFICE.

JOHN A. KING, OF ST. LOUIS, MISSOURI.

## TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 294,633, dated March 4, 1884.

Application filed June 30, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. KING, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Tool-Handles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

In the drawings, Figure 1 is a side view of a screw-driver with my improvement applied thereto. Fig. 2 is a section at 2 2, Fig. 1. Fig. 3 is a detail side elevation, showing a modification. Fig. 4 is a section at 4 4, Fig. 3.

The improvement can be applied to the handles of many kinds of tools. I shall describe it as applied to the handle of a screw-driver, as it is a peculiarly convenient appendage to this tool, forming a hammer, by which the screw is started into the wood preparatory to turning it home by the driver.

A is the wooden portion of the handle, and B is the metal cap. The cap forms a very effective hammer. It may be of any suitable form. In Figs. 1 and 2 it is globular, while in Figs. 3 and 4 it has a flat face, *b*, similar to the face of a hammer.

I do not confine myself to any particular manner of attaching the cap to the part A, but show two plans. The cap B in Figs. 1 and

2 has a recess receiving a globular projection, *a*, of the part A, and steady-pins *b' b'* entering the part A. The cap is held on by a screw, C, passing through the cap and into the part A.

In Figs. 3 and 4 the screw C is made in one piece with the cap. Thus the cap is applied by turning it around, inserting the screw C in part A. To prevent the cap turning backward, it may have a thin lip or lug, D, that may enter a recess in the part A, or be held by a screw or nail.

I am aware that tool-handles have been made with an iron ring or ferrule at the outer end, to prevent the splitting of the handle under the blows of a mallet or hammer, and this I do not claim.

I claim as new and of my invention—

1. A tool having a handle with wooden body for grasping, and a weighted metal cap to adapt it to form a hammer, as set forth.

2. A combined hammer and screw-driver having wooden body A, for grasping, and weighted metal cap for driving a screw, as set forth.

JOHN A. KING.

Witnesses:

SAML. KNIGHT,  
JOS. WAHLE.