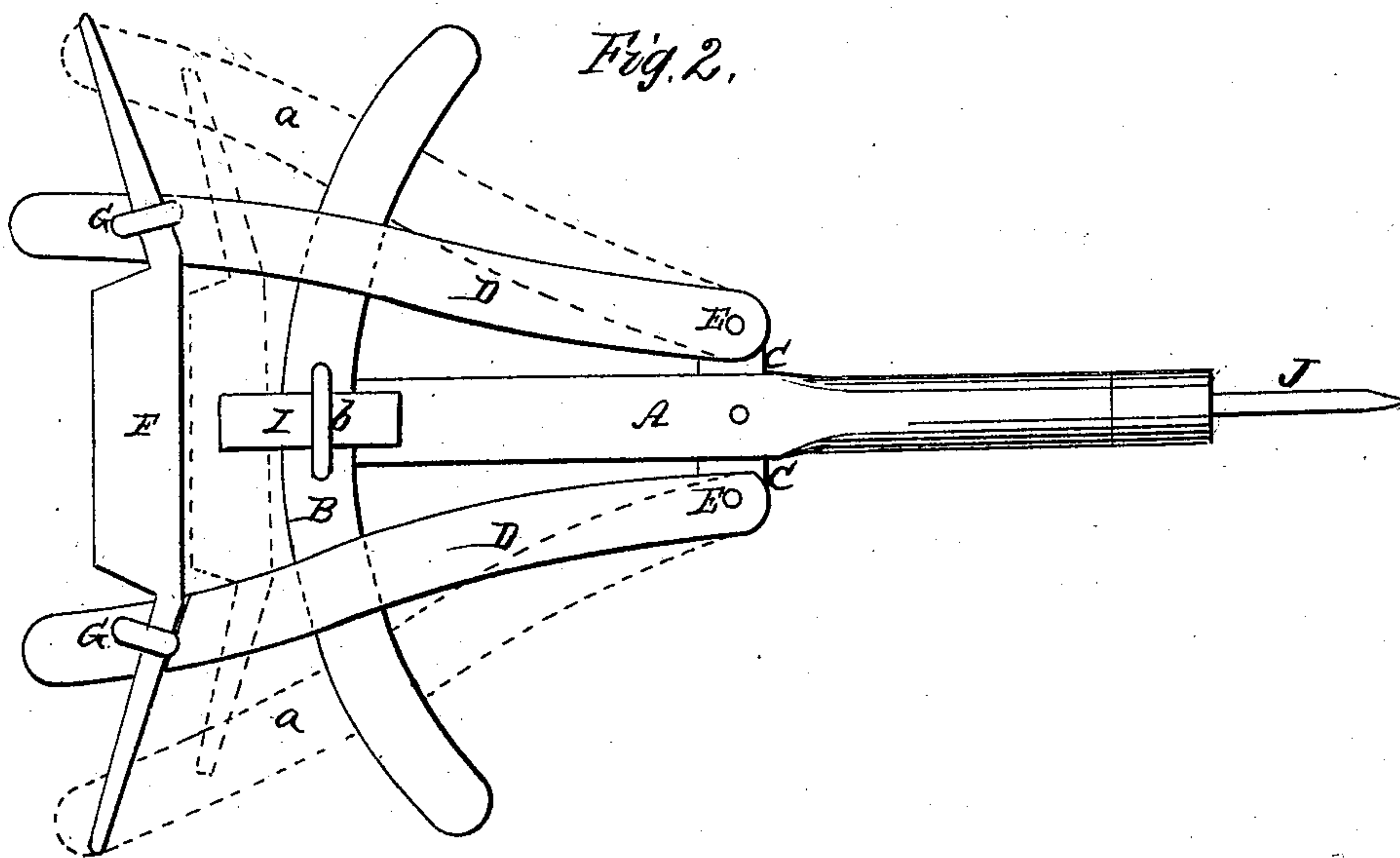
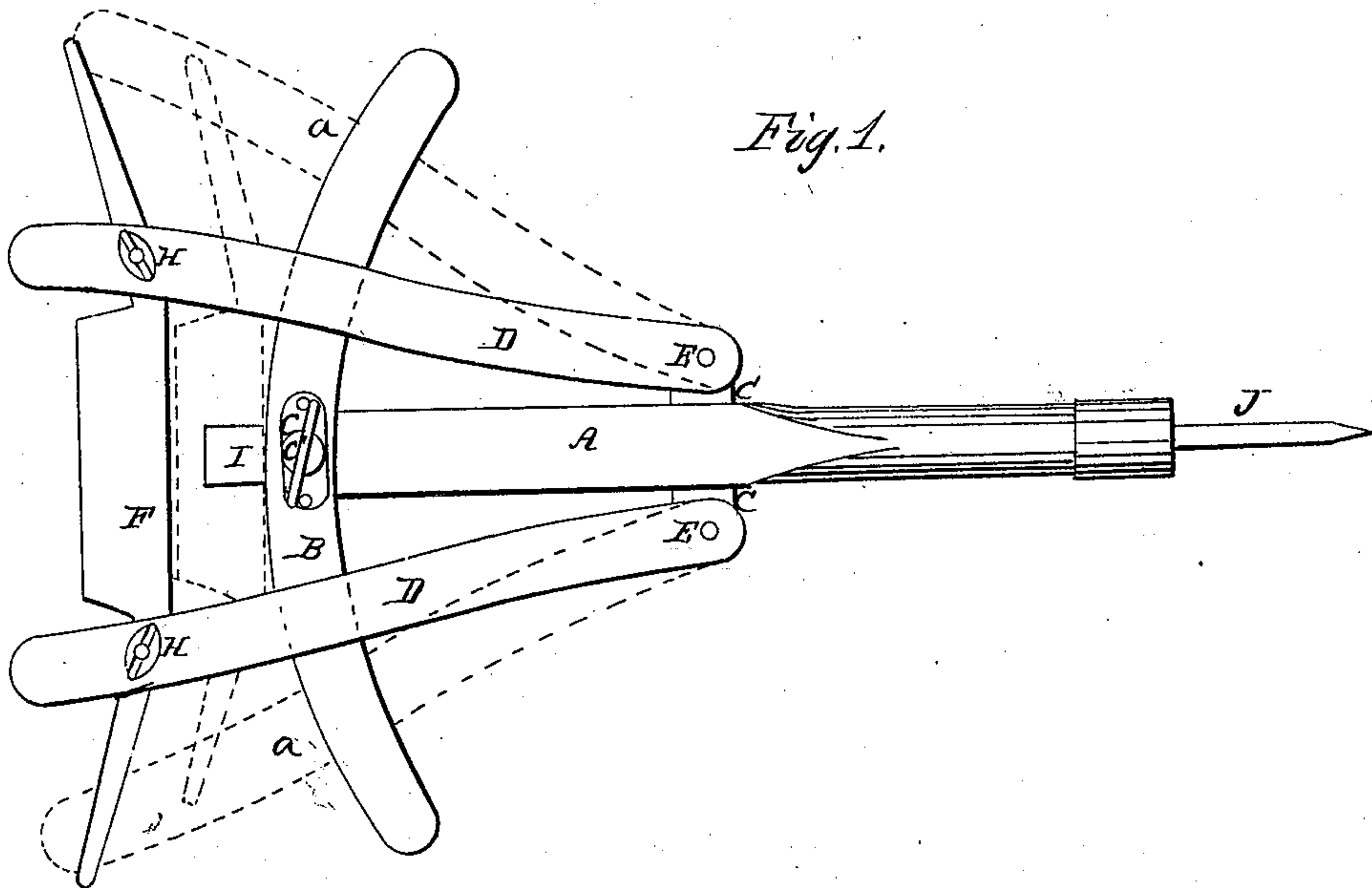


J. H. Brown,

Edge-Tool Grinder.

N^o 63,207.

Patented Mar. 26, 1867.



Witnesses,

W. H. Burridge

E. E. Waite

Inventor

James H. Brown

United States Patent Office.

JAMES H. BROWN, OF BEREA, OHIO.

Letters Patent No. 63,207, dated March 26, 1867.

IMPROVED REST FOR GRINDING TOOLS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. H. BROWN, of Berea, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful improvements in Rests for Grinding Tools; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the rest.

Figure 2 is a bottom view of the same.

Letters of reference refer to like parts in the different views.

The rest consists of the central stem A, fig. 1, to the upper end of which is mortised the curved arm B, and about midway down are projected the arms C. To the latter arms are connected the adjustable sides D D by a pivoted joint, E. The arms B are made to slide through the sides D, a mortise being beaten for that purpose, so that the sides may be spread outward more or less, as indicated by the dotted lines *a*, and for the purpose hereafter shown. F is a draw-shave, or it may be any other tool of a similar shape, and is placed between the upper ends and upon the under side of the sides D; and secured to the stem by the hooks G. The stems of the hooks pass upward through the sides, and each is provided with a thread and a finger-nut, H, by the means of which the tool is firmly held in place; also to assist in holding the tool while being ground. Gains are cut immediately under the hook, into which the shank of the tool is placed, and thereby prevented from slipping away from the stone. I is a plane-iron, a chisel, or it may be any other tool of a like shape. This tool is placed on the under side of the rest, and secured by a staple or yoke, *b*. This staple passes up through the rest, the ends of which are riveted to a cross-tie, *c*. In the centre of the tie is a thumb-screw, *c'*. The tool on being slipped under the staple is then screwed tightly down upon it, and is thereby held securely for the purpose of grinding.

The manner of using the rest is as follows: The draw-shave or other tool being properly secured to the adjustable sides, which, as above stated, may be spread outward in order to adjust it to an implement of any length, the lower end of the rest, which is provided with a pointed stem, J, is allowed to stand upon the frame or table of the stone, the distance from the stone being determined by the degree of bevel to be given the tool. It is then brought to the face of the stone, and is by this means held firmly and securely to the grinding surface, and a true and uniform bevel given thereby to the implement. When a chisel, or any other tool of a similar nature, is to be ground, it is placed in the yoke or staple *b*, and is then adjusted to the stone in the same manner as above described in reference to the draw-shave.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The stem A, adjustable sides D pivoted to the arms C, in combination with the arm B, hooks G, and staple *b*, provided with screws as and for the purpose set forth:

JAMES H. BROWN.

Witnesses:

W. H. BURRIDGE,

E. E. WAITE.