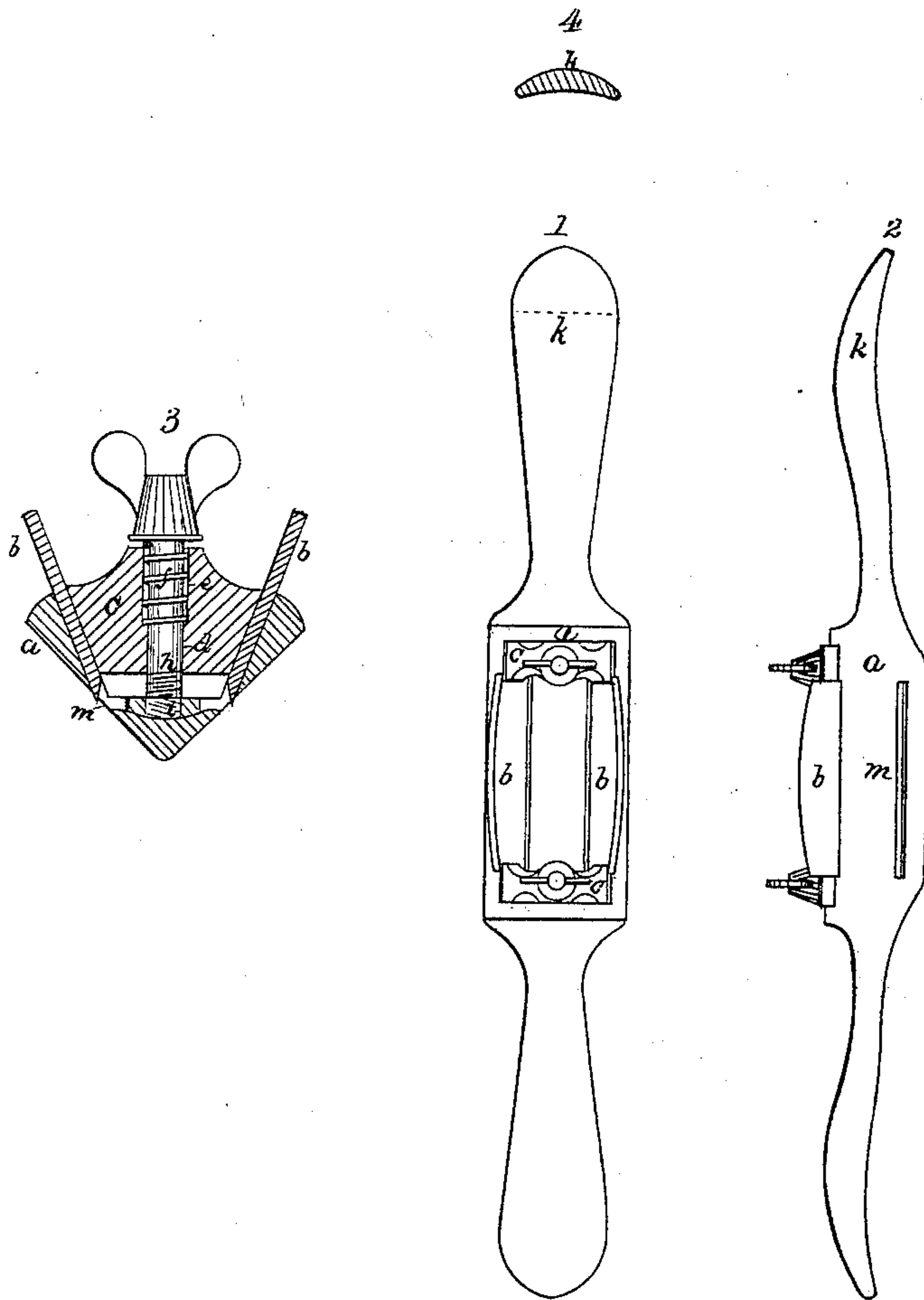


J. A. TRAUT & H. RICHARDS.

SPOKE-SHAVES.

No. 176,151.

Patented April 18, 1876.



Witnesses

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UNITED STATES PATENT OFFICE.

JUSTUS A. TRAUT AND HENRY RICHARDS, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN SPOKESHAVES.

Specification forming part of Letters Patent No. **176,151**, dated April 18, 1876; application filed January 24, 1876.

To all whom it may concern :

Be it known that we, JUSTUS A. TRAUT and HENRY RICHARDS, of New Britain, county of Hartford, and State of Connecticut, have jointly invented certain new and useful Improvements in Spokeshaves; and to enable others skilled in the art to make the same, we will proceed to describe it, referring to the drawings, in which the same letters of reference refer to like parts in each of the figures.

Our invention consists in forming the stock of a spokeshave in a V shape, and with a cutting-iron in each of the faces, in order that it may be used to cut to or from the operator without the need of reversing it. Also, in the peculiar means of fastening and adjusting the irons, as will be hereinafter more fully shown.

In the accompanying drawings, Figure 1 is a plan view of our invention. Fig. 2 is an edge view. Fig. 3 is a cross-section through the compression dogs and screws. Fig. 4 is a cross-section of the handle.

Similar letters of reference indicate similar parts.

a is the stock, having its cross-section in a V shape, so as to form two working faces. In each face is formed a longitudinal slot, *m*, through which projects the bit *b*. The interior of the stock is also conical shaped, so as to form two beds for the bits and hold them at a proper cutting-angle. In order to make a more perfect adjustment of the cutting-

irons, they should be beveled on the upper side. *c c* are compression-dogs, corresponding in shape to the interior of the stock *a*, so as to bear against the face of the bits. Through the dogs *c c* are formed orifices *d d* for the reception of thumb screws *h h*. These orifices are enlarged in their upper portion, so as to form a shoulder, upon which rests a coil-spring, *f*, through which the thumb-screws pass into screw-threaded orifices *i i*, formed in the stock directly under the dogs *c c*. One end of these springs bears against the screw-head, and the other against the shoulder or bottom of the spring-chamber, so that they serve before the screws are tightened to sufficiently compress the dogs against the bits, and thus allow of their adjustment, and remove liability to fall out or be misplaced. The handles are curved upward, and made concave underneath and convex on the upper side.

Having described its construction, what we claim, and desire to secure by Letters Patent, is—

The combination, in a spokeshave, of the stock *a*, having two faces, cutting-irons *b*, dogs *c c*, and clamping set-screws *h h*, substantially as shown and described.

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