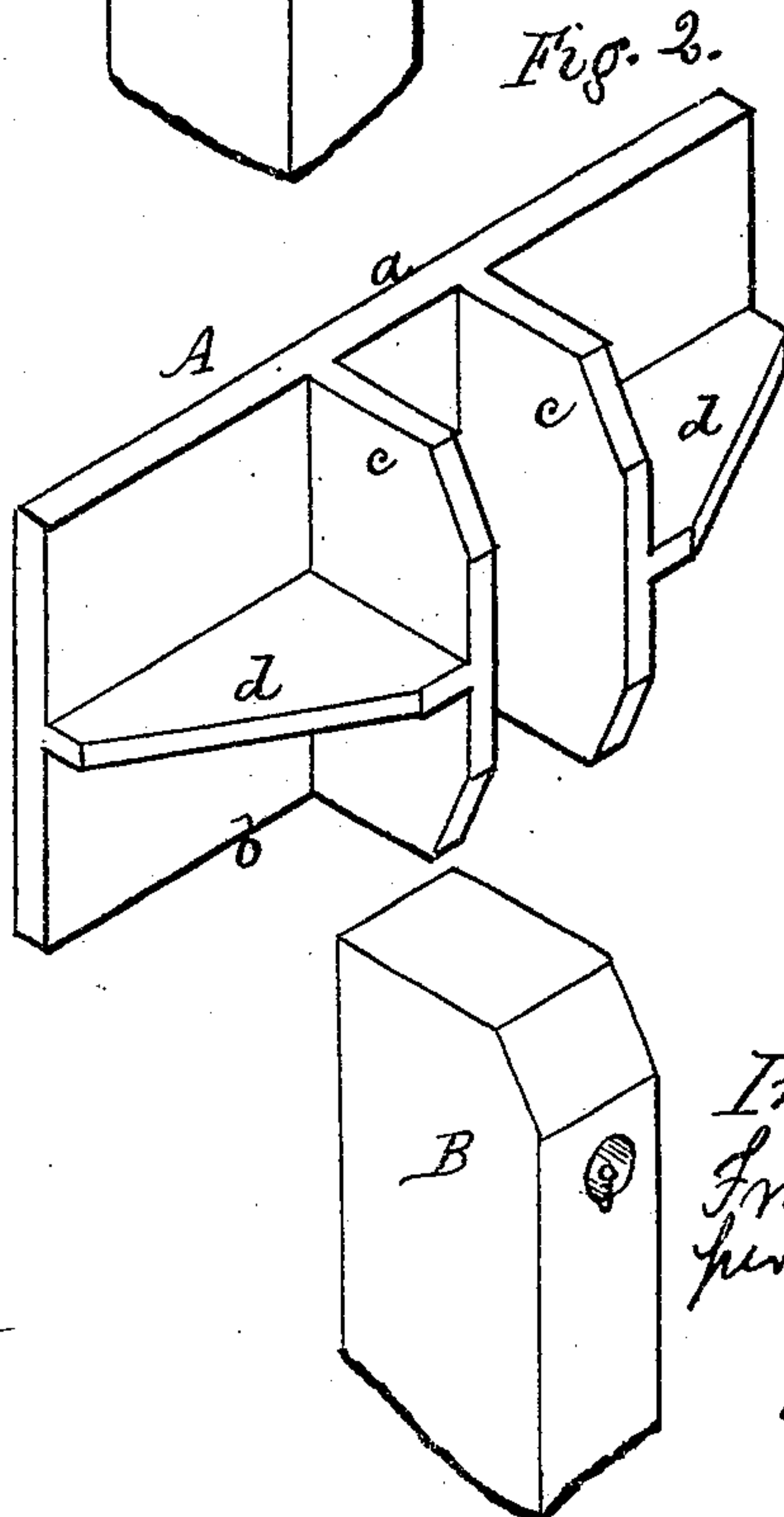
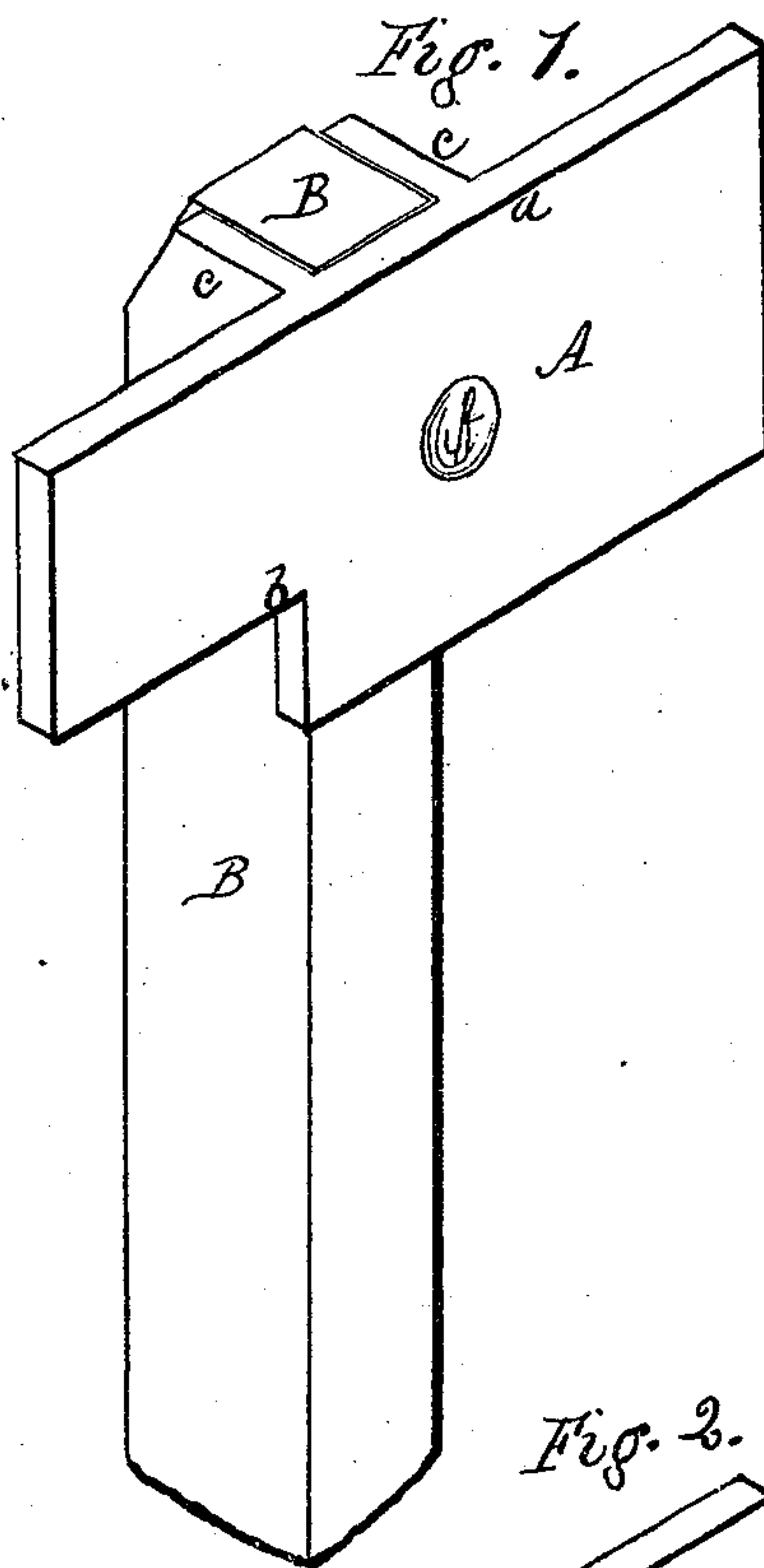


FRANKLIN J. ELDRED.

Improvement in Shaving Horses.

No. 119,512.

Patented Oct. 3, 1871.



Witnesses.

Arch^d. Daine
G. Henry Roberts.

Inventor.
Franklin J. Eldred
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Rochester, N. Y.

UNITED STATES PATENT OFFICE.

FRANKLIN J. ELDRED, OF WEBSTER, NEW YORK.

IMPROVEMENT IN SHAVING-HORSES.

Specification forming part of Letters Patent No. 119,512, dated October 3, 1871.

To all whom it may concern:

Be it known that I, FRANKLIN J. ELDRED, of Webster, in the county of Monroe and State of New York, have invented a certain Improvement in Clamp-Heads for Shaving-Horses, of which the following is a specification:

My invention consists of a metallic clamp-head for shaving-horses, constructed with a notched face on one side and a plane one on the other, by which it is adapted to holding articles of different thicknesses, and constructed also with flanges and ribs, as hereinafter described, for reversing on the stock and to insure proper strength.

In the drawing, Figure 1 is a perspective view of the device attached to the stock; Fig. 2, a similar view of the same removed from the stock and looking upon the opposite side.

A represents the clamp-head, and B the stock. The clamp-head is constructed with a plane face or edge, *a*, on one side, and a notched one, *b*, on the other. The object of this is to adapt the device to clamping and holding articles of different thicknesses upon the bed of the horse, which is accomplished simply by turning either side down, as necessity may require. When the notched side is down, as in Fig. 1, it is adapted to holding a thick article. When the plane side is down, it is adapted to holding a thinner article.

In order to enable this change to be made, the back of the clamp-head which connects with the stock is constructed in a peculiar manner, which is as follows: *c c* are vertical flanges which lie crosswise of the clamp-head, and form a socket which is open at both ends and the back to receive the stock B. On the sides of these flanges are lateral webs *d d*, which extend to the extrem-

ities of the plate. The clamp-head and stock are connected by a single bolt, *f*, which passes through a hole, *g*, and has a nut on the back side. The socket formed by flanges *c c*, being open-ended and backed, allows the clamp-head to be fitted to the end of the stock either side down, which is a matter of necessity where the adjustment to the thickness of the article to be shaved is made, as before described. This forms one of the novel features of my invention. At the same time these flanges hold the device closely to the stock and prevent any lateral displacement, and therefore necessitate the use of but a single attaching-bolt, as before stated. The webs *d d* stiffen both the face-plate and the flanges and prevent any danger of breakage.

A clamp made of this form is new, so far as I know, and has the merit of being very simple and cheap in construction, as it is cast in a single piece, while it is also adapted to different thicknesses of stuff by simply changing position, for which purpose the construction of the back is specially designed.

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

The clamp-head for shaving-horses, consisting of the plate A with plane and notched edges *a b*, the open flanges *c c*, and webs *d d*, arranged and operating as herein described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

F. J. ELDRED.

Witnesses:

FRED. A. HATCH,
ARCHD. BAINE.

(25)