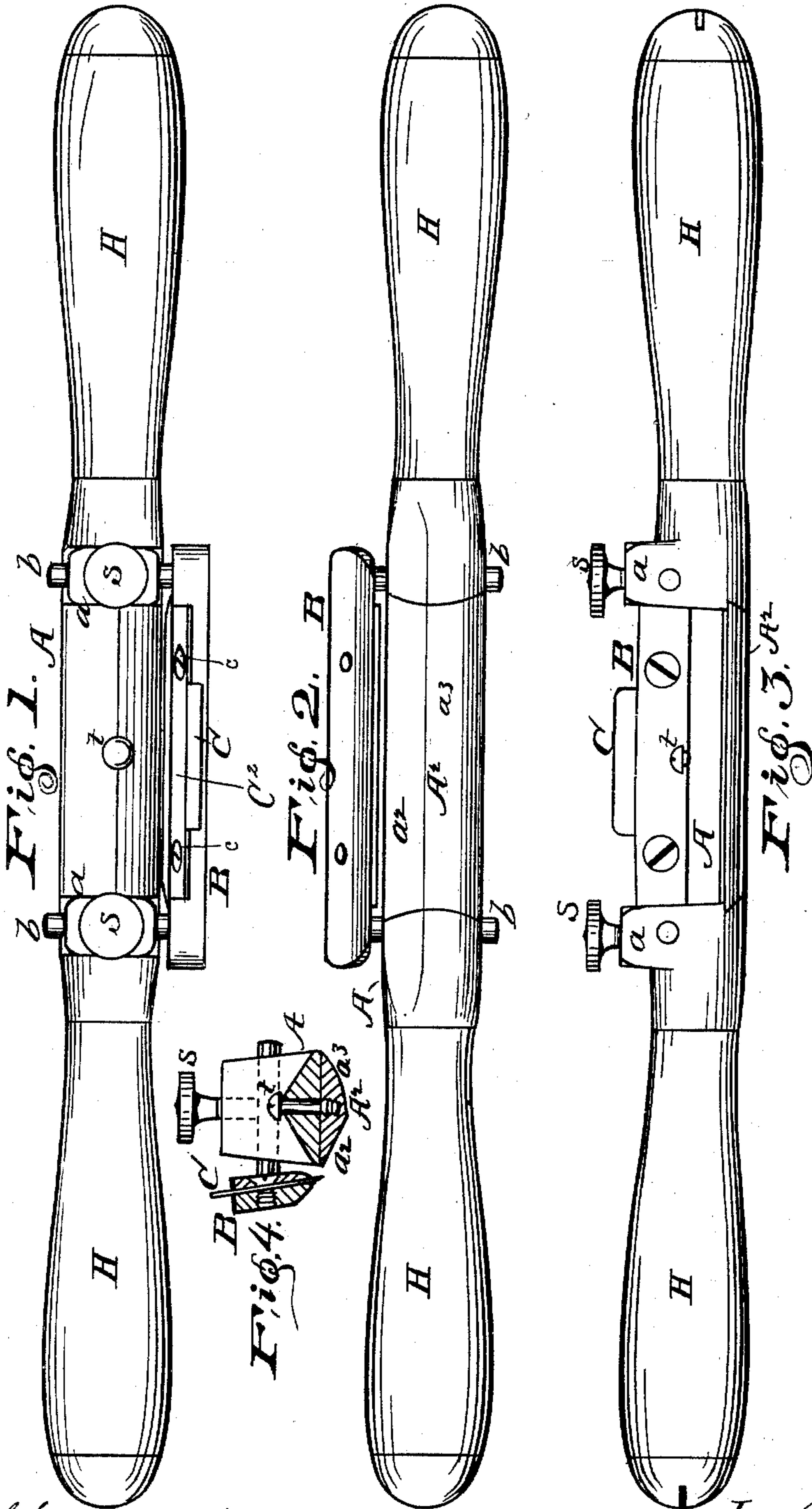


(No Model.)

G. M. CONOVER.
DRAW SHAVE.

No. 468,239.

Patented Feb. 2, 1892.



Witness,

M. G. Norton.
M. M. Barnes

Inventor,

George M. Conover,
By Geo. W. Tibbitts atty.

UNITED STATES PATENT OFFICE.

GEORGE M. CONOVER, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO
FRANK H. NORTON, OF SAME PLACE.

DRAW-SHAVE.

SPECIFICATION forming part of Letters Patent No. 468,239, dated February 2, 1892.

Application filed July 30, 1891. Serial No. 401,229. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. CONOVER, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Draw-Shaves, of which the following is a specification.

This invention relates to draw-shaves for wood-working; and it consists in the novel features of construction and combinations, substantially as hereinafter set forth and described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a top view. Fig. 2 is an under side view. Fig. 3 is a front side elevation. Fig. 4 is a cross-section of my new draw-shave.

A represents a plate or frame for holding the cutting-tool, to each end of which are attached handles H H in any suitable manner. *a a* are posts or upright projections formed on said frame at each end of the open space and near the handles, having holes for receiving the arms of the cutting-blade holder and provided with thumb or set screws *s s* for the purpose of clamping the said arms in place.

B is the cutting-blade holder, consisting of a bar having arms *b b*, fitted to be inserted in the aforesaid holes in the posts *a a*. It is pro-

vided with a recess for holding the cutting-blade C, which is firmly held by means of a clamp-plate C² and set-screws *c c*.

The under surface of the frame A is made with a partly-rounded surface *a*² and partly-flat surface *a*³, and there may be provided a removable plate A², secured at its ends in dovetail mortises and with a set-screw *t*.

The advantages of this construction are that the blade-holder is reversible and adjustable. It may be placed at either side of the frame to adapt the blade to cut in connection with the rounded surface or the flat surface of the frame, as desired; and the cutting-blade is also readily adjusted, removed for sharpening, and replaced in the holder.

Having described my invention, I claim as follows:

In a draw-shave, the combination, with a frame having posts provided with holes and thumb or set screws, and also having one flat and one rounded bearing-surface, of a removable and reversible cutting-blade holder, substantially as described.

GEORGE M. CONOVER.

Witnesses:

GEO. W. TIBBITTS,
FRANK H. NORTON.