

E. PARKER.
Drawing-Knives.

No. 142,720.

Patented September 9, 1873.

Fig. 1.

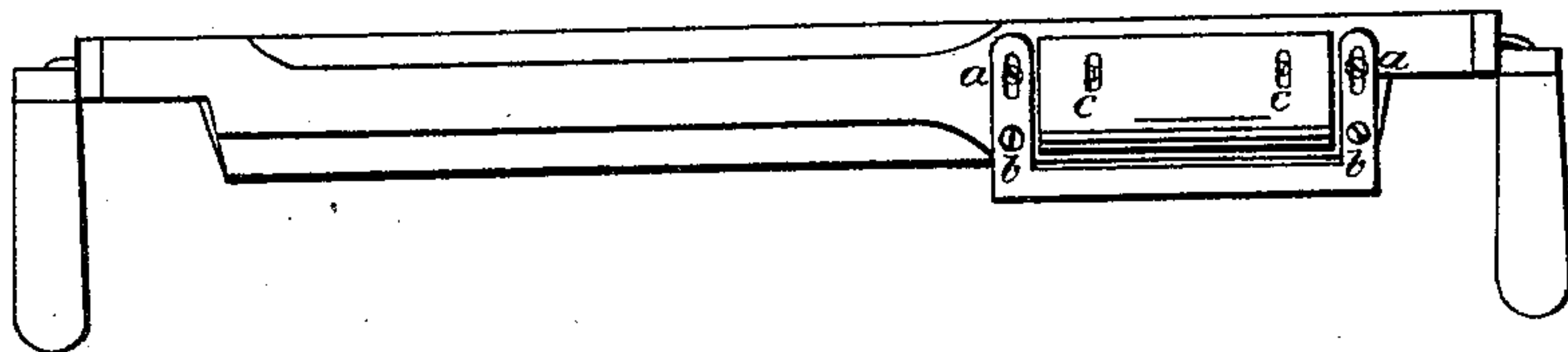


Fig. 2.

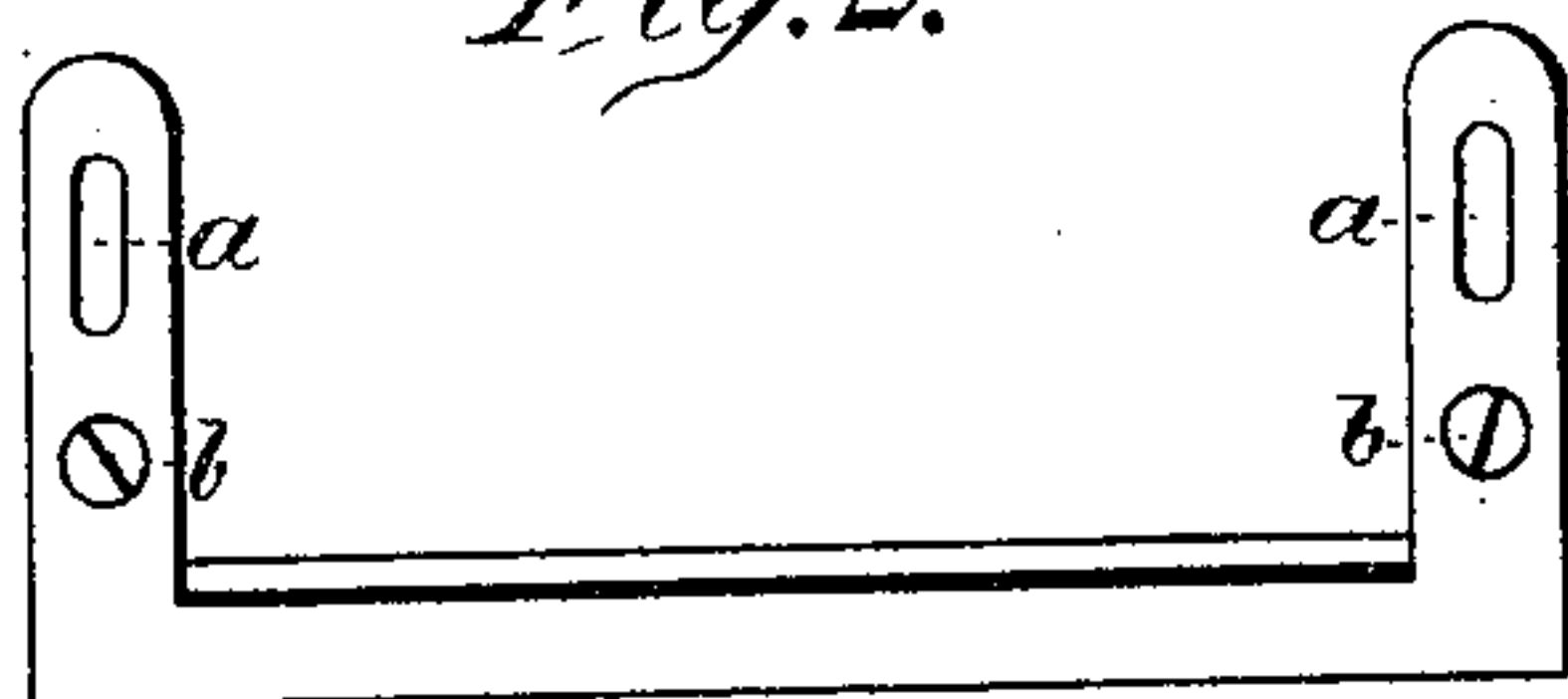
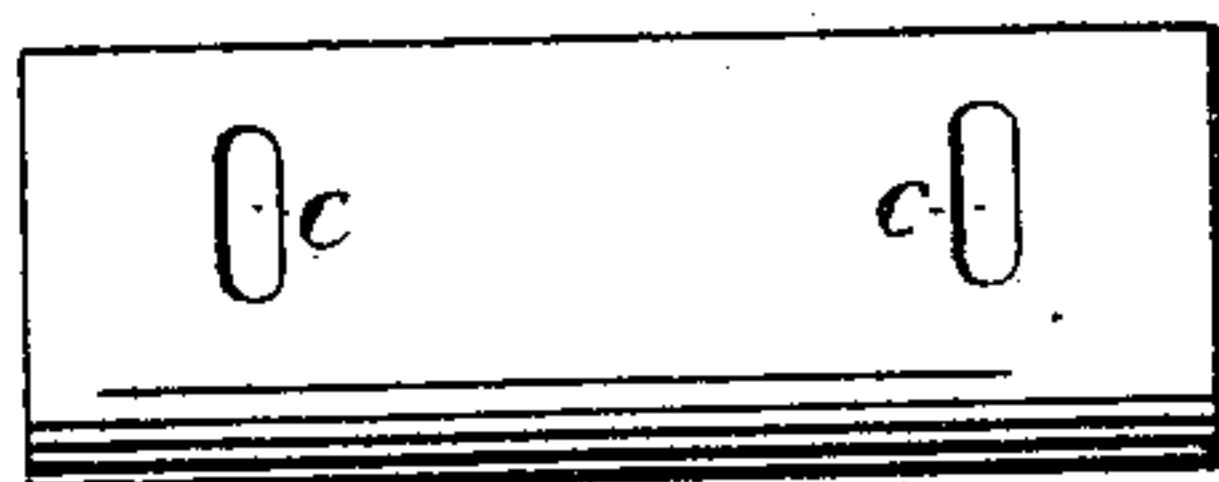


Fig. 3.



Witnesses:

John Amfield Elder
H. B. Harrison

Inventor;

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UNITED STATES PATENT OFFICE.

ELMON PARKER, OF CHAMBERSBURG, PENNSYLVANIA.

IMPROVEMENT IN DRAWING-KNIVES.

Specification forming part of Letters Patent No. **142,720**, dated September 9, 1873; application filed June 9, 1873.

To all whom it may concern:

Be it known that I, ELMON PARKER, of Chambersburg, in the county of Franklin and State of Pennsylvania, have invented a new and useful Improvement on a Drawing-Knife; and I do declare that the following is a full, clear, and exact description of the construction of the same, reference being had to the annexed drawing making a part of the specification, in which—

Figure 1 is a perspective view, Fig. 2 the guide-bar, and Fig. 3 the cap.

To enable others to make and use my improvement, I will proceed to describe its construction and operation.

I attach to a drawing-knife, made similar to a common drawing-knife, (see Fig. 1,) a small guide-bar, Fig. 2, made with an elbow bent at each end, so as to extend over and across the upperside of the knife at one end of the knife. The bar extending along the edge of the knife, as shown, is placed a little above the edge, so as to admit a shaving the thickness required. I make two slots, *a a*, Fig. 2, one near the end of each elbow, and, by inserting a screw in each and screwing them into the knife, I secure the bar firmly to the knife. (See Fig. 1.) The slots enable me to move the bar backward or forward, as wanted. In order to regulate

the thickness of the shaving, I put two set-screws, *b b*, Fig. 1, through the bar over the knife, and, by turning them, I can raise or lower the bar and keep it in place for a thick or thin shaving. In order to shave smoothly cross-grained wood, I screw a cap, Fig. 3, tightly on the upper side of the knife, within the bar between the elbows, (see Fig. 1,) (made similar to a cap to a plane-bit,) with two screws passing through two slots, *c c*, Fig. 3; thus it can be moved for a fine or coarse shaving. A drawing-knife made in this manner can be used as a common drawing-knife; but when there is any cross-grain in the wood, the end with the cap and bar can be used, and, by so doing, prevent tearing up the grain of the wood. It also can be used to smooth many kinds of work quite as well as a plane will do it.

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

The guide-bar, Fig. 2, the cap, Fig. 3, in combination with a drawing-knife, when arranged in manner substantially as described, and for the purposes herein set forth.

ELMON PARKER.

Witnesses:

JOHN W. ELDER,
HUGH B. DAVISON.