(No Model.)

C. S. SNOWDEN.

RASPING PLANE.

No. 410,809. Patented Sept. 10, 1889.

Fig. 1.

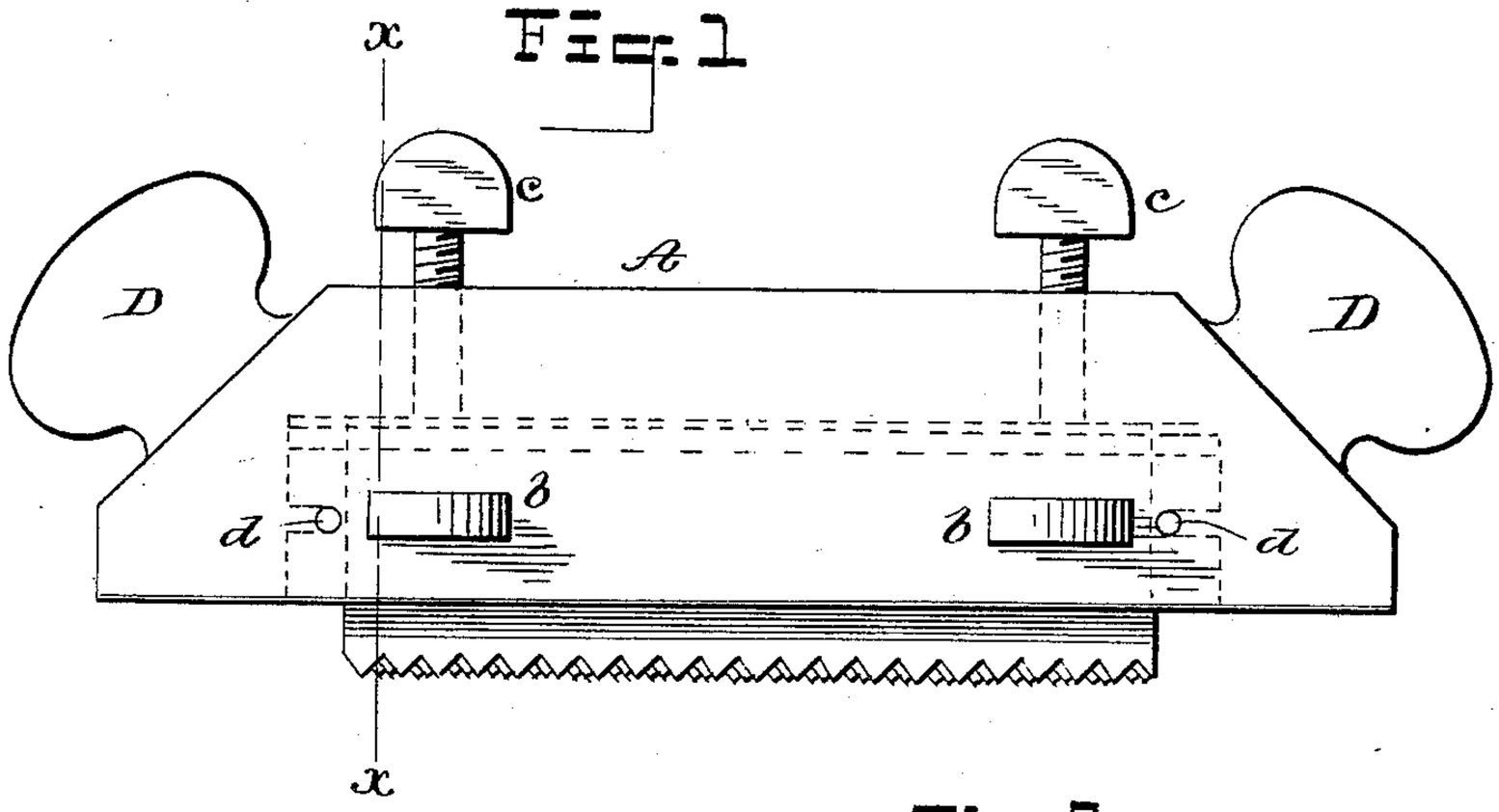


Fig. 2.

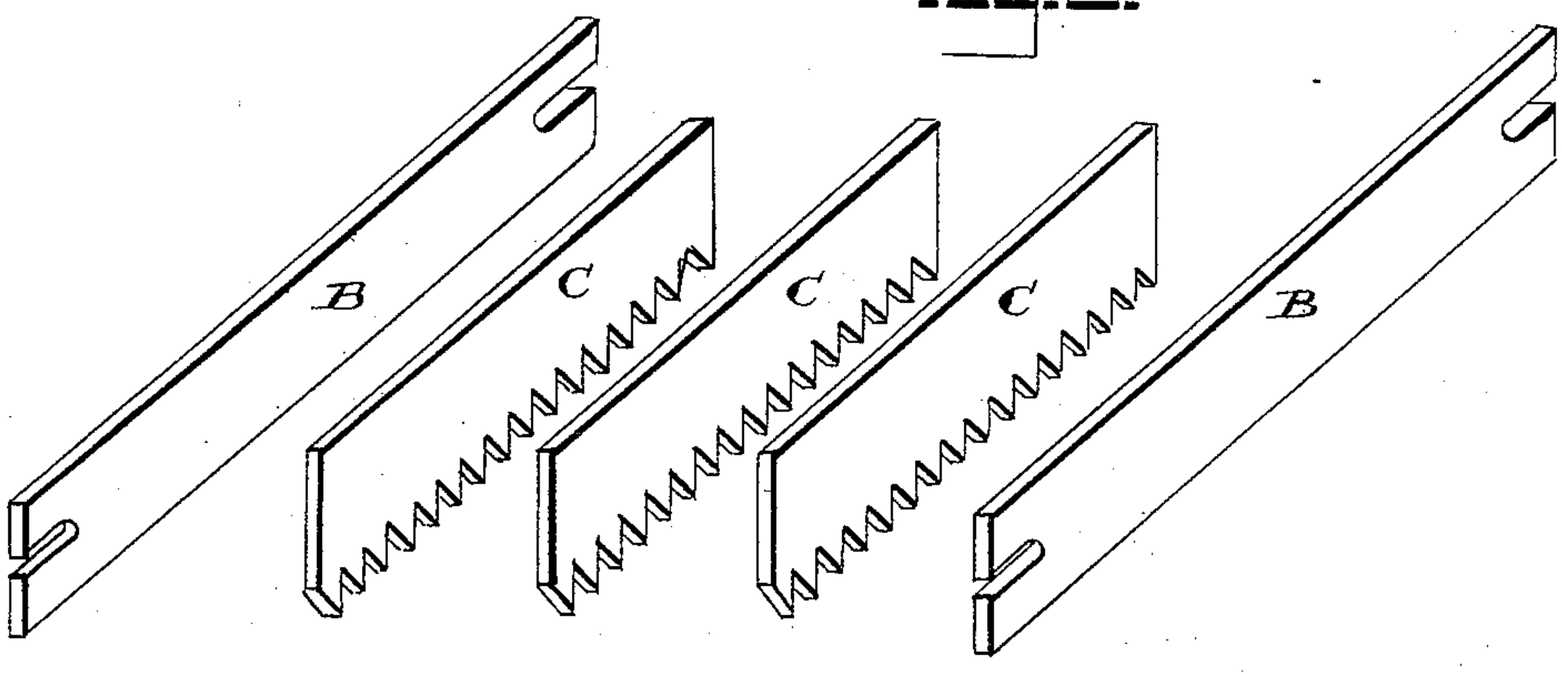
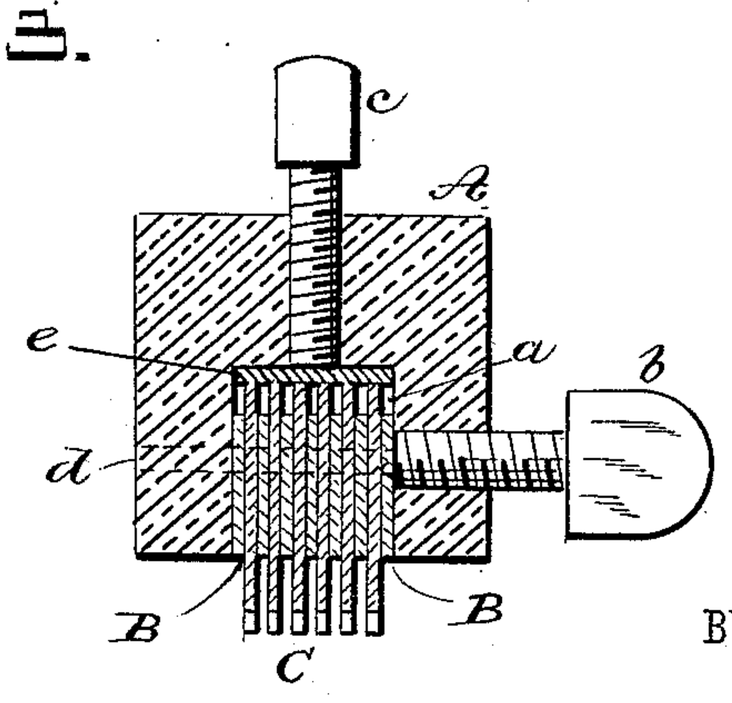


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES S. SNOWDEN, OF MACCLENNY, FLORIDA; THOMAS W. LAKIN ADMINISTRATOR OF SAID SNOWDEN, DECEASED.

RASPING-PLANE.

SPECIFICATION forming part of Letters Patent No. 410,809, dated September 10, 1889.

Application filed March 19, 1888. Serial No. 267,655. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. SNOWDEN, of Macclenny, in the county of Baker and State of Florida, have invented a new and Improved Rasping-Plane, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my improved rasping-plane. Fig. 2 represents several of the saw-sections in perspective, also the spacing-plates; and Fig. 3 is a transverse section taken on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and effective implement for rasping the surface of wood preparatory to applying a plane so as to reduce the wood to an approximately plane or uniform surface.

My invention consists in the combination, with a suitable stock, of series of short saw-blades and spacing-plates adapted to be clamped in the stock in such a position as will cause the points of the teeth of all of the saw-blades to lie in the same plane.

The stock A, which is made of cast-iron or other suitable material, has the general form of a plane body or stock, and is provided with a mortise *a*, extending from the lower surface upward into the body of the stock. In one side of the stock are inserted thumb-screws *b*, which extend into the mortise, and in the top of the stock are inserted thumb-screws *c*, which extend downward into the mortise. In the mortise *a* at each end is arranged a transverse wire *d* for receiving the slotted ends of the spacing-plates B, which are thus held loosely in the stock. In the mortise *a*, and between the spacing-plates B, are inserted saw-blades C, having parallel edges, each blade having teeth upon one edge. The toothed edges of the saws project beyond the face of the stock A, and are all arranged in the same plane. In the bottom of the mortise, and between the inner edges of the saws and the ends of the thumb-screws *c*, is placed a plate *e*, which supports the saws and which is adjusted by means of the said thumb-screws. The ends of the stock A are beveled and provided with knobs or handles D, by which the stock may be manipulated.

My improved rasping-plane may be made of any length and width, and the saws inserted therein may have teeth of different degrees of fineness to adapt them to different kinds of work.

As the saws become dulled by use, they may be removed from the stock A and filed in the same manner as other saws.

It is obvious that I may make the stock A circular and insert circular saws therein. Therefore I do not limit or confine my invention to the exact form shown and described.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a rasping-plane, the combination, with the body A, provided with the mortise *a*, of a series of saws C and means, substantially as described, for clamping the saws in the stock.

2. The combination, with the body A, provided with the mortise *a*, of the cross-wires *d*, the slotted spacing-plates B, and the saws C, substantially as described.

3. As an improved article of manufacture, a rasping-plane formed of the body A, provided with the mortise *a* and with handles D, the thumb-screws *b c*, inserted in the body, the transverse wires *d*, the spacing-plates B, the plate *e*, and the saws C, combined and arranged substantially as herein shown and described.

CHARLES S. SNOWDEN.

Witnesses:
C. B. MCCLENNY,
J. D. MERRITT.