No. 788,148. PATENTED APR. 25, 1905.

A. A. SMITH.

STEP STOOL.

APPLICATION FILED JAN. 17, 1905.

Fig. 2.

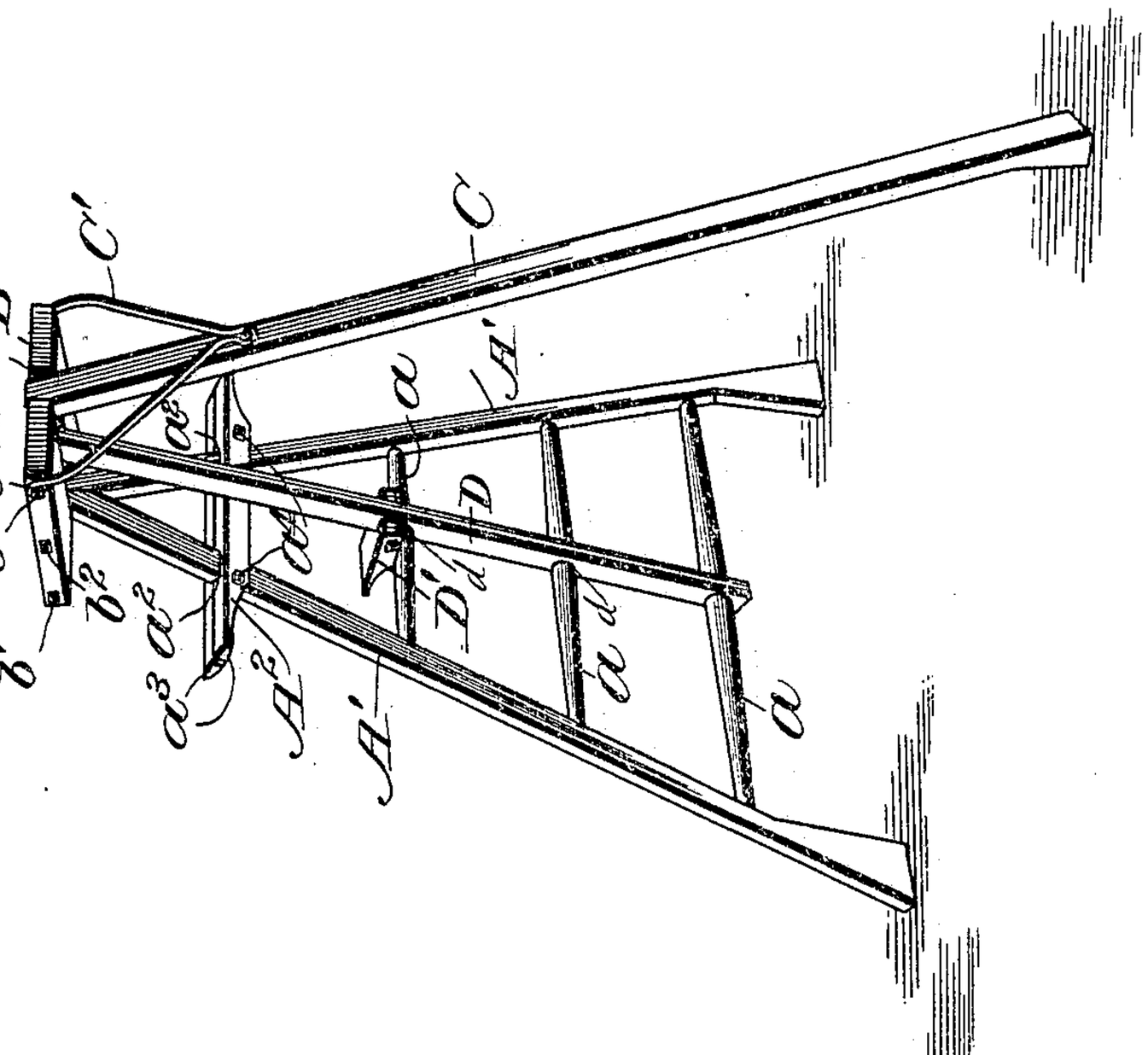

Fig. 1.

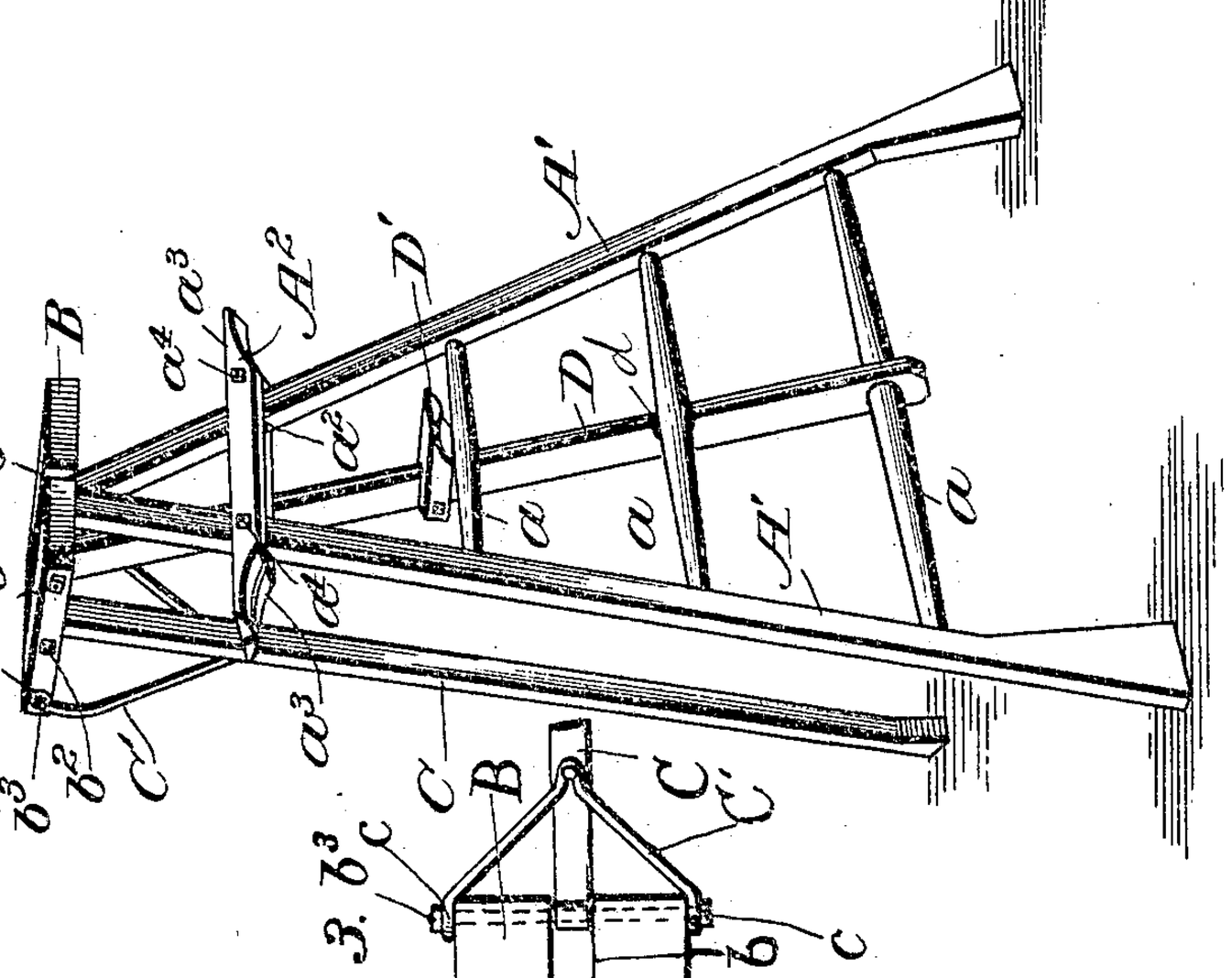

Fig. 3.

WITNESSES:

C. N. Walker.

G. M. Copenhaver

INVENTOR

Andrew A. Smith

BY Geo. H. Graves

Attorney

No. 788,148. Patented April 25, 1905.

UNITED STATES PATENT OFFICE.

ANDREW A. SMITH, OF PAONIA, COLORADO.

STEP-STOOL.

SPECIFICATION forming part of Letters Patent No. 788,148, dated April 25, 1905.

Application filed January 17, 1905. Serial No. 241,420.

To all whom it may concern:

Be it known that I, ANDREW A. SMITH, a citizen of the United States, residing at Paonia, in the county of Delta and State of Colorado, have invented new and useful Improvements in Step-Stools, of which the following is a specification.

My invention relates to that class of step-stools upon which a person may stand to wash windows, gather fruit, and perform various other operations.

The object of my invention is to provide a step-stool of the class described which shall be simple, strong, and steady, as will be hereinafter more fully described and claimed. This object I accomplish by the construction shown in the accompanying drawings, in which—

Figure 1 is a front perspective of my improved step-stool. Fig. 2 is a rear perspective, and Fig. 3 is a plan of the platform.

A designates the stool, formed of two stiles A′ A′, converging at their upper ends and connected at intervals by the rounds *a a* and also connected by a step A^2 just below the platform B. The step A^2 is formed of two pieces a^3 a^3, firmly clamped to the stiles A′ by bolts a^4 a^4, one or both of the pieces a^3 being recessed to receive the stiles, as shown at a^2. The step thus formed firmly secures the stiles A′ against spreading apart. The ends of this step A^2 project beyond the sides of the stiles A′ and afford firm steps or supports on which the operator may stand.

The platform B is formed in one or more pieces and has a longitudinal slot *b* and three transverse bolts b' b^2 b^3 extending through it. The converged ends of the stiles A′ enter the front end of the slot *b*, and the bolt b' passes through them, while upon the rear bolt b^3 is mounted the upper end of the single prop C, the rear end of the slot *b* being widened to allow free movement to the prop.

D is a vertically-disposed brace secured at its lower end to the lower round *a* and at its upper end entering the slot *b*, where it and the upper ends of the stiles A′ are firmly clamped by properly screwing up the bolts b' b^2 or the nuts thereof. The brace D is notched at *d d* to receive and strengthen the upper rounds *a*, and to the brace D, just above the uppermost round *a*, is pivoted a step D′, which extends forwardly across the round.

C′ is a yoke to steady the prop C and hold it from lateral movement. The upper ends of the yoke are provided with eyes *c*, mounted on the rear bolt b^3, which carries the prop, and the lower end has an eye c', through which a screw is passed into the prop.

The step-stool thus formed will be found useful about the house and also in the orchard.

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

1. A step-stool comprising a platform having a longitudinal slot widened at one end, bolts extending transversely through the platform, a front support clamped at its upper end in the front end of said slot and one of the bolts passing through the upper end of said support, and a swinging prop extending at its upper end into the rear widened end of the slot, and a pivot-bolt extending through the platform and prop.

2. A step-stool comprising a platform having a longitudinal slot widened at one end, bolts extending transversely through the platform, a front support comprising stiles converging at their upper ends and there clamped in the front end of said slot, a single prop extending at its upper end into the rear widened end of the slot, a pivot-bolt extending through the platform and prop, and a yoke, mounted at its upper ends on the ends of said pivot-bolt and secured at its lower end to the prop.

3. A step-stool comprising a platform, a swinging prop pivoted at its upper end to the rear end of the platform, a front support secured rigidly at its upper end to the front end of the platform and formed of converging stiles having connecting-rounds, and a step formed of parallel pieces bolted together and between which, the said stiles are firmly clamped, the ends of the said pieces extending beyond the stiles and forming projecting steps.

4. A step-stool comprising a platform a swinging prop pivoted at its upper end to the rear end of the platform, a front support secured rigidly at its upper end to the front end of the platform and formed of converging

stiles having connecting-rounds, and a brace-bar secured to the lower round and extending upwardly and secured to the platform between the ends thereof.

5. A step-stool comprising a platform a swinging prop pivoted at its upper end to the rear end of the platform a front support secured rigidly at its upper end to the front end of the platform and formed of converging stiles having connecting-rounds, a brace secured to the lower round and extending upwardly and secured to the platform between the ends thereof, and a step secured to the said brace and projecting forwardly across one of said rounds.

6. A step-stool consisting of a platform having a longitudinal slot widened at its rear end, transverse clamping-bolts passed through the platform and a transverse pivot-bolt also passed through the platform at the rear end, a single prop mounted at its upper end on said pivot-bolt, a V-shape front support clamped at its upper end in the front end of the platform-slot upon one of said bolts, and provided with rounds, and a brace mounted on the lower round and at its upper end clamped in said platform-slot.

In testimony whereof I affix my signature in presence of two subscribing witnesses.

ANDREW A. SMITH.

Witnesses:
J. A. WALKER,
W. T. BROSS.