

(No Model.)

C. F. BATT.
COMBINED STAND AND STEP LADDER.

No. 486,320.

Patented Nov. 15, 1892.

Fig. 1.

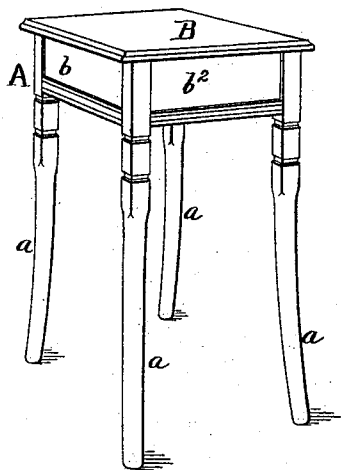


Fig. 2.

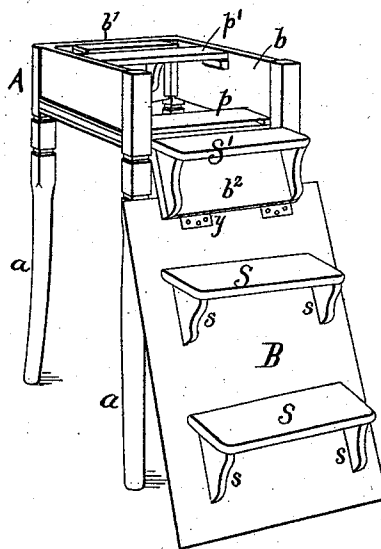


Fig. 3.

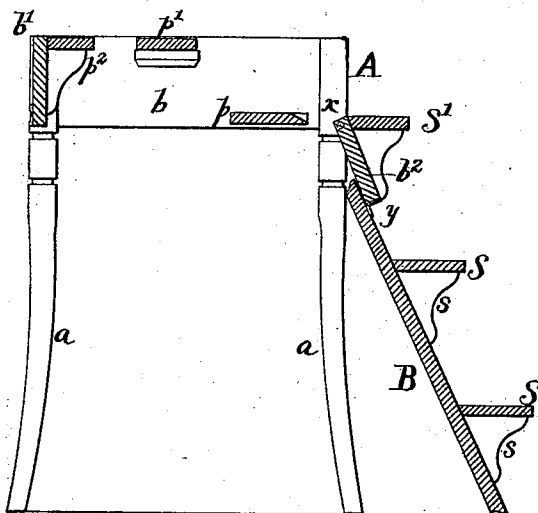
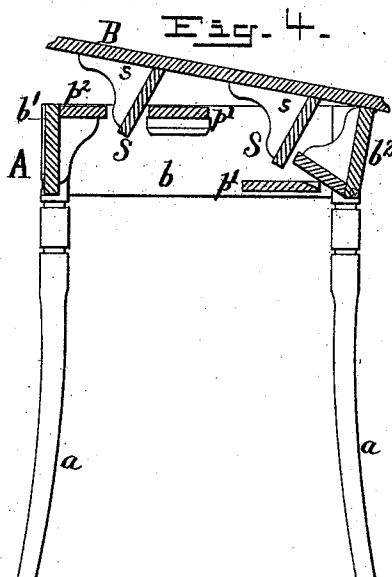


Fig. 4.



WITNESSES:

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CHARLES F. BATT, OF BROOKLYN, NEW YORK.

COMBINED STAND AND STEP-LADDER.

SPECIFICATION forming part of Letters Patent No. 486,320, dated November 15, 1892.

Application filed October 26, 1891. Serial No. 409,838. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. BATT, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have invented a Combined Stand and Step-Ladder, of which the following is a specification.

The object of my invention is to construct a simple and inexpensive article of furniture, which can serve as a convenient and substantial step-ladder when occasion requires, but when not so employed may be folded up into a stand or small table for use as such, with the step-ladder feature out of sight. When built of a size to be conveniently movable or portable, such an article of furniture is particularly useful in households, libraries, or offices.

In the accompanying drawings, Figure 1 is a perspective view of my improved article of furniture when folded up for use as a stand or small table. Fig. 2 is a corresponding perspective view of the same when unfolded for use as a step-ladder. Fig. 3 is a longitudinal section of the article when in the position shown in Fig. 2, and Fig. 4 is a similar sectional view showing the movable parts just as they are about being unfolded.

The top frame, legs, and table-top of the stand may be of any suitable shape and construction. In the present instance the stand is shown as having four legs *a*, and the top frame A is rectangular, having fixed side pieces *b b*, with a fixed back cross-piece *b'* and a front cross-piece *b²*. This last I prefer to make movable, and I use it as a hinging-piece for the table-top B of the stand, as hereinafter explained. This table-top B is in any case so hinged to the top frame A of the stand that the said top, while capable of serving as the usual table-top, may also when required be unfolded and serve as a step-carrying part of the step-ladder. For this purpose one or more steps *S S* (two in the present instance) are secured directly and rigidly to the under side of this top B, being conveniently supported by brackets *s s* thereon.

In order to permit of the convenient change of positions of the table-top of the stand for the two uses, this top is connected to the frame A by a link, and I prefer to utilize one of the cross-pieces *b²* to form this link, this

cross-piece being connected by suitable pivots or other movable joint near one of its edges—say at *x*—while at the other—say at *y*—it is jointed to the table-top. A fixed horizontal cross-piece *p* between the side bars *b b* serves to brace and hold these side bars and at the same time is utilized to form a step of the step-ladder.

When the table-top, with its steps affixed to its under side, is turned over and downward, it will stand at an angle with its steps horizontal, as shown in Fig. 3, one edge of the table-top resting upon the floor, while the other edge rests against and is supported by the stand. I prefer to mount a step *S'* upon the hinging cross-piece *b²*, sufficiently on a line with and adjacent to the cross-piece *p* to give a deep step to stand on. Another cross-piece *p'* at a higher level and nearer what I have for convenience called the "back" of the stand serves for the top step of the ladder when the article of furniture is used as such. I prefer to provide in connection with this, in order to give a larger foothold, a shelf *p²*, supported on the cross-piece *b'*. As shown in Fig. 2, this shelf *p²* should not extend entirely across from one side piece *b* to the other of the top frame, but room should be left for the passage when the top B is folded up of the brackets *s*, which support the bottom step *S* on the under side of the table-top B. I do not, however, wish to restrict myself to the use of two steps upon the frame or of two steps upon the under side of the table-top, as one or more may be used upon either, as found convenient.

I claim as my invention—

1. A stand having a table-top hinged to the frame and having affixed to the under side of the said top one or more steps, whereby when said top is turned back and downward to rest against the stand it may serve as a step-ladder.

2. A stand having a table-top hinged to the frame with a link connection and one or more steps affixed to the under side of the said top, whereby when the said top is turned back and downward to rest against the stand it may serve as a step-ladder.

3. A stand having a frame with one or more cross-braces for steps and a table-top jointed

to the frame and one or more steps affixed to the underside of said table-top, whereby when said top is turned back and downward to rest against the stand it may serve as a step-ladder, as and for the purpose set forth.

5 4. A stand having a frame and a table-top having one or more steps affixed to its under side with an end cross-piece jointed to the frame and to the table-top and forming a link

connection for the latter, as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES F. BATT.

Witnesses:

JOHN REVELL,

HUBERT HOWSON.