D. L. HOLWICK.

COMBINED STOOL AND STEPLADDER.

APPLICATION FILED JUNE 30, 1919.

1,320,008.

Patented Oct. 28, 1919.

Fig. 1.

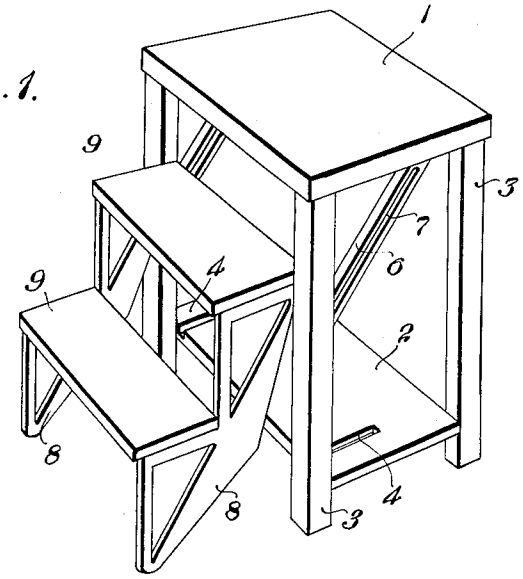
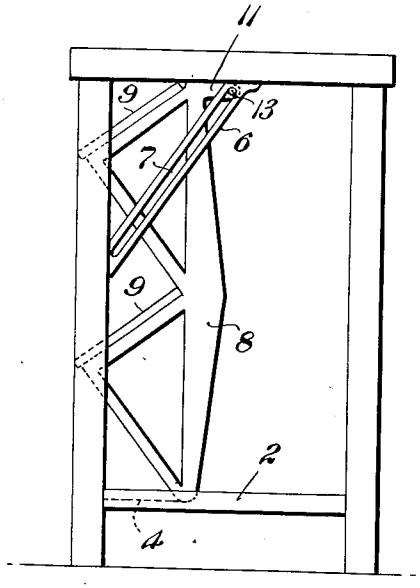


Fig. 2.



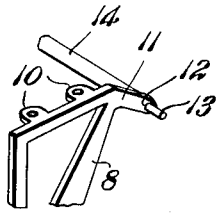


Fig. 3.

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ATTYS.

UNITED STATES PATENT OFFICE.

DANIEL L. HOLWICK, OF CANTON, OHIO.

COMBINED STOOL AND STEPLADDER.

1,320,008. Specification of Letters Patent. Patented Oct. 28, 1919.

Application filed June 30, 1919. Serial No. 307,722.

To all whom it may concern:

Be it known that I, DANIEL L. HOLWICK, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a new and useful Combined Stool and Stepladder, of which the following is a specification.

This invention relates to combined stools and step ladders such as are especially adapted for household use.

The objects of the invention are to provide a combined stool and step ladder in which the step ladder is slidably connected to the stool and which when not in use may be folded beneath the stool; and to generally simplify and improve constructions of this character.

With these objects in view the invention consists in the novel construction and arrangement of parts, hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size and minor details of construction may be made within the scope of the appended claims, without departing from the spirit or sacrificing any of the advantages of the invention.

The invention thus set forth in general terms is illustrated in the accompanying drawings forming part hereof, in which—

Figure 1 is a perspective view of the device showing the ladder in the operative position;

Fig. 2, a side elevation showing the ladder folded in the inoperative position beneath the stool; and

Fig. 3, a fragmentary perspective view of a portion of one of the metal side plates of the ladder.

A practical embodiment of the invention is disclosed in the accompanying drawings, forming a part of this specification, in which similar numerals of reference indicate corresponding parts throughout the several views.

The stool comprises the seat 1, the lower shelf 2 and the four legs 3, the lower shelf 2 being provided with a pair of spaced grooves 4 for the reception of the lower extremity of the ladder as will be hereinafter described.

A pair of slotted guide members 6, each provided with an elongated slot 7 is located beneath the seat of the stool, these guide members being connected to the under surface of the stool at their upper extremities and to the forward legs of the stool at their lower extremities. Each of these guide members is located at an angle to the seat of the stool as shown in the drawings. The ladder is composed of a pair of metal side plates 8 to which the treads 9 of the steps are attached, these treads being preferably formed of wood. The metal side frames are provided with the inwardly disposed lugs 10 provided with suitable apertures to receive screws or the like and each of the tread portions 9 is connected to the metal side frames by means of screws located through said apertures.

Angularly disposed arms 11 are formed upon the upper extremities of the metal frame members 8, each arm being provided with an aperture 12, which receives the reduced end 13 of the metal rod 14, the reduced ends of said rods being slidably located within the slots 7 of the guide members.

When it is desired to use the device merely as a stool the ladder is folded away in the inoperative position beneath the seat of the stool as shown in Fig. 2, the lower extremities of the frame members 8 resting within the grooves 4 formed in the shelf 2.

When it is desired to use the device as a ladder, the lower end of the ladder proper is slid forwardly out of engagement with the grooves 4, after which the upper end of the ladder is allowed to slide downwardly, the reduced ends of the rod 14 traveling downwardly through the slots in the guide members 6, the lower extremities of the side frames 8 resting upon the floor as shown in Fig. 1. The seat 1 of the stool forms the top step for the ladder as shown.

Although the drawings and above specification disclose the best mode in which I have contemplated embodying my invention I desire to be not limited to the details of such disclosure, for, in the further practical application of my invention, many changes in form and construction may be made, as circumstances require or experience suggests, without departing from the spirit of the invention, within the scope of the appended claims.

I claim:

1. In combination with a stool, including a seat and a lower shelf, diagonally disposed guide members located upon each side

of said stool beneath the seat, a ladder slidably engaged to said guide members at its upper end and arranged to be folded beneath the stool, the lower end of said ladder resting upon said shelf.

2. In combination with a stool, including a seat and a lower shelf, diagonally disposed guide members located upon each side of said stool beneath the seat, a ladder slidably engaged to said guide members at its upper end and arranged to be folded beneath the stool, said shelf provided with grooves to receive the lower end of the ladder.

In testimony that I claim the above, I have hereunto subscribed my name.

DANIEL L. HOLWICK.