(No Model.)

# M. H. TYLER.

## COMBINED STEP LADDER AND ADJUSTABLE BENCH.

No. 265,471. Patented Oct. 3, 1882.

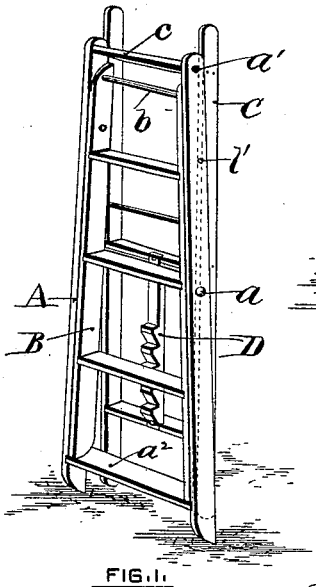


FIG. 1.

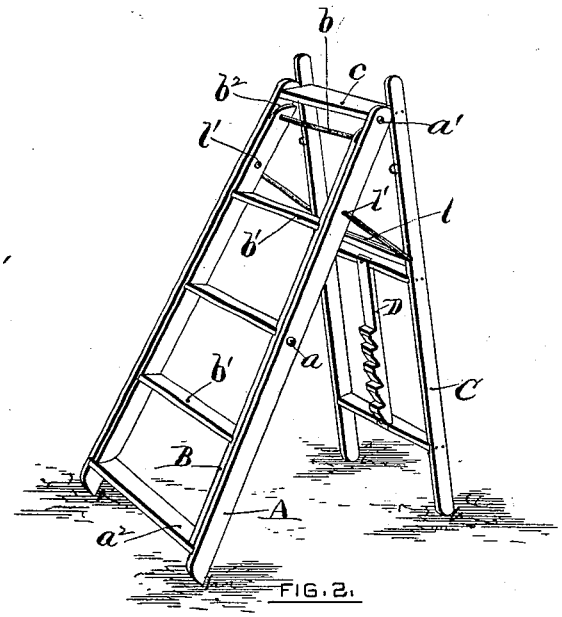


FIG. 2.

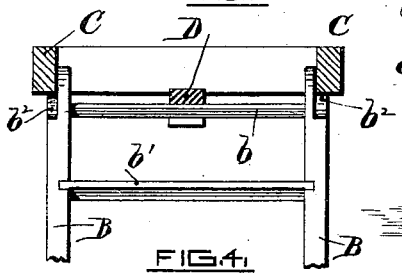


FIG. 4.

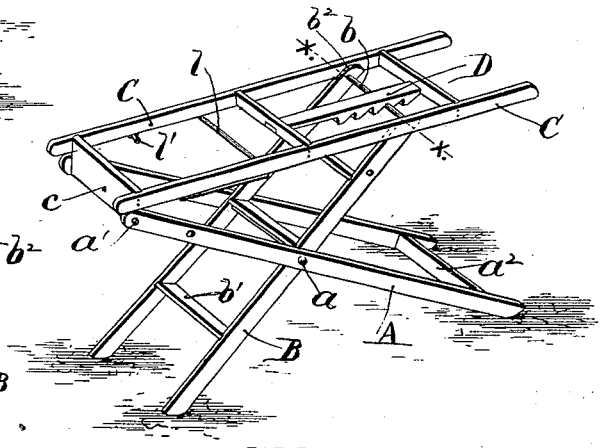


FIG. 3.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

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## COMBINED STEP-LADDER AND ADJUSTABLE BENCH.

SPECIFICATION forming part of Letters Patent No. 265,471, dated October 3, 1882.

Application filed May 15, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, MELVIN H. TYLER, a citizen of the United States, residing at Natick, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Combined Step-Ladder and Adjustable Bench; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improved combined step-ladder and adjustable bench; and it consists of a frame, to which is pivoted a step-ladder, and having also a supplemental frame attached to its upper end, which serves both as a brace for the steps and a table for the bench. This supplemental frame is provided with a series of ratchet-teeth, by means of which the height of the bench is adjusted.

In the accompanying drawings, Figure 1 represents my invention folded when not in use. Fig. 2 represents the same adjusted for use as a step-ladder. Fig. 3 represents the same when in use as a bench or a support for an ironing-board, &c. Fig. 4 is an enlarged sectional view on line *x x* of Fig. 3, showing the manner in which the table is supported.

To the outside frame or brace, A, is pivoted near its center, at *a*, an inner frame, B, which latter is provided with steps *b'*.

At the top of frame A is pivoted, at *a'*, another frame, C, which is provided with a ratchet, D, and serves both as a brace for the step-ladder and a table for the bench.

The top portion of the frame B is cut away on each side at $b^2$, thereby forming a shoulder, upon which the frame C is supported when used as a bench-table.

Secured longitudinally to the frame C, and near one end thereof, is a ratchet, D, the object of which is to engage with the round *b* of the frame B, whereby the height of the bench is adjusted. Said ratchet further serves to assist in supporting the bench.

To the frame C, and extending across it, is loosely attached by staples the wire rod *l*, said rod having a U-shaped form, the ends thereof bent inwardly, as shown at *l'*. The object of said rod *l* is to adjust and maintain in position the frame C when used in connection with the steps, as shown in Fig. 2. The bent ends *l* of the rod further serve, by extending through the frames A and B, to prevent the latter from swinging upon the pivot *a* when used as a step-ladder.

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

1. The combination of the pivoted frames A and B, which form the step-ladder, with the pivoted frame C, the latter provided with the ratchet D and rod *l*, said rod having its ends bent at *l'*, the whole constructed and arranged to produce at will a step-ladder or the legs and frame of a bench or table having vertical adjustment, substantially as shown and described.

2. The combination of the frames C and A with the frame B, the sides of the latter partly cut away at $b^2$ to form a shoulder or bearing for the frame C when the apparatus is used as an adjustable table or bench, substantially as shown and set forth.

In testimony whereof I have affixed my signature in presence of two witnesses.

M. H. TYLER.

Witnesses:
GEO. H. REMINGTON,
CHARLES HANNIGAN.