

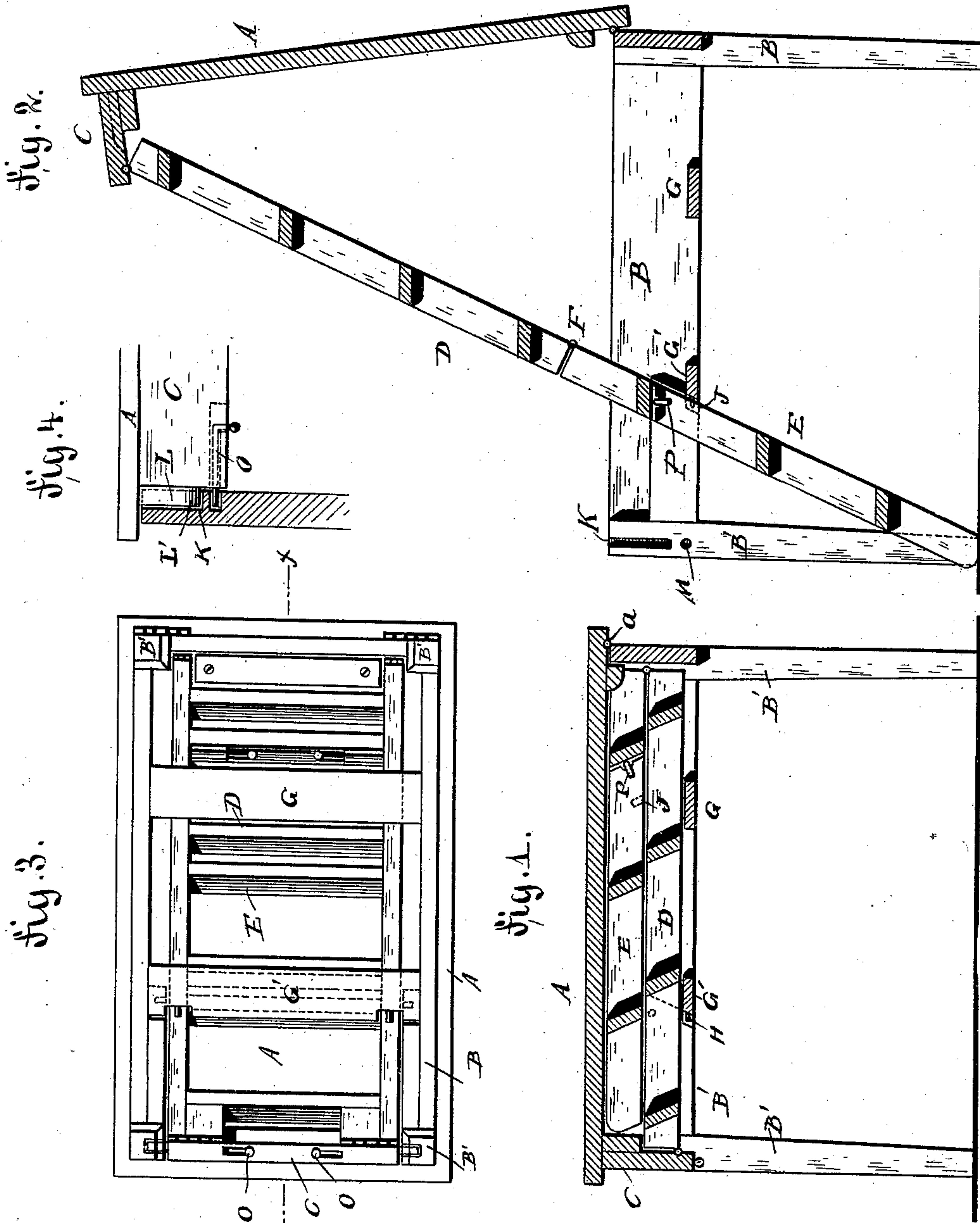
(No Model.)

L. TAETEROW.

STEP LADDER AND TABLE.

No. 357,048.

Patented Feb. 1, 1887.



WITNESSES:

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STEP-LADDER AND TABLE.

SPECIFICATION forming part of Letters Patent No. 357,048, dated February 1, 1887.

Application filed October 19, 1886. Serial No. 216,628. (No model.)

To all whom it may concern:

Be it known that I, LUDWIG TAETEROW, of the city, county, and State of New York, have invented certain new and useful Improvements in a Combined Step-Ladder and Table, of which the following is a specification.

The object of my invention is to provide a new and improved combined step-ladder and table which, when folded, can be used as a table, and, when erected, as a step-ladder.

The invention consists in the combination, with a table-frame open at one end, of a top plate or leaf pivoted to the closed end and a folding ladder hinged to the top plate at the swinging end, all as will be fully described and set forth hereinafter, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a longitudinal sectional elevation on the line x x , Fig. 3, of my improved folding step-ladder and table closed for use as a table. Fig. 2 is a longitudinal sectional view of the same erected for use as a step-ladder. Fig. 3 is a plan view of the under side of the same folded for use as a table. Fig. 4 is a detail sectional view of parts showing the latch.

Similar letters of reference indicate corresponding parts.

The top plate, A, of the table is hinged at a to the frame B, supported by legs B' in the usual manner, said top plate being adapted to swing upward. At the end of the top plate, A, opposite to the one that is hinged at a , a cross-piece, C, is fastened on the under side, and to said cross-piece C the upper end of a step-ladder is hinged, which step-ladder is composed of the sections D and E, hinged to each other at F, so as to adapt the section E to fold against the under side of the section D, the two folding sections D and E being adapted to fold against the under side of the top plate, the side bars of the sections being in contact at the edges, and the height of the side bars, when in contact, being about equal to the height of the end cross-piece, C.

The side pieces of the frame B are united at the bottom edges by two cross-bars, G and G', the edge of the cross-bar G' facing the open end of the table-frame—that is, the end adapted to receive the cross-piece C—being beveled, and from said beveled edge two pins, H, project to-

ward the open end of the table-frame. Notches J are formed in the inner edges of the side bars of the bottom step-ladder-section E, and serve to receive the said pins H.

The legs B' at the open end of the table-frame are provided at the upper ends of the inner sides with the grooves K, for receiving tongues L on the ends of the cross-piece C, the bottom ends of said tongues being beveled, as shown at L' in Fig. 1, to facilitate the passage of the same in the grooves. Below the groove K the aperture M is provided in the inner side of each table-leg for receiving the ends of sliding bolts O in the cross-piece C. Sliding bolts P are provided on the under side of one of the steps of the ladder-section E, and can be passed into suitable apertures in the side pieces of the frame.

The combined step-ladder and table is adjusted in the following manner: When it is desired to be used as a table, the ladder-sections are folded and the tongues L of the cross-piece passed into the grooves K, and the ends of the bolts O are passed into the apertures M, thus locking the parts in place. When it is to be used as a step-ladder, the bolts O are withdrawn, the plate A is swung into the position shown in Fig. 2, and the ladder-sections swung down until the lower end of the lower section, E, rests on the floor. The side pieces of the bottom section, E, rest against the bevels of the cross-bar G', the pins H passing into the apertures J in the rear edges of the side pieces. The bolts P are then moved outward, so that their ends pass into the apertures in the side pieces of the frame. When the ladder is to be folded, the bolts P are withdrawn from their apertures, the ladder-sections raised, and the bottom section, E, swung against the upper section, D, and against the under side of the top plate, A, which ladder-sections and top plate are then swung down into horizontal position, the tongues L passing into the grooves K. The parts are then locked in place by pushing the bolts O into the apertures M.

I am aware that tables and chairs have been combined with folding ladders, but do not claim this construction, broadly.

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

1. The combination, with a table-frame, of

a top plate hinged to said frame and a jointed ladder hinged to the swinging end of the top plate, which ladder can be folded within the frame and under the hinged top plate when said top plate rests upon the frame, substantially as shown and described.

2. The combination, with a table-frame open at one end, of a table-leaf or top plate hinged to the opposite end of the frame and provided with a cross-piece fitting in the open end of the frame, and of a jointed ladder hinged to the bottom edge of said cross-piece, substantially as shown and described.

3. The combination, with a table-frame open at one end and having grooves in the inner sides of the legs at the open end, of a top plate hinged to the opposite end of the frame, a cross-piece on the under side of the top plate, and of tongues on the ends of said cross-piece and a jointed ladder hinged to the bottom edge of the cross-piece, substantially as shown and described.

4. The combination, with a table-frame open at one end and provided with cross-pieces uniting the side pieces, the edge of that cross-piece next the open end of the frame being beveled

and provided with pins, of a folding ladder hinged to the swinging end of the top plate, the side pieces of one section of the ladder having apertures for receiving pins on the cross-piece, substantially as shown and described.

5. The combination, with a table-frame open at one end, of a top plate hinged to the closed end, a folding ladder hinged to the swinging end of the top plate, and sliding bolts on the cross-piece of the top plate, substantially as shown and described.

6. The combination, with a table-frame open at one end, of a top plate hinged to the closed end, a folding ladder hinged to the swinging end of the top plate, sliding bolts on a cross-piece at the hinged end of the top plate, and sliding bolts on the ladder, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

LUDWIG TAETEROW.

Witnesses:

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