

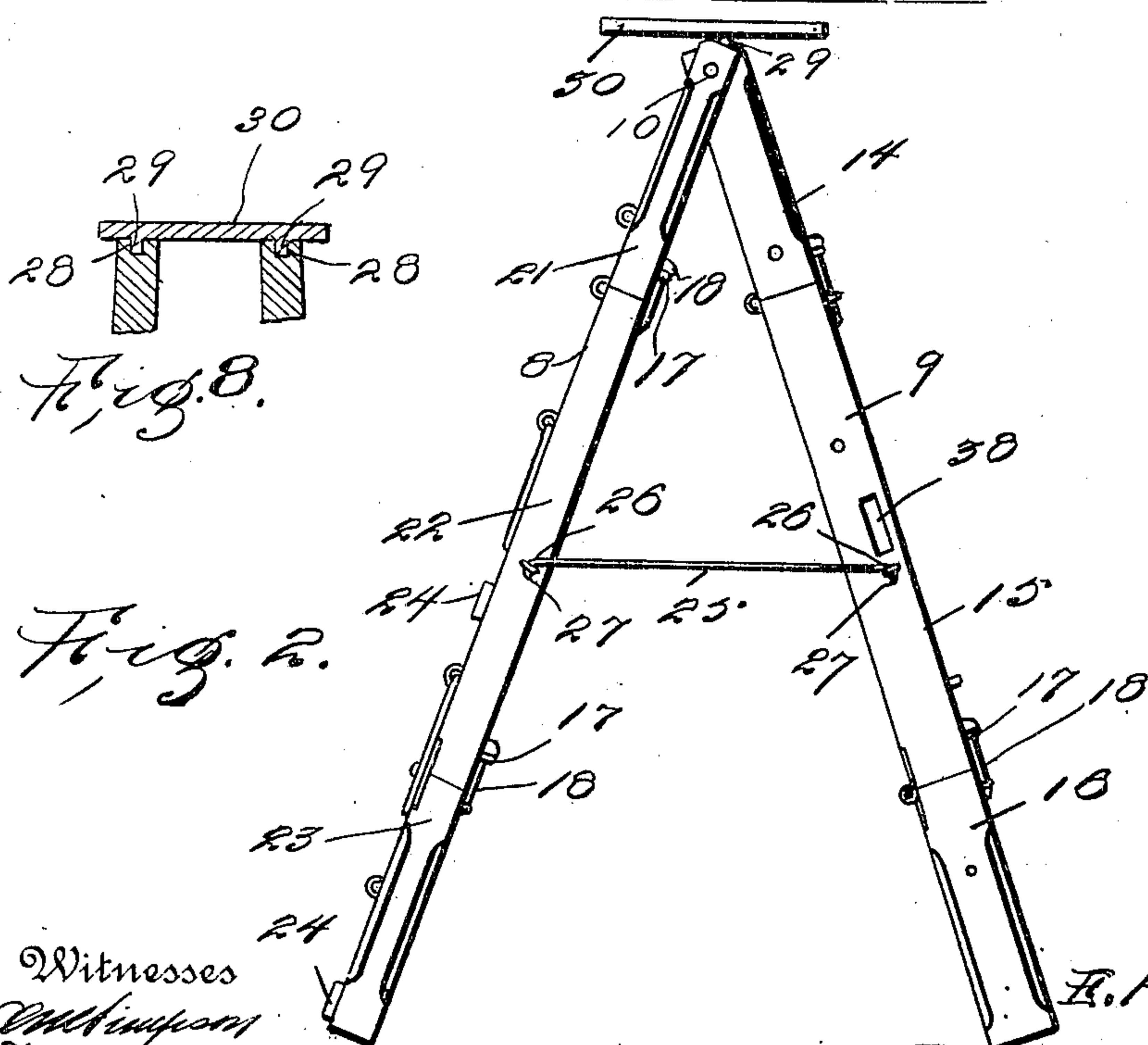
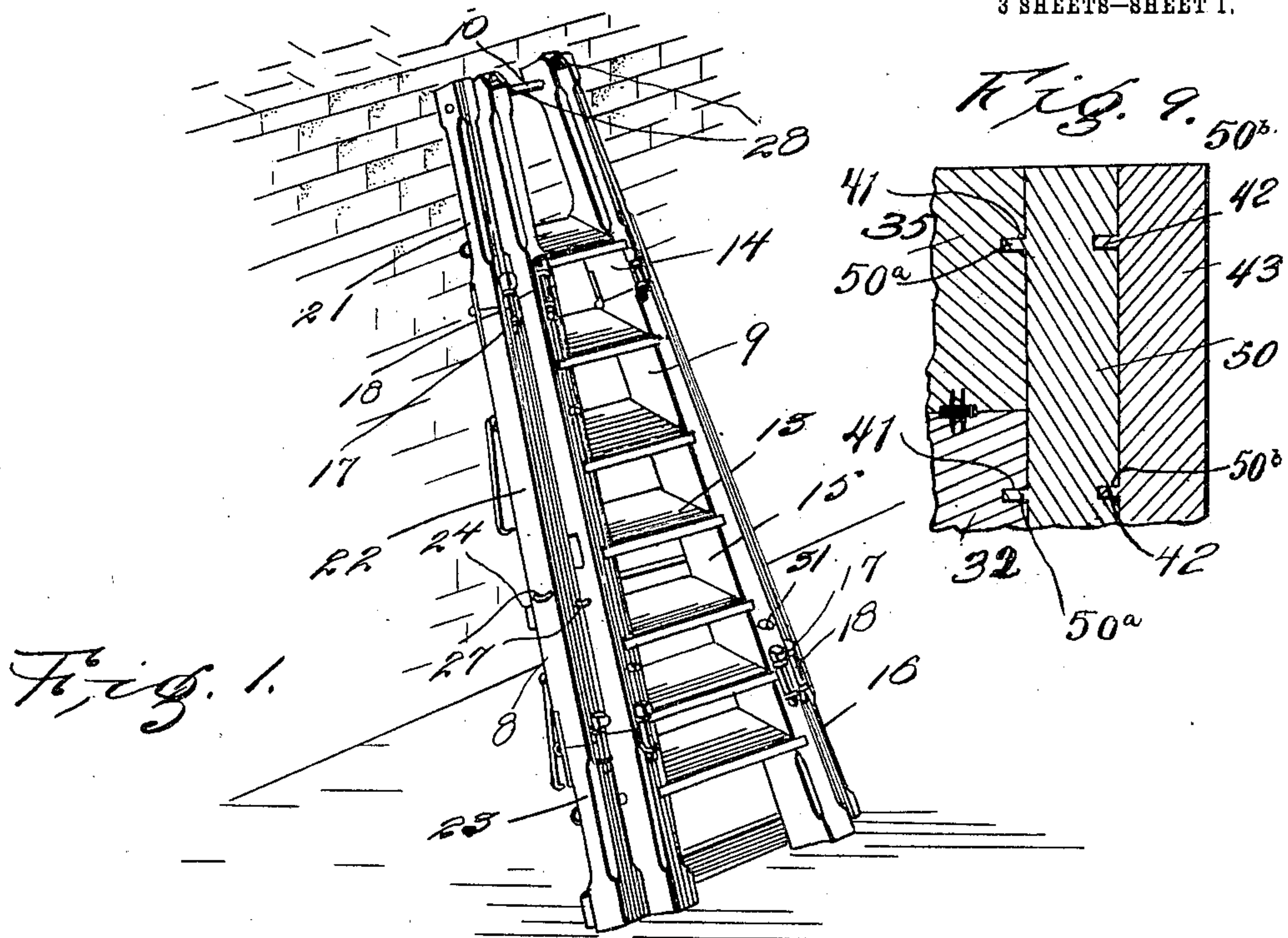
No. 837,714.

PATENTED DEC. 4, 1906.

E. H. PAINTER.
COMBINATION STEP LADDER, TABLE, AND IRONING BOARD.

APPLICATION FILED FEB. 6, 1904.

3 SHEETS—SHEET 1.



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Fig. 5.

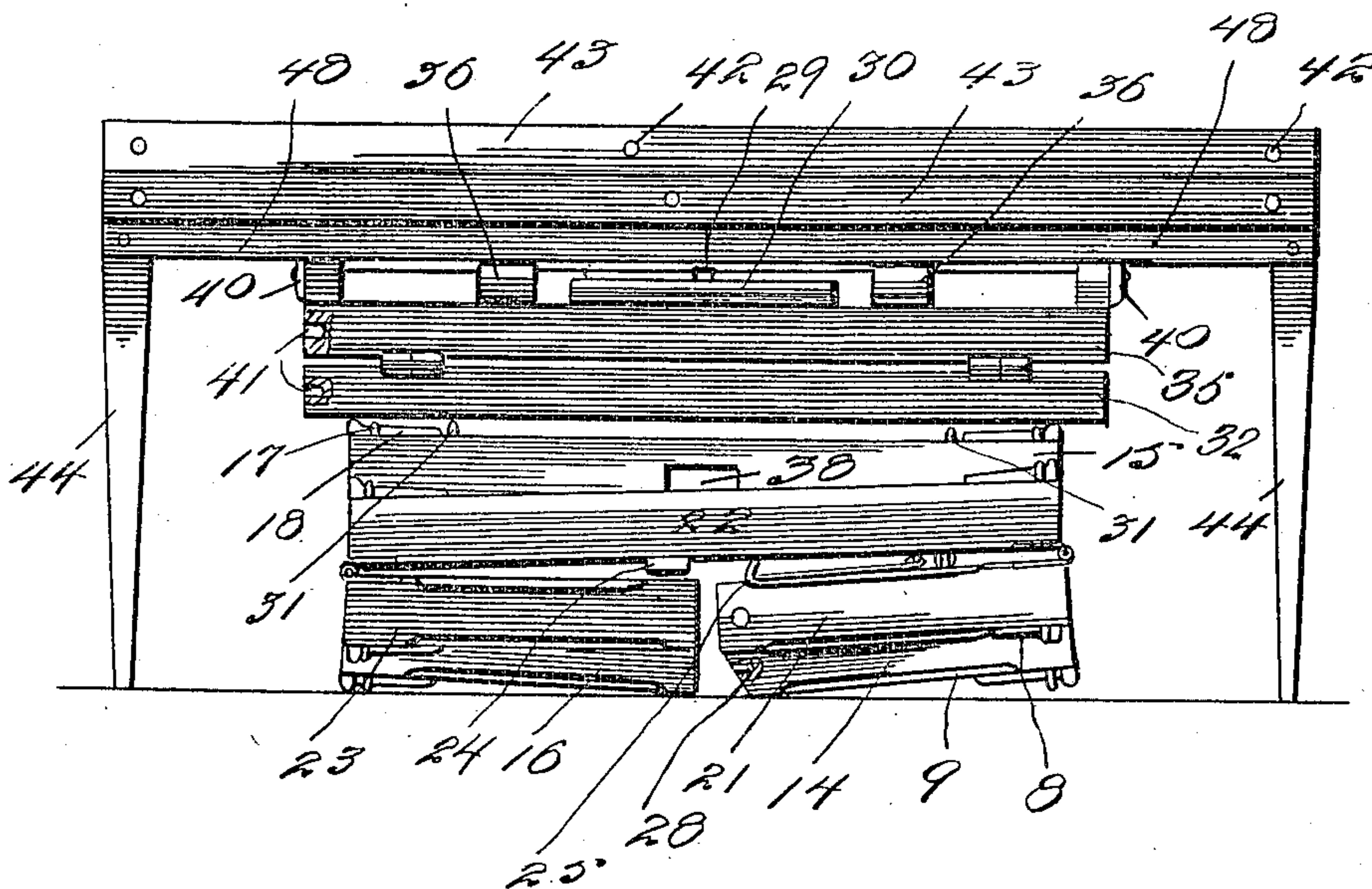
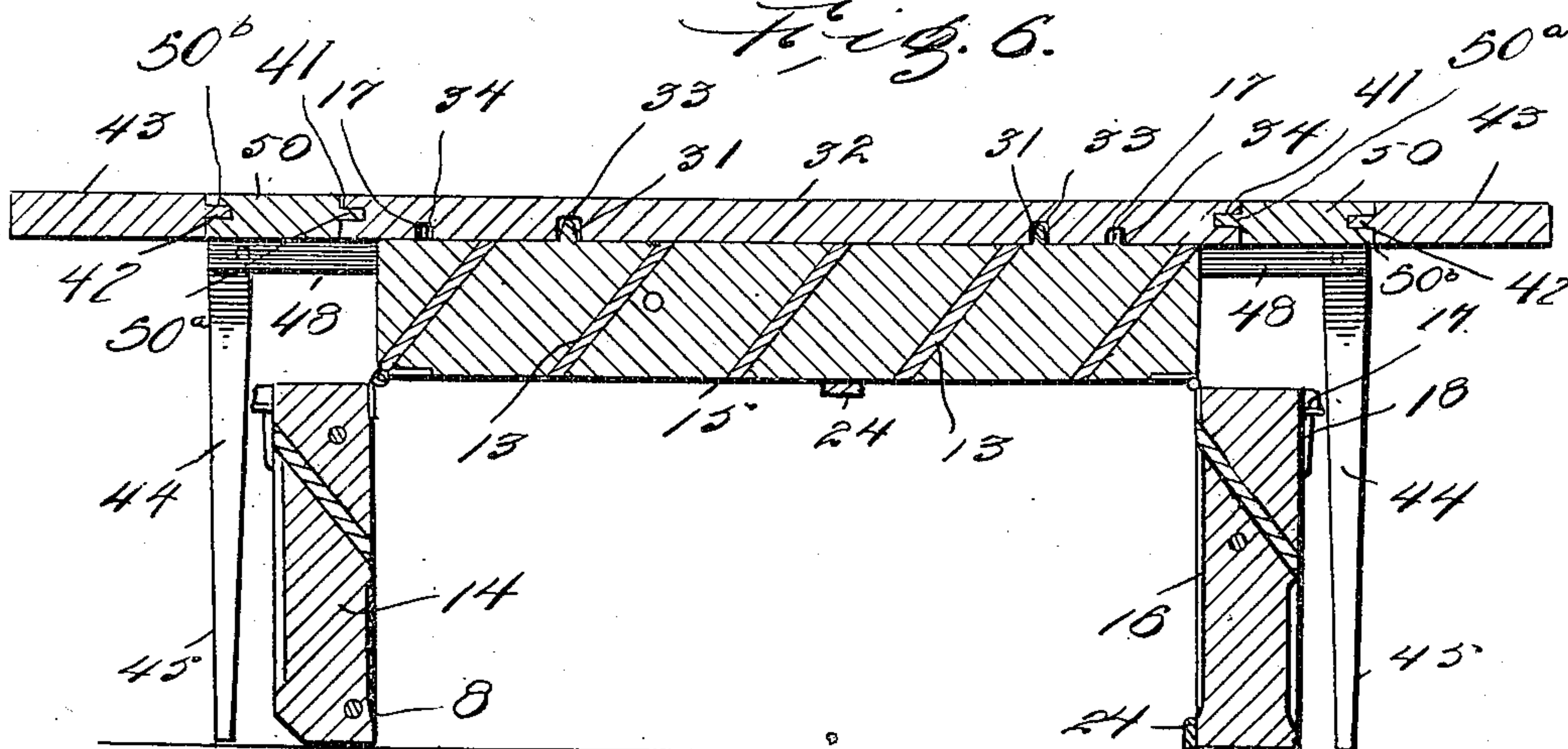


Fig. 6.



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3 SHEETS—SHEET 3.

Fig. 5.

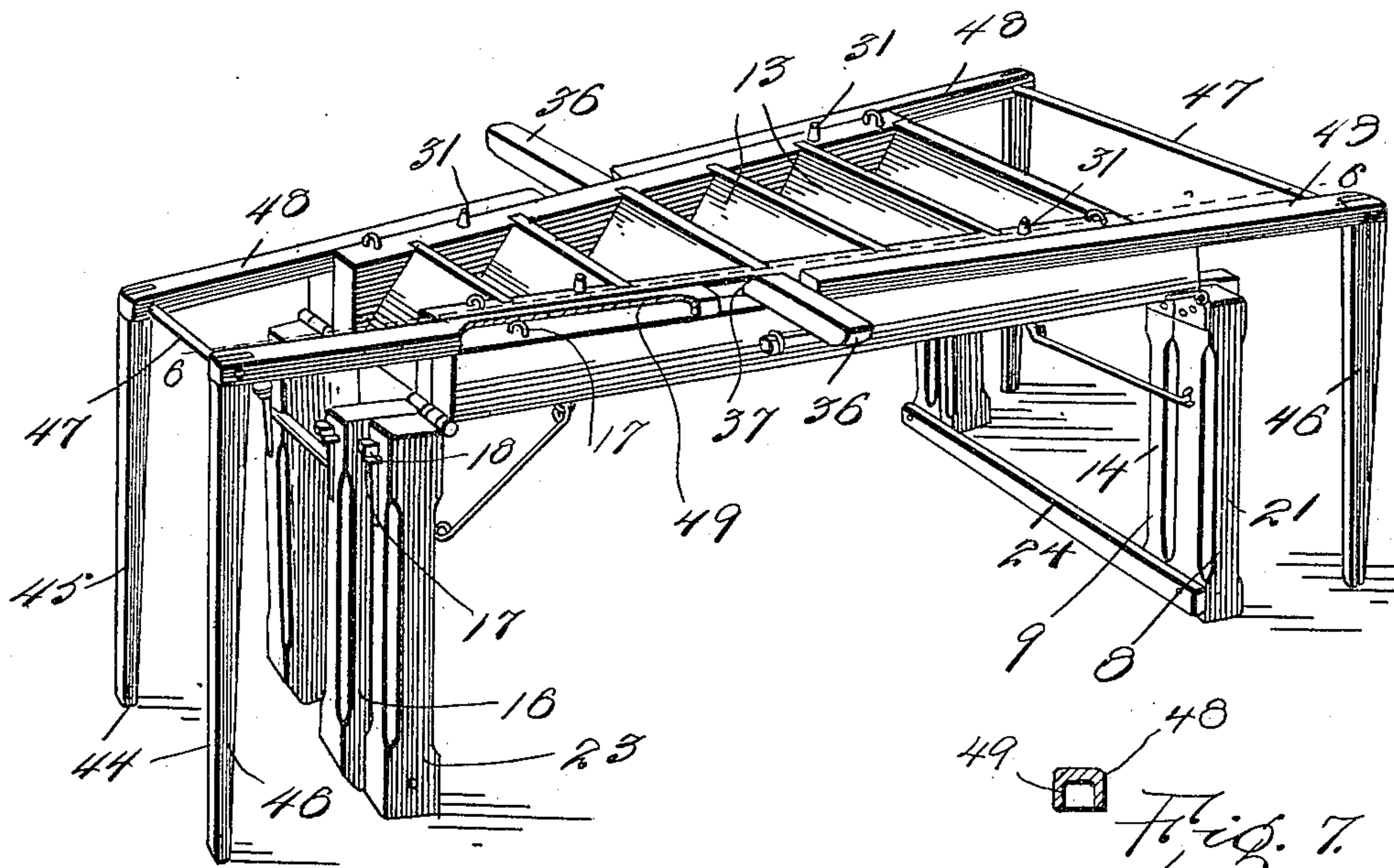
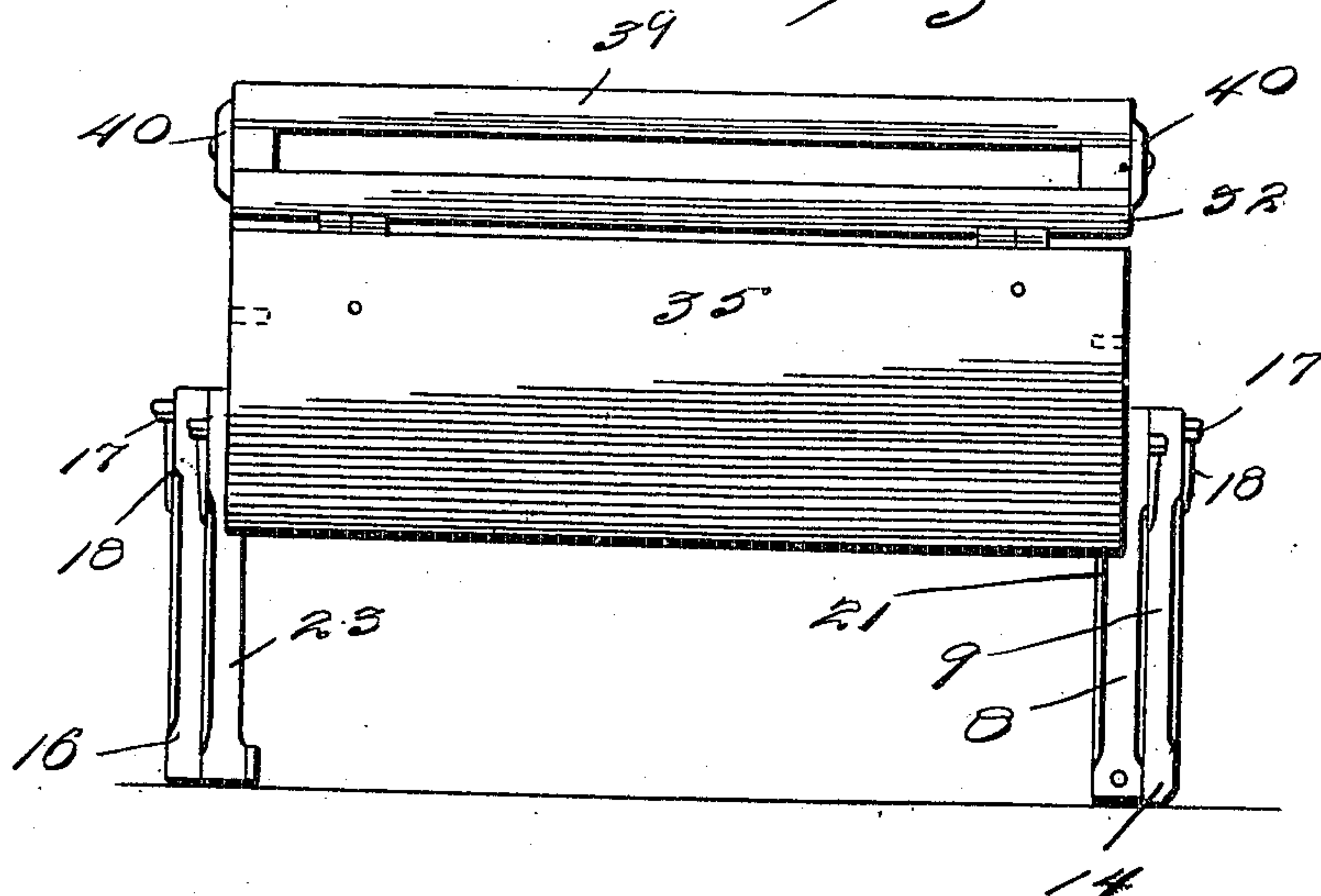


Fig. 4.



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UNITED STATES PATENT OFFICE.

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COMBINATION STEP-LADDER, TABLE, AND IRONING-BOARD.

No. 837,714.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed February 6, 1904. Serial No. 192,369.

To all whom it may concern:

Be it known that I, EMERICK H. PAINTER, a citizen of the United States, residing at Alpha, in the county of Lewis, State of Washington, have invented certain new and useful Improvements in a Combination Step-Ladder, Table, and Ironing-Board; 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.

This invention relates to furniture, and more particularly to combination furniture; and it has for its object to provide a device which may be converted into a table or step-ladder, as desired, and which may be folded when not in use to occupy a minimum of space.

A further object is to provide an ironing-board construction which may be readily attached to the table.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view of a portion of the device folded to form an unsupported ladder. Fig. 2 is a side elevation of the ladder in its self-supporting position. Fig. 3 is a view of the complete device folded when not in use. Fig. 4 is a side elevation of the table with the folding leaves down and with the bosom-board in place. Fig. 5 is a perspective view of the ladder and the extensible legs arranged for the reception of the table-top; and Fig. 6 is a sectional view of the table, taken on line 6 6 of Fig. 5. Fig. 7 is a detail sectional view of one of the grooved arms. Fig. 8 is a detail sectional view of the upper end of one of the sections of the ladder, showing the manner of attaching the bucket-rest thereto. Fig. 9 is a horizontal section through one end of the table-top and through the supplemental leaves, illustrating the arrangement of the dowel-pins connecting these portions.

Referring now to the drawings, and more particularly to Figs. 1 and 2 thereof, there is shown a ladder comprising two portions 8 and 9, which are hinged together at their tops by means of a rod 10. The portion 9 consists of sides which converge upwardly and connecting-steps 13 and is composed of three sections 14, 15, and 16, which are hinged together at their ends and are adapted to form at times the complete portion 9,

as shown. The sections 14 and 16 are hinged for movement in the same direction with respect to the section 15, so that they may be turned to rest with their ends upon the ground and to support the section 15 when the latter is used as a support for a table. In order to hold in alinement the several sections of the ladder when the device is used as such, staples 17 are provided at the adjoining ends of the sections and are adapted to receive locking-pins 18. The portion 8 is of similar construction to the portion 9, with the exception of the connecting-steps. It comprises sides which are pivoted at their upper ends to the portion 9, as mentioned above, and lying exteriorly thereof, so that the portion 9 may be folded to lie between the sides of the portion 8, as shown in Fig. 1. The portion 8 is similarly constructed to the portion 9 and comprises three sections 21, 22, and 23, which are hinged together, as shown, and which are provided with staples 17 and locking-pins 18, which are identical with those of the portion 9. The sides of the portion 8 are connected by cleats 24, which are secured to the rear edges of the sides of said portion.

When used as a self-supporting ladder, as shown in Fig. 2, the portion 8 is moved away from the portion 9, and a spacing-rod 25 is engaged with its hooked ends 26 in eyes 27, which project from the sides of the portions. The upper ends of the sides of the portion 9 are beveled at their outer corners and are provided with sockets 28 for the reception of dowels 29, which project from the under face of a bucket-rest 30, which may thus be attached to the top of the ladder.

As mentioned above, the sections 14 and 16 of the portion 9 of the ladder may be folded downwardly at right angles to the section 15 to support the latter, and the same is the case with the sections 21 and 23 of the portion 8, which in this position act to support the section 22. As shown, the sides of the portion 9 are somewhat wider than the similar sides of the portion 8, and from the forward edges of the sides of the section 15 there project a plurality of dowels 31.

In Fig. 6 of the drawings the ladder is shown folded, as mentioned, and there is shown disposed thereon a table-top 32, which is provided with sockets 33 for the reception of dowel-pins 31 and with elongated sockets 34 for the reception of the staples 17 of the section 15. In this position the locking-pins

18 are engaged with the staples of the hinged portions, as shown. The table-top 32 is provided with drop-leaves 35, and to support these there are a pair of arms 36, having reduced ends 37, which may be engaged with sockets 38 in the outer faces of the sides of the section 15. A bosom-board 39 is provided and may be placed upon the top of the table, to which it is secured by means of turn-
 10 buttons 40, as shown in Fig. 4.

The ends of the table-top 32 and the drop-leaves 35 are provided with openings 41 for the reception of dowels 42, which are carried by extension-leaves 43, and to support these
 15 leaves there are provided extensible legs 44, which may be applied to the ladder, as shown in Fig. 5. Each of these extensible legs is in reality a pair of legs 45 and 46, which are connected at their tops by a brace
 20 47 and which have extending therefrom a pair of arms 48, which have recesses 49 in their under sides opening through the free ends thereof. As shown in Fig. 5, these extensible legs are disposed with the arms 48
 25 upon the upper faces of the sides of the section 22, with their recesses 49 engaged over the staples 17 of this section, it being apparent that the legs 45 and 46 are arranged to fit at their respective ends of the ladder. It
 30 will thus be apparent that the legs 44 may be drawn out or pushed in, and it is possible to employ additional extension-leaves 50, which may be disposed between the leaves 43 and the table-top, these leaves 50 having dowels
 35 50^a for engagement in the sockets 41 and sockets 50^b for the reception of the dowels 42.

When not in use, the sections 23 and 16 21 and 14 may be folded to lie beneath the under faces of the sections 22 and 15, as shown
 40 in Fig. 3. The drop-leaves 35 are then folded to rest upon the top 32, which is disposed upon the folded ladder. The arms 36, the top of the ladder, and similar portions may then be disposed upon the drop-leaves, and
 45 the legs may be disposed with their arms resting upon these portions, the extension-leaves 43 being disposed upon these arms. The several parts may thus be disposed to occupy little room when the invention is not
 50 in use.

What is claimed is—

1. A ladder comprising two portions hinged together at one end, one of said portions comprising spaced sides and connecting-steps,
 55 and the other portion comprising spaced sides and connecting-cleats, said portions being adapted to be separated at their free ends to form a self-supporting ladder, each of said portions comprising central sections and
 60 hinged end sections, said end sections being adapted to be turned at right angles to the central sections to support the latter, said

central sections being adapted to receive thereon and to support a table-top.

2. A ladder comprising a portion including 65 spaced sides and connecting-steps, a second portion, including spaced sides and connecting-cleats, disposed with one end of its spaced sides exteriorly of the first-named portion at one end thereof, and pivoted thereto,
 70 said portions being adapted to be separated at times at their free ends to form a self-supporting ladder, and at times to lie with the first-named portion between the sides of the
 75 second-named portion throughout their entire lengths to form an unsupported ladder, each of said portions comprising central sections and hinged end sections, said end sections being adapted to be turned at right angles to the central section to support the lat-
 80 ter, said central section being adapted to receive and support a table-top.

3. A combination step-ladder and table comprising a central section including spaced sides, steps connecting the sides, supplement- 85 tal end portions hinged to the sides at the ends thereof and adapted to be alined therewith to form a complete ladder, and to be turned at right angles thereto to support the central section, means for holding the sev- 90 eral sections at times in alinement, a table-top adapted to be disposed upon the central section, extension-leaves removably secured to the table-top, and supporting-legs slidably and removably attached to the ladder to sup- 95 port the extension-leaves.

4. A table comprising a support, a top removably disposed upon the support, supplemental leaves hinged to the top, means removably attached to the support to support 100 the supplemental leaves, extension-leaves removably engaged with the top and supplemental leaves, and extensible legs removably attached to the support to support the extension-leaves, said support being adapted to 105 form at times a step-ladder.

5. A table comprising a support, a top removably disposed upon the support, said support having sockets therein, supplemental leaves hinged to the sides of the top, arms 110 removably engaged with the sockets to support the supplemental leaves, extension-leaves attached to the ends of the top and supplemental leaves and extensible legs removably attached to the support to support 115 the extension-leaves, said support being adapted to form at times a step-ladder.

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

EMERICK H. PAINTER.

Witnesses:

MARY SINCLAIR,
 OLIVE SINCLAIR.