

(No Model.)

2 Sheets—Sheet 1.

E. J. FULGHUM.
FOLDING TABLE.

No. 540,971.

Patented June 11, 1895.

Fig. 1

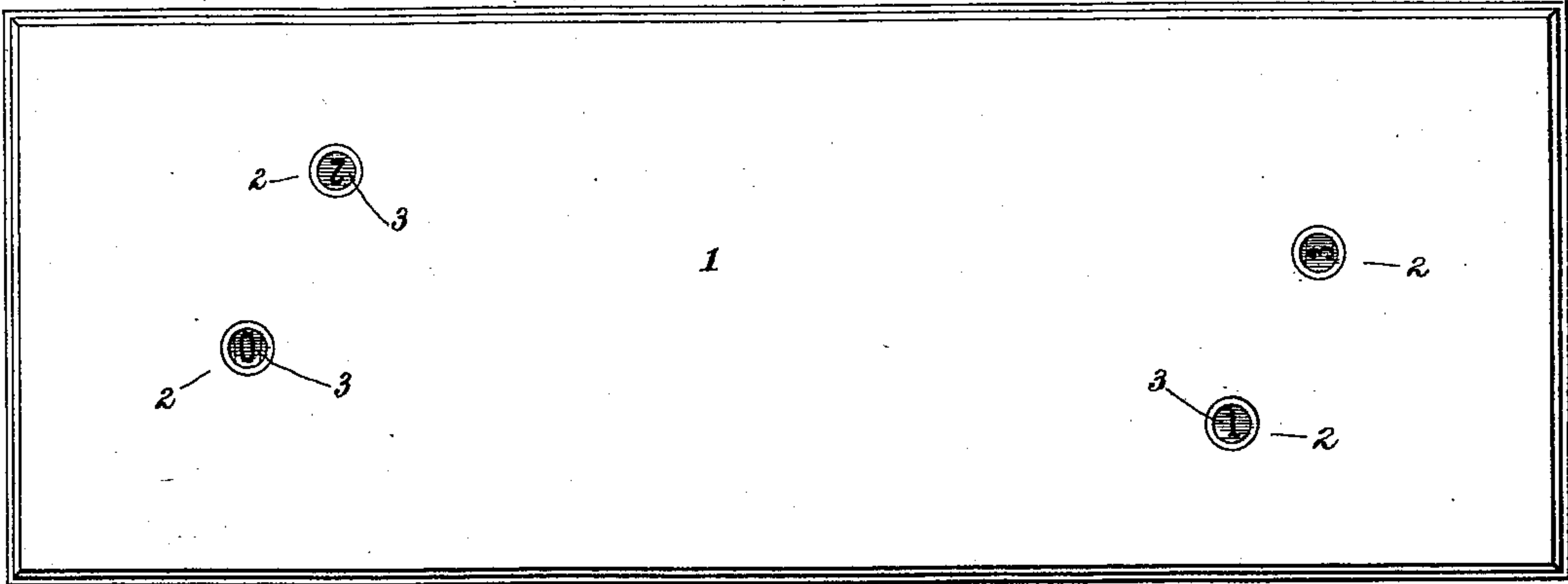


Fig. 2

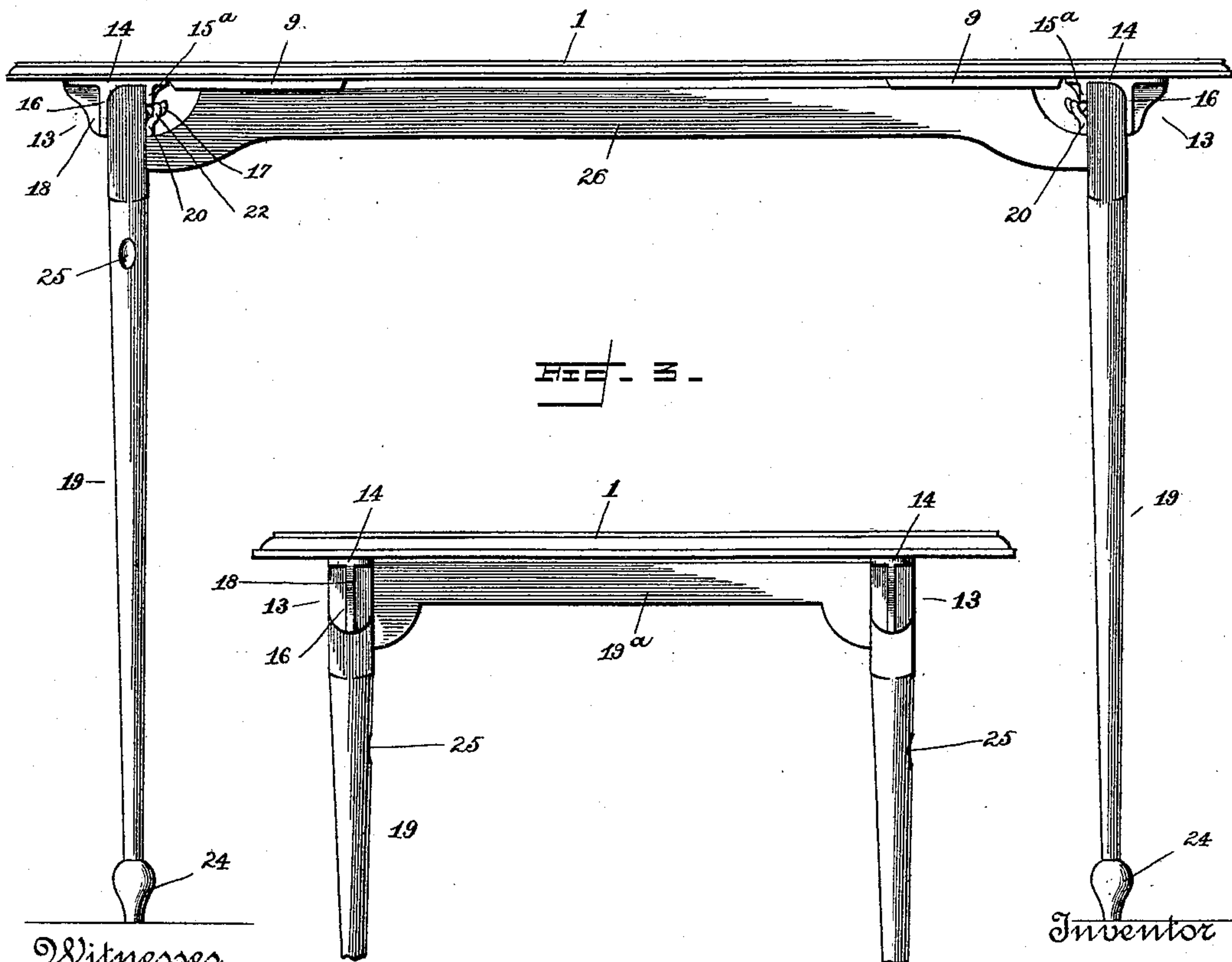


Fig. 3

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By *W. J. Duvall* Attorney.

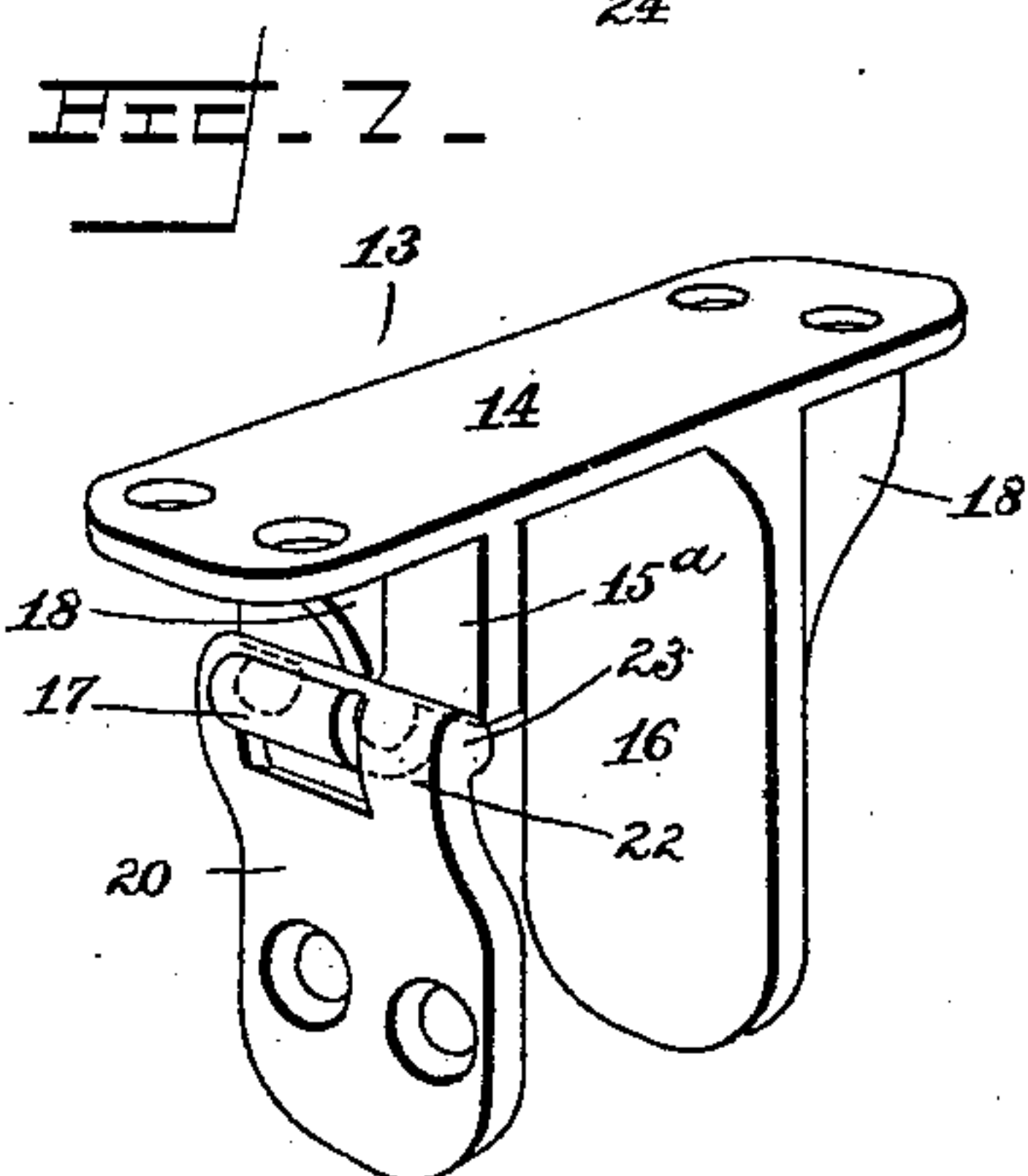
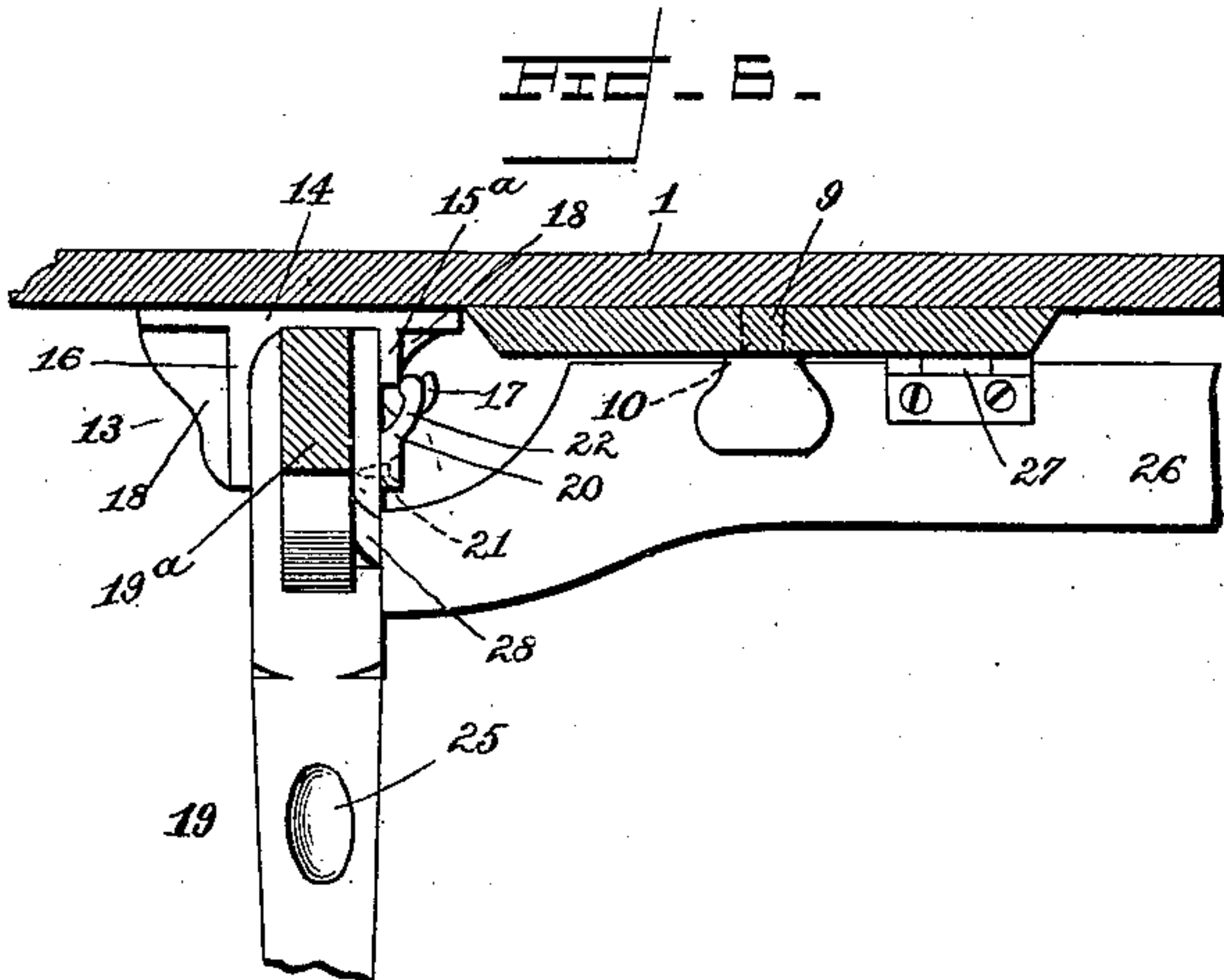
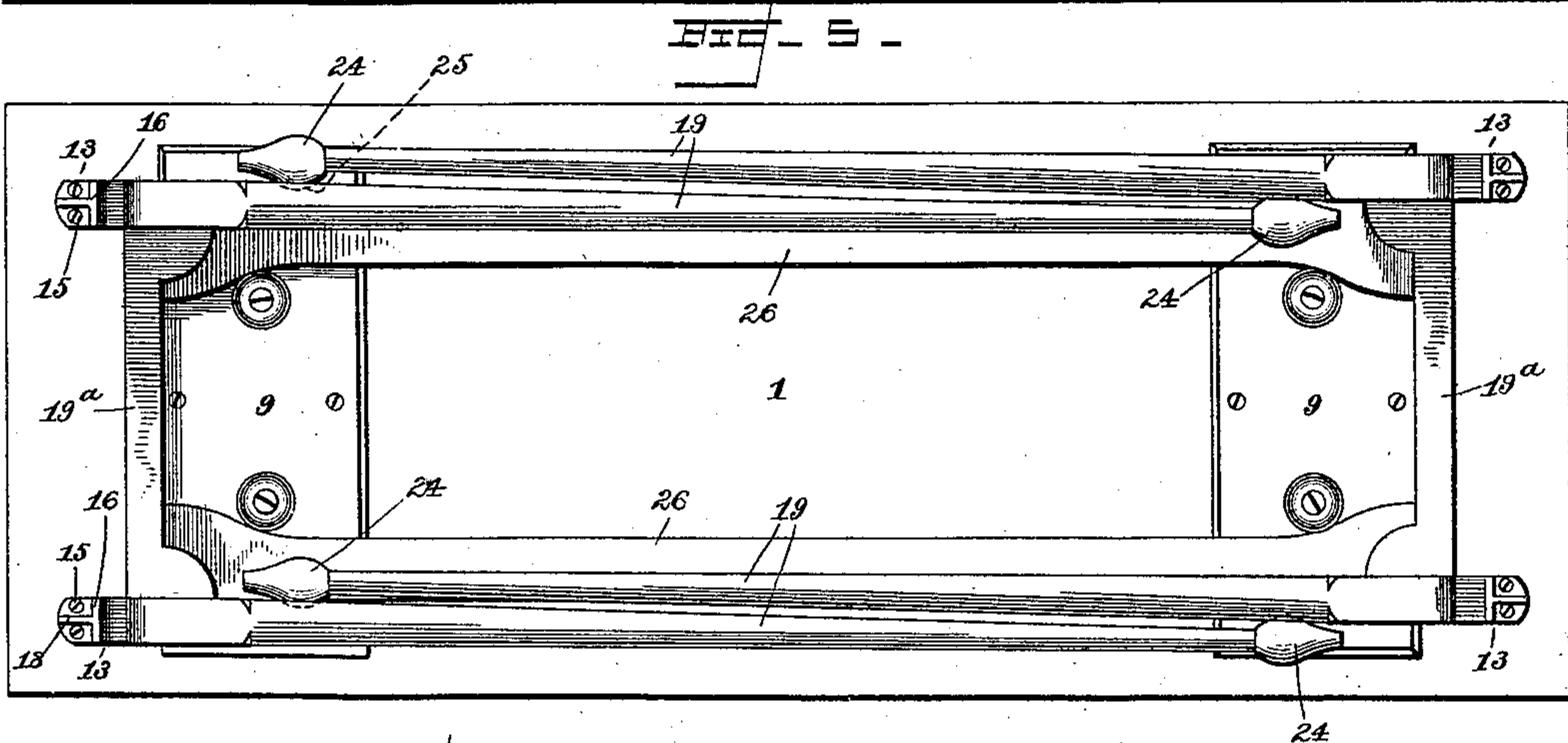
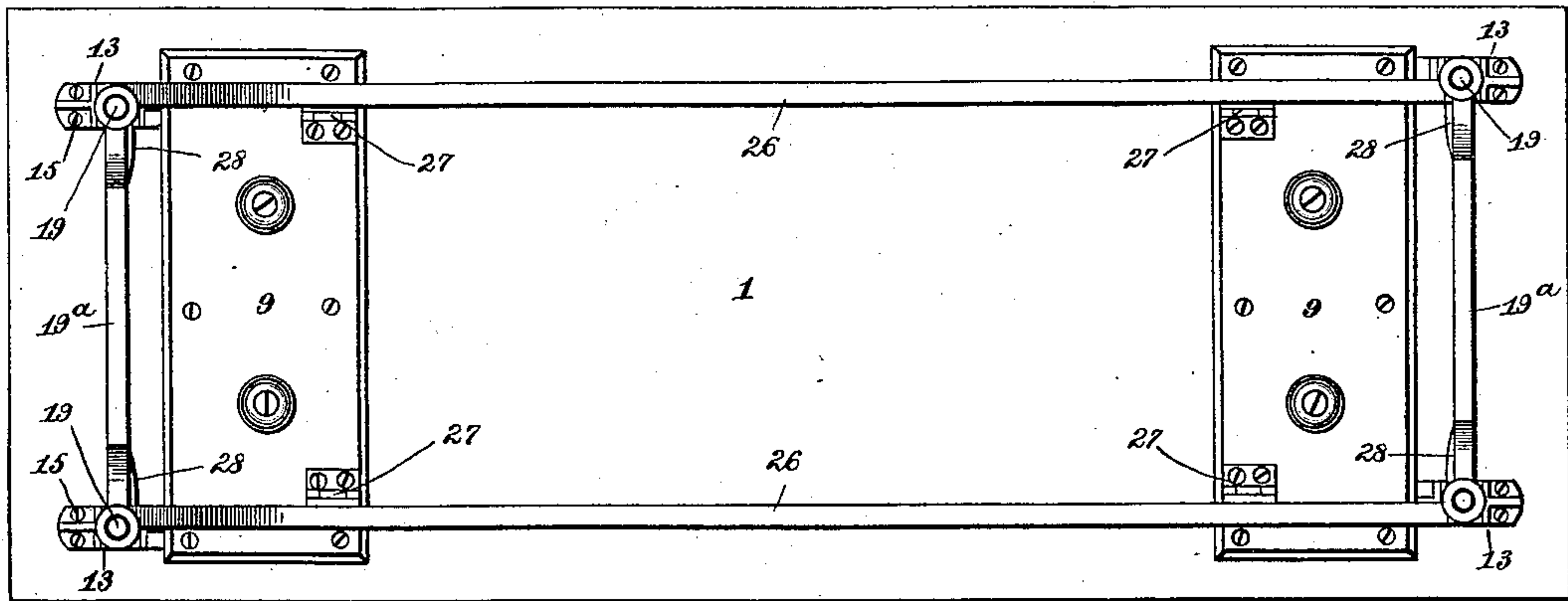
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2 Sheets—Sheet 2.

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Edw. S. Duvall Jr.
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By *M. S. Duvall* Attorney

UNITED STATES PATENT OFFICE.

ELISHA J. FULGHUM, OF TRAVERSE CITY, MICHIGAN.

FOLDING TABLE.

SPECIFICATION forming part of Letters Patent No. 540,971, dated June 11, 1895.

Application filed May 29, 1894. Serial No. 512,853. (No model.)

To all whom it may concern:

Be it known that I, ELISHA J. FULGHUM, a citizen of the United States, residing at Traverse City, in the county of Grand Traverse and State of Michigan, have invented certain new and useful Improvements in Folding Tables; 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.

My invention relates to improvements in tables, and has special reference to that class thereof known as folding tables.

The objects of my invention are to produce a table that is especially designed as a card table, or for playing other games; to so construct the table as to adapt the same to readily fold compactly so as to be set aside when not in use and occupy but little space; and finally to embody in the table a construction of hinge that is adapted to effectually serve as such for the purpose of permitting the legs of the table to fold against the under side of the top and also to serve as a secure brace to the legs when they are extended and the table in position for use.

Other objects and advantages of the invention will appear in the following description and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a plan view of a table embodying my invention. Fig. 2 is a side elevation thereof. Fig. 3 is an end elevation. Fig. 4 is a bottom plan view, the legs extended. Fig. 5 is a similar view, the legs folded. Fig. 6 is a longitudinal sectional view through the table top, illustrating the hinge and brace together with a portion of the legs. Fig. 7 is a detail in perspective of the hinge and brace.

Like numerals of reference indicate like parts in all the figures of the drawings.

The top 1 may be of any desired shape, but in the present instance is oblong, and it is provided adjacent to each of its four edges with sight openings 2, in which are arranged glass or other transparent panels 3 in which any desired game counter may be arranged.

Secured to the under side of the table top beyond the cleats are pairs of transversely aligning cast metal brackets 13, and each

comprises a horizontal securing-plate 14 perforated at its four corners to receive screws 15 which pass therethrough and into the under side of the table-top. Each bracket also comprises a pair of depending inner and outer lugs 15^a and 16 respectively which are integral with the bracket, the outer lugs depending below the lower ends of the inner lugs and the two lugs being spaced apart so as to form an intermediate socket in the bracket for the reception of the table legs, hereinafter described. The inner lug of each bracket is between its opposite edges provided with an extension which is bent or curved to produce one open member 17 of a hinged joint and each of the lugs is provided with a bracing web 18.

19 designates the legs of which there are four, the same being arranged in pairs at opposite ends of the table and at a distance apart agreeing with that of the brackets. The legs are connected by cross-pieces 19^a, and at their inner faces near their upper ends are provided with metal plates 20 which are perforated to receive screws 21 by means of which the plates are secured to the legs. These plates are at their upper ends and between their side edges cut away and at opposite sides thereof are bent to form the remaining members 22 of the hinged joint, and are connected loosely with the first mentioned brace by means of transverse pintles 23 so that as will be obvious the legs may be folded up against the under side of the table top or away from the same at a right angle thereto and when in the latter position the upper ends of said legs will rest in the sockets produced by the pairs of lugs. The upper outer corners of the legs are rounded so as to permit of the legs swinging to and from the table and the sockets in their bottoms conform to such rounding. When the legs are swung to an operative position, that is so as to support the table, the outer lugs act as braces against which the outer faces of the legs are pressed in a manner to be described. The legs at their lower ends are enlarged forming feet 24, and the legs are so set with reference to each other that the one will receive the other, or in other words they will lie side by side when packed against the under side of the table top. Each leg has a depression or recess

formed therein and such recess receives the feet or enlarged portions of the opposite leg, so that after having been sprung in position they retain that position and the table may
5 be carried about without danger of the legs becoming loose, as will be obvious.

Side pieces or braces 26 are located between the opposite pairs of legs and they are hinged as at 27 to the cleats, or it may be to the
10 under side of the table top. They are therefore capable of being packed flatly or folded against the under side of the table, or swung downward at a right angle to the table. Their extremities are cut away at their upper cor-
15 ners to avoid the hinges in their movement, and when swung to a lowered position or at a right angle to the table, they impinge at their ends against the opposite pairs of legs, thus spreading the latter and forcing them
20 outward in the manner before described against the outer lugs of the brackets. They are assisted or facilitated in assuming this position by means of inclined blocks 28 which are arranged at the juncture of the legs and
25 cross-bars.

In order to set up the table the legs are first swung at a right angle to the table top, after which it is simply necessary to swing the side pieces 26 downwardly and cause them to im-
30 pinge at their ends against the legs, forcing the latter outward against the outer lugs of the brackets. When in this position the table will be found to be extremely rigid and stable, and in order to pack the table as when
35 not in use, it is simply necessary to swing the side pieces upward against the under side of the table and elevate the legs against the table top springing the enlarged feet thereof into the locking recesses of the opposite legs.

40 From the foregoing description in connection with the accompanying drawings it will be seen that I have provided a very simple construction of folding table, one in which extreme rigidity and strength is secured as
45 well as the capabilities of compact folding. I employ no extraneous means for securing the legs in their folded positions, nor fastening devices for securing them in their unfolded or operative position, but such means
50 are inherent in the construction itself.

Each player may at any time see the score of his opponent and may also observe the counting of the game as the same progresses.

55 I do not limit my invention to the precise details of construction herein shown and described, but hold that I may vary the same to any degree and extent within the knowledge of the skilled mechanic.

60 By swinging the legs to an angle of about forty-five degrees, the hinges thereof may be disconnected, and thus the table better adapted for compact folding for shipment.

Having described my invention, what I claim is—

1. The combination with a table top, of op- 65
posite pairs of hinged legs, the same being relatively located so as to pack or fold one upon the other, each of said legs terminating at its lower end in an enlarged foot, and each
70 of said legs being provided near its upper end with a pocket or recess into which the said enlarged foot may be sprung whereby the legs are locked together against displacement when lying side by side, substantially as speci-
75 fied.

2. The combination with a table top, of op-
posite pairs of U-shaped brackets, opposite
pairs of legs hinged to the inner terminals of
the brackets and adapted to take between
80 the terminals thereof, and opposite side-bars hinged to the under side of the table between the pairs of legs and adapted at their ends to ride over the inner faces of the legs and serve for spreading the legs outward against the
85 outer terminals of said brackets, substantially as specified.

3. The combination with a table top, of
pairs of opposite U-shaped brackets, pairs of
legs hinged to the inner terminals of the
brackets, at a point below the table top and
90 opposite intermediate side pieces hinged to the under side of the table and adapted to fold upwardly thereagainst and to be swung down and be forced between the inner sur-
95 faces of the pairs of legs so as to spread the same against the outer terminals of the brackets, substantially as specified.

4. The combination with the table top and
the opposite pairs of cast metal brackets each
consisting of an upper perforated securing- 100
plate, an outer depending lug and an inner depending lug, the same forming interme-
diate sockets, the inner lugs between their
ends being reduced and bent to form one mem-
105 ber of a hinged joint, of the opposite legs, the transverse connecting bars therefor, the metal plates secured on the legs near their upper
ends and at their inner sides, and having their
intermediate portions cut away to receive the
hinged member of the lug, and at opposite 110
sides of the same bent to form the companion member, the pintles connecting the members, and the opposite side pieces hinged between
115 the brackets and lugs and adapted to fold against the table or downward between the pairs of legs so as to spread the latter and force them against the outer lugs, substan-
tially as specified.

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

ELISHA J. FULGHUM.

Witnesses:

LORIN ROBERTS,
LOUISE SECTER.