

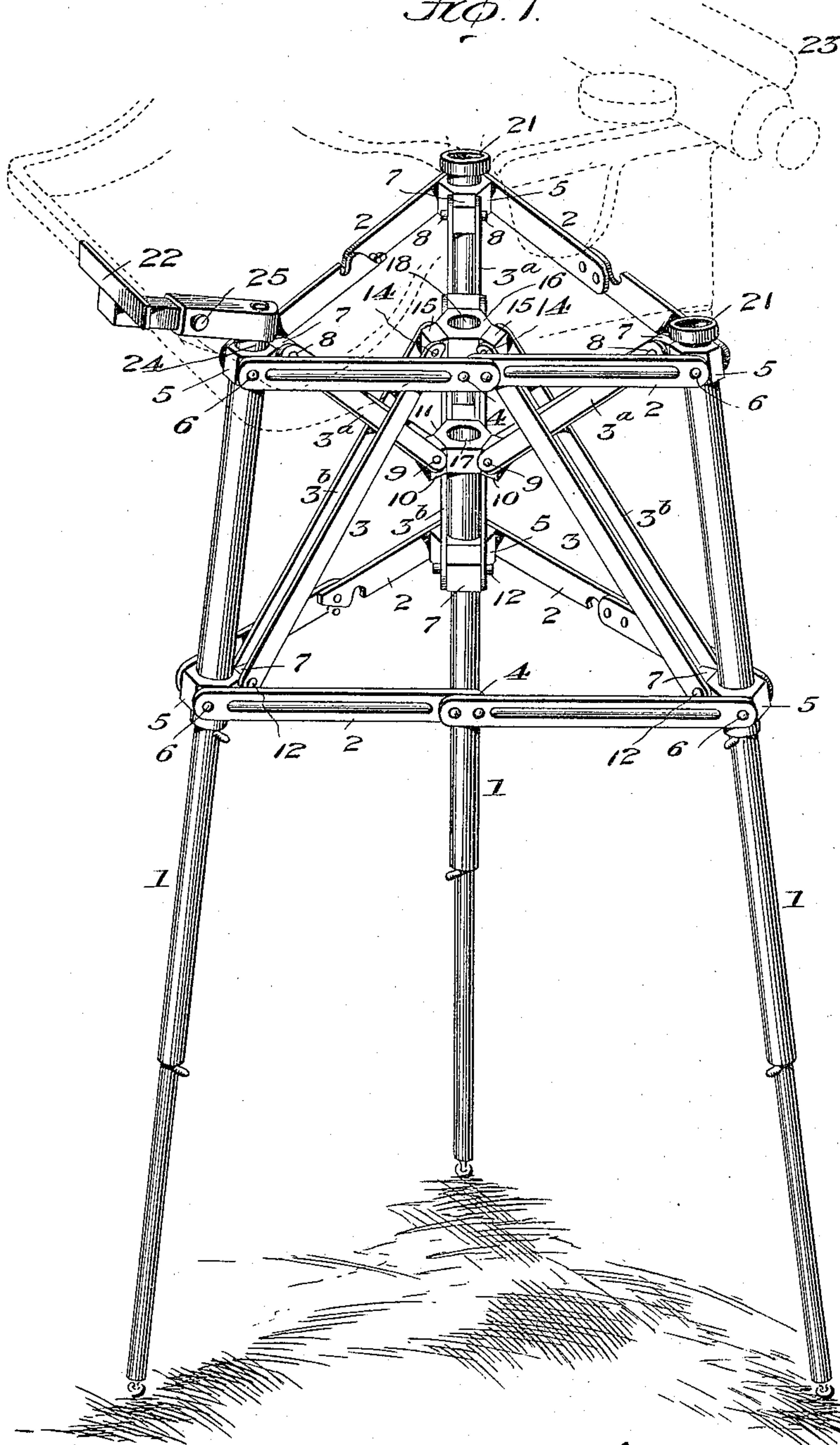
H. A. STONE.  
FOLDING TABLE.  
APPLICATION FILED MAR. 28, 1913.

1,166,865.

Patented Jan. 4, 1916.

3 SHEETS—SHEET 1.

Fig. 1.



Witnesses

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J. V. Lockwood

Inventor

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By

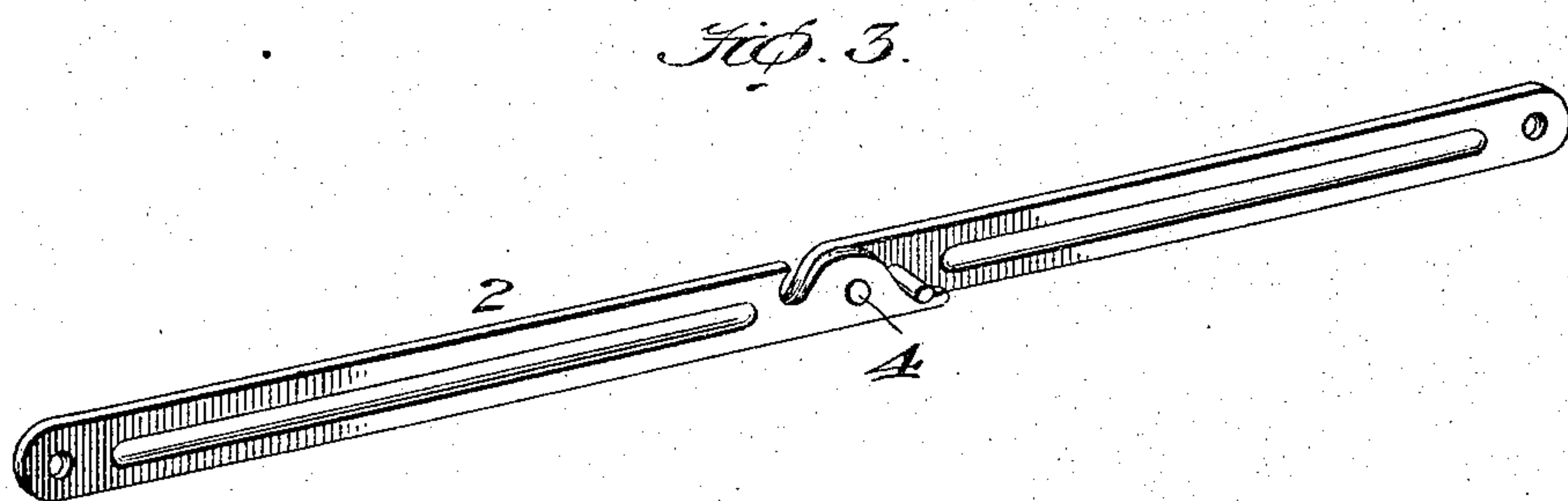
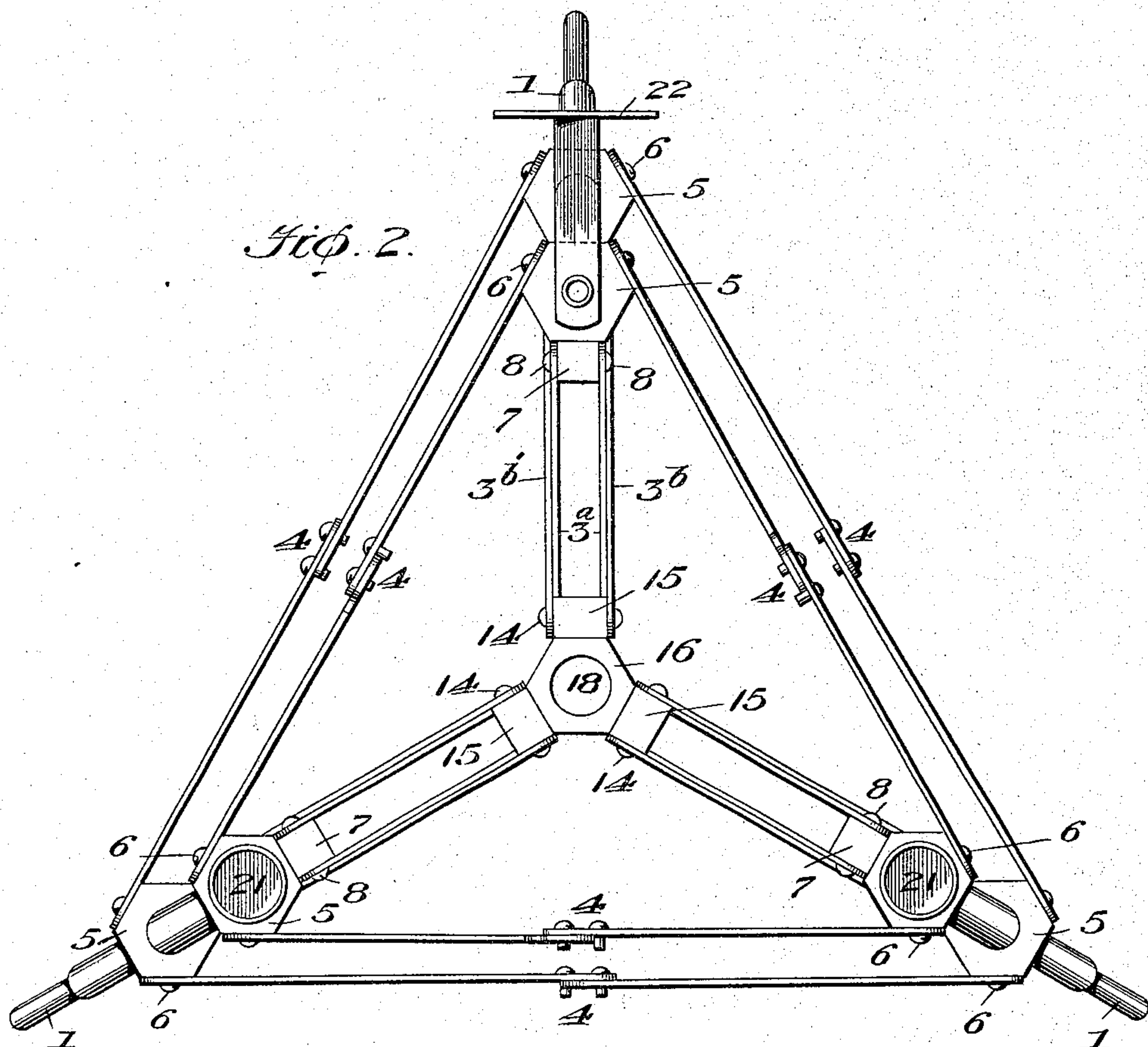
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3 SHEETS—SHEET 2.



Witnesses

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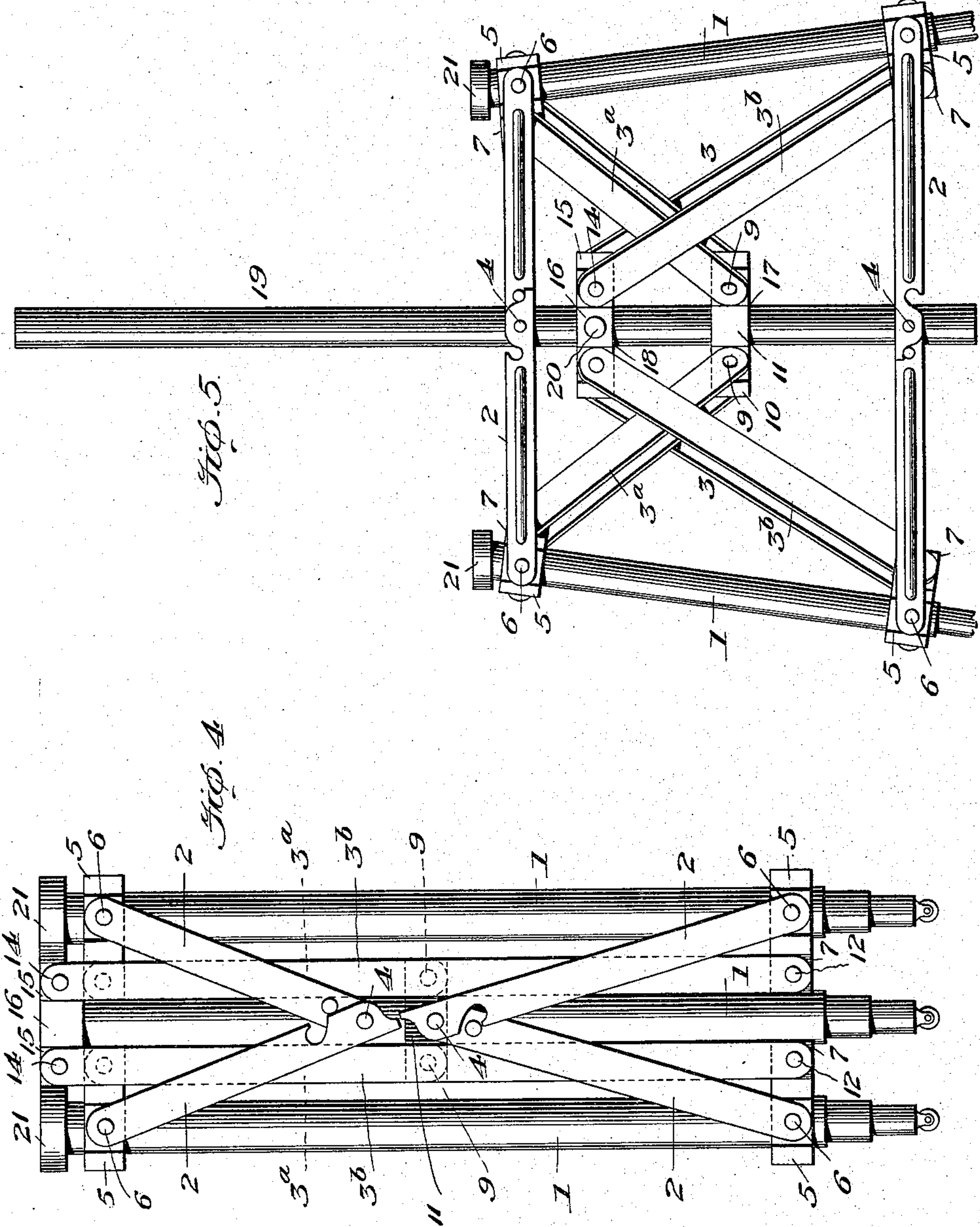


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Witnesses

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# UNITED STATES PATENT OFFICE.

HARRY A. STONE, OF NEW YORK, N. Y.

## FOLDING TABLE.

1,166,865.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed March 28, 1913. Serial No. 757,310.

*To all whom it may concern:*

Be it known that I, HARRY A. STONE, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented certain new and useful Improvements in Folding Tables, of which the following is a specification.

This invention relates to folding tables.

My object is to provide a portable table, particularly adapted to support a typewriter, which will be of simple, light, strong, durable and inexpensive construction, having foldable or collapsible legs and connecting internal and external braces combined with each other and with the legs in an improved manner and arranged and adapted for folding into compact condition, or, adapted to be opened out for use, both operations being capable of quick and easy accomplishment.

Another object is to entirely dispense with a table top and to provide on the legs means for directly supporting a typewriter or other object whereby the typewriter, when thus supported, serves as a table top and braces the foldable legs.

A further object is to provide in a folding table, improved means adapted for engaging a typewriter or other object adapted to be sustained by said table.

The invention consists, first, in a table embodying an improved combination of foldable legs and foldable braces connecting the legs; second, in the provision of an improved foldable table comprising collapsible legs, braces and means for directly supporting on the legs a typewriter or other object; third, in the complete table embodying the foregoing features, as set forth hereinafter.

In the accompanying drawings: Figure 1 is a perspective of the table when in extended condition, dotted lines representing a typewriter supported thereby; Fig. 2, a plan view of the table when in extended condition; Fig. 3, a detail perspective of one of the external braces; Fig. 4, a side view of the table when in folded condition; and Fig. 5, a side elevation, partly broken away, showing the standard in position.

The legs 1 may be of any usual or preferred construction, but are preferably made in telescopic sections, and in the nature of a tripod, but no table top is provided, the legs being connected together by foldable external braces 2 and foldable internal braces 3.

The external braces 2 are jointed at 4 and are jointed or pivoted to heads 5 on the legs

at 6. The braces 2 are arranged in upper and lower sets, the lower ones being longer than the upper ones so that the spread of the legs 1 is greater below than above. Preferably, the external braces have their joints 4 adapted to "break" toward each other rather than in the same direction, although I do not limit myself to this exact arrangement. By breaking toward each other, the extreme length of the table, when collapsed, is less than if the joints broke in the same direction.

The heads 5 are provided with inwardly projecting lugs 7 whose sides are preferably flat. Pairs of upper internal flat braces 3<sup>a</sup> are pivoted to the upper lugs at 8 and converge downwardly and are pivoted at 9 to the lugs 10 of a head 11. The lower internal braces 3<sup>b</sup> are of the same construction as the upper braces and straddle them, preferably lying flat against said upper braces 3<sup>a</sup>. The lower braces 3<sup>b</sup> are pivoted at 12 to the sides of lugs 7 on the lower heads 5 and at their upper ends they are pivoted at 14 to the sides of lugs 15 on a head 16, said lower braces converging upwardly.

As shown in Figs. 2 and 5, the heads 11 and 16 may be provided with registering openings 17 and 18 and a central standard 19 fitted therein and secured thereto by a thumb-screw 20. The standard may have any suitable supporting means at its top, and when it is used it adapts the table to any ordinary use as such, but this standard is not essential to the present invention and may be removed when the table is employed to support a typewriter.

The internal braces 3<sup>a</sup> and 3<sup>b</sup> mutually interbrace each other, due to their crossed or overlapped and engaged relation and they very greatly strengthen the legs 1 and prevent any tendency of the latter to flex laterally. The external braces 2 prevent spreading of the legs, as well as folding thereof.

Surmounting and connected to two of the legs 1 are cups 21 adapted to receive two of the legs or feet of a typewriter. Pivotally connected to the remaining leg 1 is a support and clamp 22 adapted to engage the typewriter frame, as shown in Fig. 1, where the typewriter appears in dotted lines at 23. A convenient way of pivoting the clamp 22 consists of a stem 24 rotatably received in the upper end of the leg and held by a screw or pin in a groove in said stem which permits turning of the clamp without permitting accidental detachment thereof. One



of the pivot screws 6 may be employed for this purpose. The clamp is composed of relatively adjustable parts connected in any suitable manner by a thumb-screw 25 permitting the clamp to be lengthened or shortened so that it may be readily engaged with the frame of the typewriter.

To collapse the table, the joints of the braces 2 are broken, whereupon the legs 1 may be moved inwardly, the interlaced braces 3<sup>a</sup>, 3<sup>b</sup> sliding in relation to each other to permit this movement. The clamp may then be swung inwardly and the telescopic legs may be collapsed. To open the table, the legs are folded apart and the external braces 2 spread, the legs being then extended, whereupon the table is ready for use.

While my table may be made in any desired size, it is particularly intended for use as a low table for the support of a typewriter, particularly those of the light, portable type, at about the level of the knees of a person when sitting down and is intended to be moved from place to place in either collapsed or extended condition.

I am aware that the invention may be modified and I do not, therefore, restrict myself to the details of construction disclosed, unless particularly specified in the claims.

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

1. In a folding table, the combination of a plurality of relatively bodily shiftable legs, outer foldable braces directly connecting the legs together, and foldable upper and lower inner braces independent of the outer braces aforesaid, said upper and lower inner braces connecting the legs together and being circumscribed by the outer braces aforesaid, the inner braces being arranged, respectively, in upwardly and downwardly converging relation and forming independent skeleton pyramidal trusses.

2. In a folding table, the combination of a plurality of relatively bodily shiftable legs, outer foldable braces directly connecting the legs together, downwardly extending braces pivoted to the legs and to each other, and forming a skeleton pyramidal truss, upwardly extending braces pivoted to the legs and to each other, and forming a skeleton pyramidal truss, the downwardly extending braces being arranged to cooperate with the upwardly extending braces, whereby said sets of braces interbrace each other, said downwardly extending and upwardly extending braces being circumscribed by the outer braces aforesaid.

3. In a folding table, the combination

with upright foldable legs, of downwardly extending braces arranged in pairs which are pivoted to the legs and to each other, and upwardly extending braces arranged in pairs which are pivoted to the legs and to each other, the pairs of upwardly and downwardly extending braces straddling and bearing against each other, whereby they are interbraced.

4. In a folding table, the combination of foldable legs, a set of downwardly extending braces pivoted to the legs, a head to which said braces are pivoted, a set of upwardly extending braces pivoted to the aforesaid legs, a head to which said braces last-named are pivoted, the respective heads aforesaid being arranged one above the other, and a standard extending through said heads.

5. In a folding table, the combination of foldable legs, a set of downwardly extending braces pivoted to the legs, a head to which said braces are pivoted, a set of upwardly extending braces pivoted to the aforesaid legs, a head to which said braces last-named are pivoted, the respective heads aforesaid being arranged one above the other, a standard extending adjustably and detachably through said heads, and means for securing the standard to one of the heads.

6. In a folding table, the combination of three relatively bodily shiftable supporting legs adapted to fold together alongside each other, foldable braces connecting the legs together and adapted for holding them in spread arrangement, typewriter or the like foot engaging and retaining cups on the upper ends of two of said legs, and a device on the upper end of the remaining leg adapted for engaging the frame of a typewriter or the like, the legs being braced at their tops by engagement with the typewriter or the like when the latter is supported by the legs above their upper ends, said cups and device being adapted to prevent displacement of the typewriter or the like.

7. In a folding table, the combination of three relatively bodily shiftable supporting legs, braces connecting the legs, typewriter foot-engaging cups on two of said legs, and a clamp pivotally connected to the remaining leg and adapted to engage the frame of the typewriter, the legs being braced at their tops by engagement with the typewriter when the latter is supported thereby.

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

HARRY A. STONE.

Witnesses:

REBECCA H. MARKS,  
Miss L. H. OLIVER.