H. A. STONE.

FOLDING TABLE.

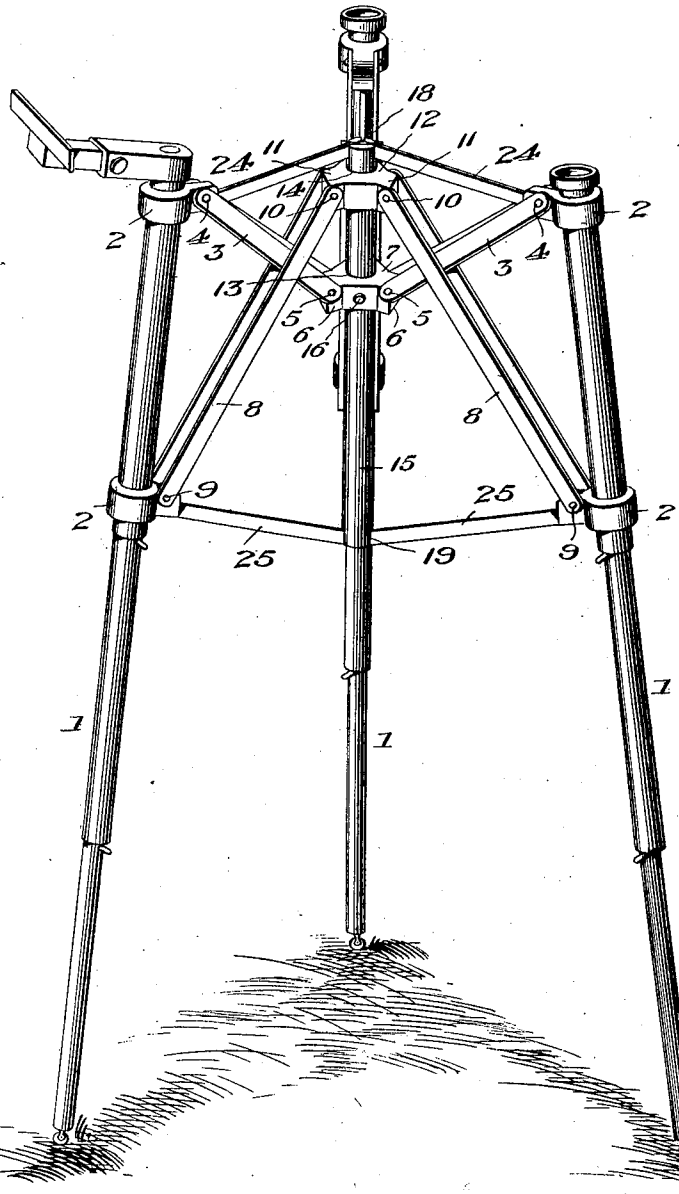
APPLICATION FILED MAY 10, 1913.

1,094,033.

Patented Apr. 21, 1914.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

S. V. Lockwood

Inventor

Harry A. Stone

By Geo. N. Hamilton

His Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

Fig. 2.

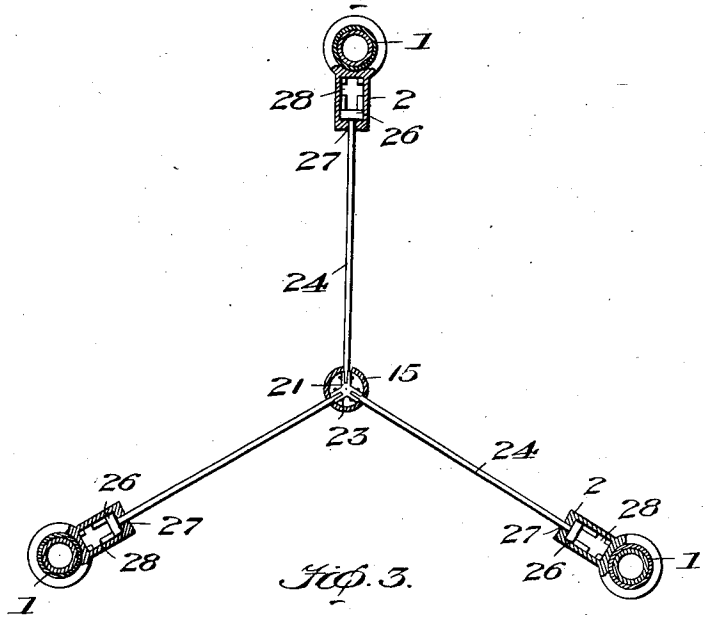


Fig. 3.

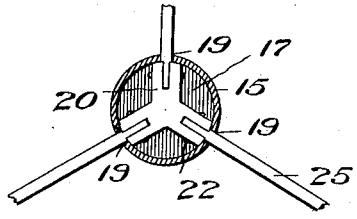


Fig. 4.

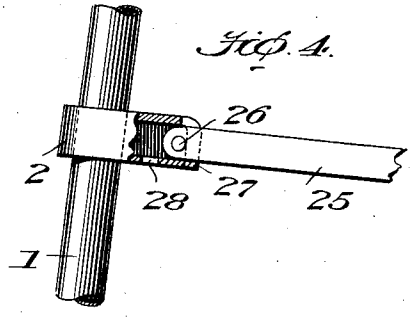
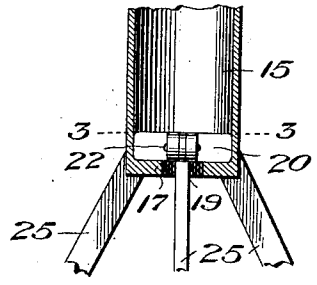


Fig. 5.



Witnesses

L. V. Lockwood

Inventor

Harry A. Stone

By Geo. W. Hamlin

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HARRY A. STONE, OF NEW YORK, N. Y., ASSIGNOR TO FOLDING-STAND COMPANY, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

FOLDING TABLE.

1,094,033. Specification of Letters Patent. Patented Apr. 21, 1914.

Application filed May 10, 1913. Serial No. 766,797.

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 relatively bodily movable foldable or collapsible legs adapted to support on their upper ends the typewriter, and combined in an improved manner with crossed internal floating braces and with swinging detachable braces arranged to collapse in an improved manner and adapted for folding, with the legs, into compact condition or, to be opened out for use, and when in extended condition to afford great strength and rigidity.

The invention consists, first, in the combination of foldable legs and foldable crossed internal floating braces, of supplemental internal braces adapted to prevent movement of the legs and floating braces when the table is in extended condition; second, in the combination with foldable legs, of internal floating braces, a central stem or standard, and supplemental braces slidably mounted in relation to the stem or standard and detachably connected with the legs; third, in the combination of foldable legs, crossed internal foldable floating braces therefor, a central tubular stem or standard for said braces and sets of supplemental foldable braces adapted to detachably connect to the legs and to both fold and telescope into the upper and lower ends of the stem or standard to enable the table to be collapsed or folded; fourth, in the complete table embodying all of the foregoing features.

In the accompanying drawings: Figure 1 is a perspective of the table in condition for use; Fig. 2, a horizontal section showing the detachable connections for the supplemental braces; Fig. 3, a section on line 3—3, Fig. 5; Fig. 4, a detail view, partly in section, showing the detachable connection for one of the supplemental braces; and Fig. 5, a vertical section through the lower end of the stem or standard.

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, no table top being provided. The legs are provided with upper and lower slotted heads 2. Pairs of upper internal flat braces 3 are pivoted to the upper heads at 4 and converge downwardly and are pivoted at 5 to lugs 6 of a head 7. The lower internal braces 8 are of the same construction as the upper braces and straddle them, preferably lying flat against said upper braces. The lower braces are pivoted at 9 to the lower heads 2 and at their upper ends they are pivoted at 10 to the sides of lugs 11 on a head 12. The heads 7 and 12 are provided with registering openings 13 and 14. A central tubular stem or standard 15 is fitted in said openings and is secured to one of the heads by a thumb-screw 16. The stem or standard 15 is provided at its opposite ends with internal flanges 17 and 18 has slots 19.

Slidably mounted in the stem or standard 15 are armed connectors 20 and 21 to the arms of which are pivoted at 22-and 23, respectively, the supplemental braces of the upper and lower sets 24 and 25, said braces having at their free ends cross heads 26 adapted to be received in the slots 27 of the heads 2 in a detachable manner. The outer ends of the heads 2 being closed and there being provided entry openings 28, the cross heads 26 can be passed into the entry openings 28 and said heads 26 will then prevent the accidental detachment of the respective braces 24 and 25 from the heads 2.

It will be observed that the upper supplemental braces 24 form, in connection with the upper main braces 3, a truss, affording great strength and rigidity to the table and that the same effect is provided by the combination of the lower supplemental braces 25 with the lower main braces 8. When the supplemental braces 24 and 25 are in extended condition, and engaged with the heads 2, the respective armed connectors 20 and 21 abut the flanges 17 and 18 on the stem or standard 15, the braces 24 and 25 extending through the slots 19, thus securely anchoring them. When the table is to be collapsed, the cross heads 26 are disengaged

from the heads 2 and the supplemental braces 24 and 25 are then folded and telescoped within the tubular stem or standard 15; the main braces 3 and 8 having been collapsed, the legs 1 collapse against them and the entire table is thus brought to a compact folded condition. In opening the table, the legs 1 are pulled apart and the supplemental braces 24 and 25 drawn out and the cross heads 26 engaged with the heads 2.

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 foldable legs, jointed internal braces jointed to the legs, a central stem or standard engaged with the braces aforesaid, and supplemental braces engaged with the stem or standard and detachably engaged with the legs.

2. In a folding table, the combination of foldable legs, jointed internal braces jointed to the legs, a central stem or standard engaged with the braces aforesaid, and supplemental foldable braces slidably engaged with the stem or standard and detachably engaged with the legs.

3. In a folding table, the combination with foldable legs, of crossed internal floating jointed braces jointed to the legs, a central stem or standard engaged with the said braces, and sets of supplemental braces engaged with the opposite ends of the stem or standard and with the legs.

4. In a folding table, the combination with foldable legs, of crossed internal floating jointed braces jointed to the legs, a central stem or standard engaged with the said braces, and sets of supplemental foldable braces slidably engaged with opposite ends of the stem or standard and detachably engaged with the legs.

5. In a folding table, the combination with foldable legs, of crossed upper and lower internal floating jointed braces jointed to the legs, a tubular stem or standard engaged with the braces, connectors slidable in the stem and adapted to be positioned adjacent the ends thereof, and sets of supplemental foldable braces jointed to the connectors and detachably engaged with the legs, said foldable braces being adapted to telescope within the stem or standard when they are folded.

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

HARRY A. STONE.

Witnesses:
ISRAEL M. MARKS,
L. H. OLIVER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."