

(No Model.)

G. W. COMEE.
TABLE.

No. 598,077.

Patented Feb. 1, 1898.

Fig. 1.

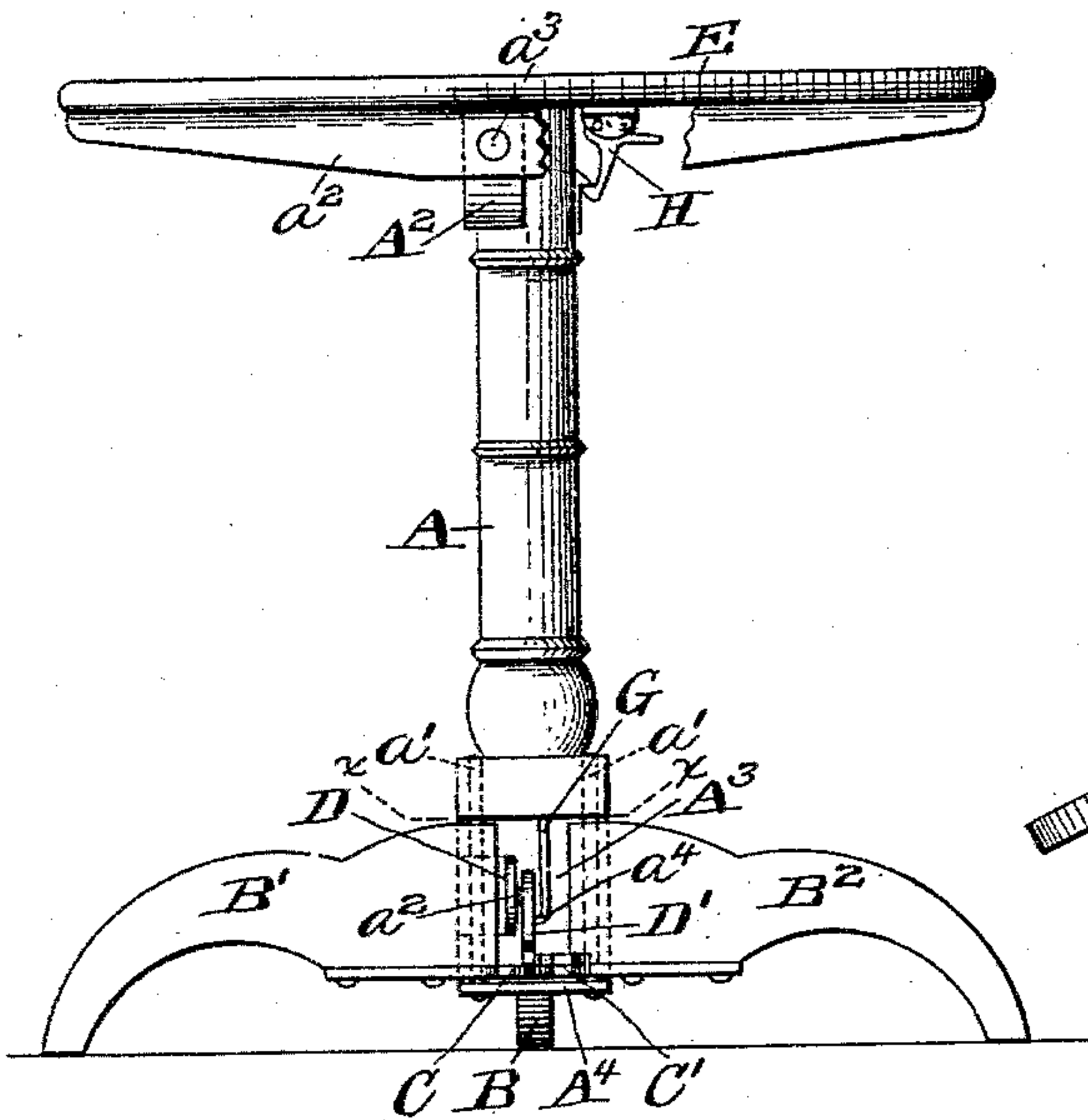


Fig. 3.

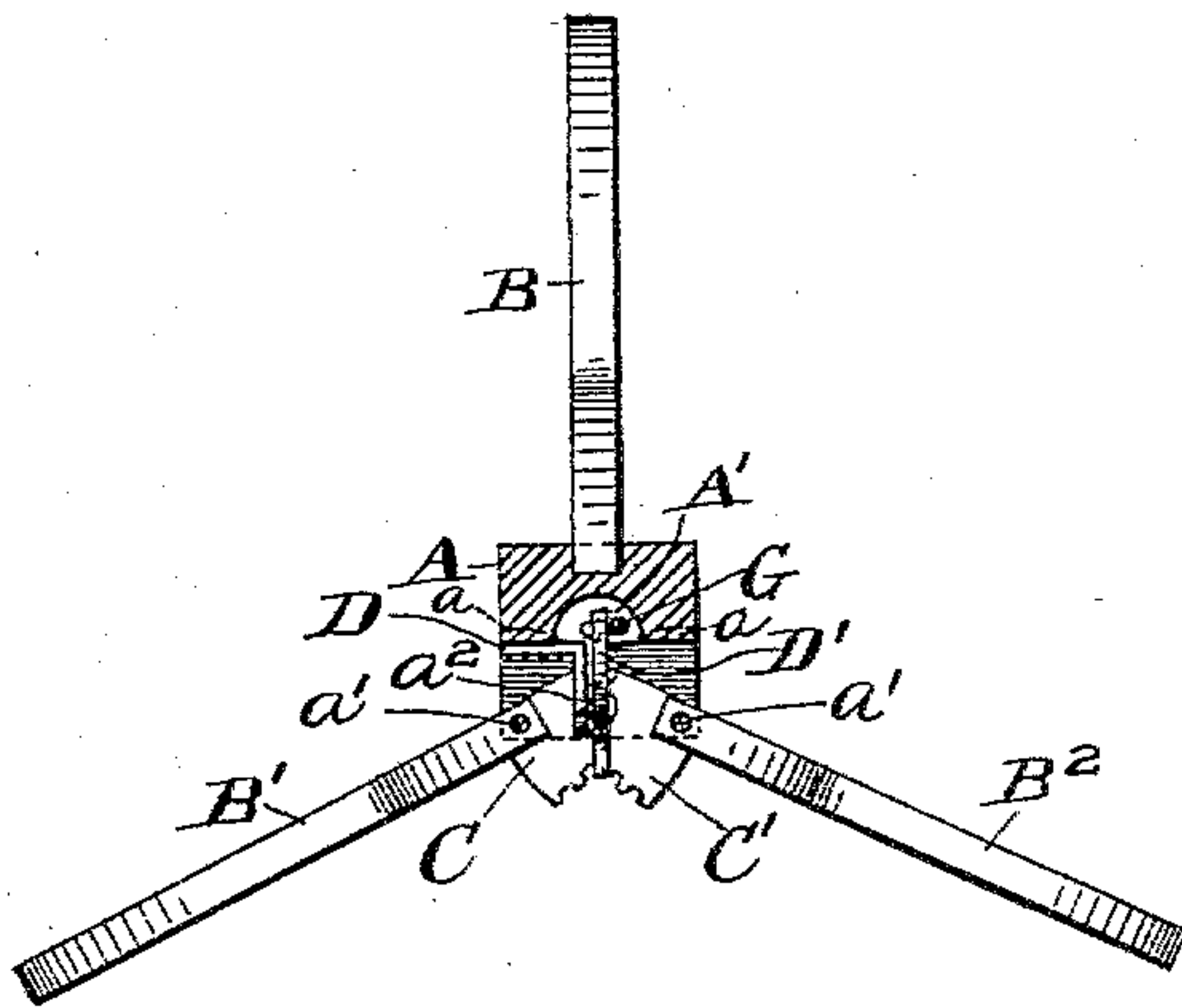


Fig. 2.

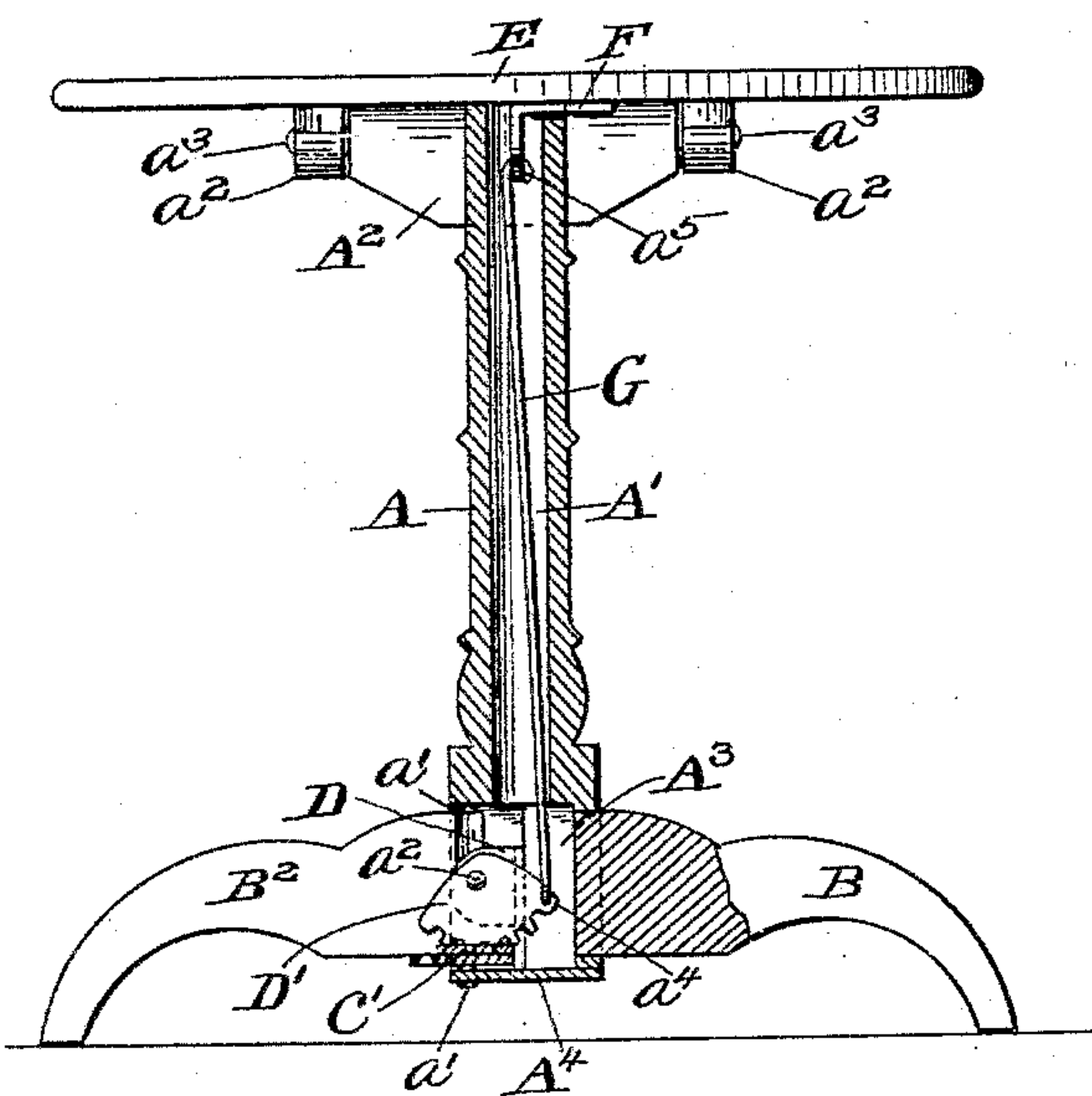
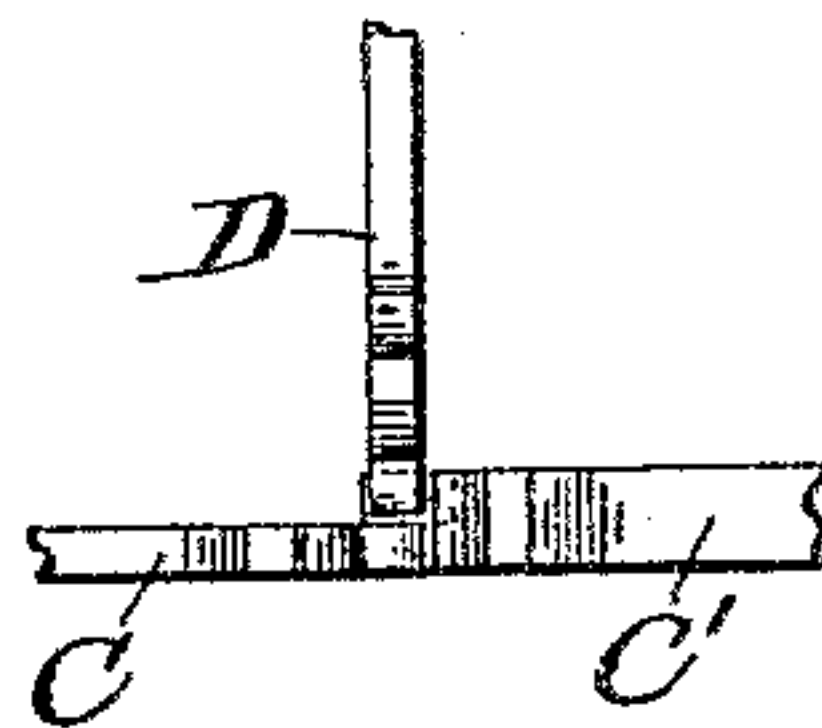


Fig. 4.



Witnesses

Franklin P. Wilson
Harry W. Wallis.

Inventor
George W. Comee
by Blackwood Bros.
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE W. COMEE, OF WASECA, MINNESOTA.

TABLE.

SPECIFICATION forming part of Letters Patent No. 598,077, dated February 1, 1898.

Application filed May 26, 1897. Serial No. 638,178. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. COMEE, a citizen of the United States, residing at Waseca, in the county of Waseca and State of Minnesota, have invented certain new and useful Improvements in 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 an improvement in tables, and has for its object to provide a table the top and legs of which are capable of being automatically folded so as to occupy very little space when not in use, and also for convenience in shipping.

My invention consists in providing a table having the parts thereof so arranged as to cause the movable legs of the same to be automatically folded or opened by turning the top thereof into a horizontal or vertical position, respectively.

My invention further consists in the construction, combination, and arrangement of the several parts comprising the same, as more fully hereinafter described in the specification and pointed out in the claims.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation; Fig. 2, a central vertical section; Fig. 3, a horizontal section on the line $x x$ of Fig. 1, and Fig. 4 a detail.

In the specification and drawings, in which like letters of reference indicate corresponding parts, A designates the standard of the table, which is centrally bored out or otherwise formed into a chamber A' , provided at its upper end with a cross-piece or bracket A^2 , and its lower end cut away to form a large recess A^3 , having small recesses $a a$ therein, and provided with a plate A^4 on the bottom thereof.

B is the stationary leg, rigidly secured to the lower portion of the standard A, and B' B^2 the movable legs, pivotally attached by pins $a' a'$ also to said lower portion.

C C' are two toothed intermeshing sectors, screwed or otherwise attached to the under side of the inner ends of the movable legs B' B^2 , respectively, the teeth of sector C' being

thicker or greater in height than those of the sector C.

D is a bracket secured in the recess A^3 at the lower portion of the standard, and D' a toothed sector vertically pivoted to the bracket D at a^2 , the teeth of which intermesh with the upper portion of the teeth of the sector C' .

E is the top of the table, provided with braces $a^2 a^2$ on its under side pivoted to turn on pins $a^3 a^3$ in the ends of the cross-piece A^2 .

F is a bracket screwed or otherwise secured to the under side of the top E of the table.

G is a vertical rod located in the hollow chamber of the standard, the lower end of which is pivoted to the sector D' at a^4 and the upper end pivoted to the bracket F at a^5 .

H is a spring-catch for holding the top of the table in a horizontal position, one part of said catch being attached to the under side of the top of the table and the other part to the upper portion of the standard.

It being assumed that the table is in its closed or folded position and it is desired for use, the lower edge of the top is grasped by the hand and raised to a horizontal position, and by reason of the rod which connects the top of the table with the toothed sector D' , the teeth of which mesh with the upper portion of the teeth of the horizontal sector C' , which in turn mesh with the teeth of sector C, the movable legs of the table are automatically opened and the spring-catch on the under side of the table-top holds said top securely in a horizontal position and at the same time prevents the movable legs by means of the rod from accidentally closing up. When it is desired to fold or close the table up, it is only necessary to disengage the spring-catch and swing the top of the table downward, when the movable legs of the same will be automatically closed.

Although I have shown my invention as applied to a round center table, it may be applied to any shape, size, or kind of table, and the construction may be varied somewhat without departing from the spirit of my invention.

What I claim is—

1. A folding table, consisting of a standard having a table-top pivoted at the upper end, and legs pivoted at its lower end, means for

connecting the legs to communicate motion from one to the other, and a rod one end pivoted to the table-top, and the other end connected to the legs by suitable means, whereby when the table-top is turned down or up the legs will be automatically closed or opened laterally, substantially as described.

2. A folding table, consisting of a hollow standard having a table-top pivoted at its upper end, and legs pivoted at its lower end, and a rod located therein one end pivoted to the table-top, and the other end connected to the legs by suitable means, whereby when the table-top is turned down or up the legs will be automatically closed or opened laterally in a horizontal plane, substantially as described.

3. A folding table consisting of a hollow standard having a table-top pivoted at the upper end, and legs pivoted at the lower end carrying intermeshing toothed sectors, a toothed sector carried by the standard intermeshing with one of the sectors carried by the legs, and a rod located in said standard connecting the table-top with the sector carried by the standard substantially as described.

4. A folding table, consisting of a hollow standard having a top pivoted at the upper end, and legs pivoted at the lower end having intermeshing toothed sectors, one of said sectors being of a greater thickness than the other, a toothed sector carried by the stand-

ard intermeshing with the upper part of the thickened sector carried by one of the legs, and a rod located in said standard connecting the table-top with the sector carried by the standard, substantially as described.

5. A table provided with hinged or pivoted folding legs, each provided with a toothed sector, said sectors adapted to intermesh, and thereby simultaneously operate the legs in opening and closing the same, and means for locking the said legs in an open position, substantially as described.

6. A folding table consisting of a standard having a table-top pivoted at the upper end, and legs pivoted at the lower end, means for connecting the legs to communicate motion from one to the other, a rod one end pivoted to the table-top, and the other end connected to the legs by suitable means whereby when the table-top is turned down or up the legs will be automatically closed or opened laterally, and means for locking the table-top and legs in an open position, substantially as described.

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

GEORGE W. COMEE.

Witnesses:

E. B. COLLESTER,

O. D. SAWIN.