

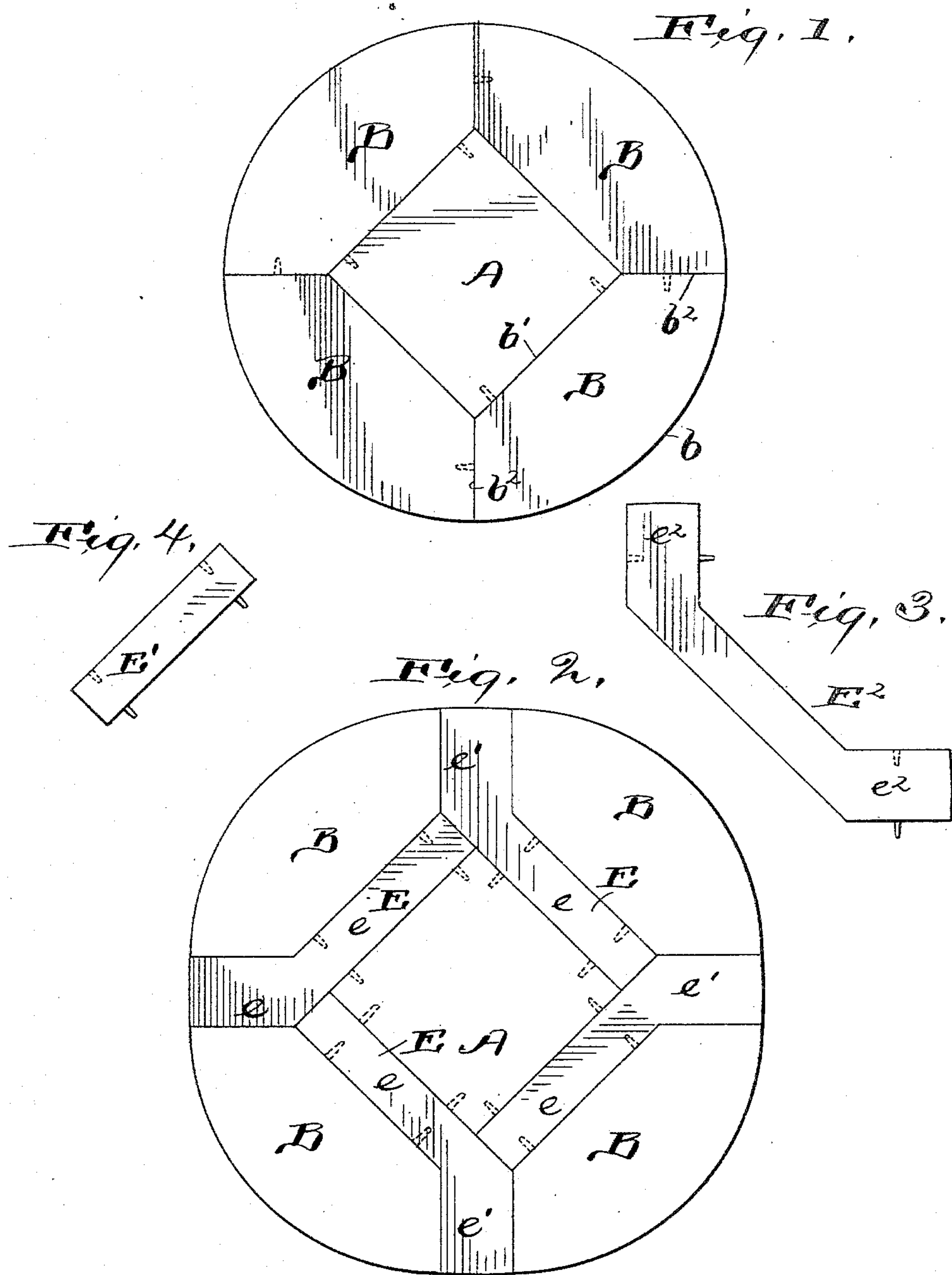
(No Model.)

2 Sheets—Sheet 1.

M. E. JOHNSTON.  
EXTENSION TABLE.

No. 597,500.

Patented Jan. 18, 1898.



Witnesses,  
E. B. Gilchrist  
H. M. Hutchison.

Inventor:  
Mary E. Johnston,  
By her attorneys,  
Thurston & Bates.

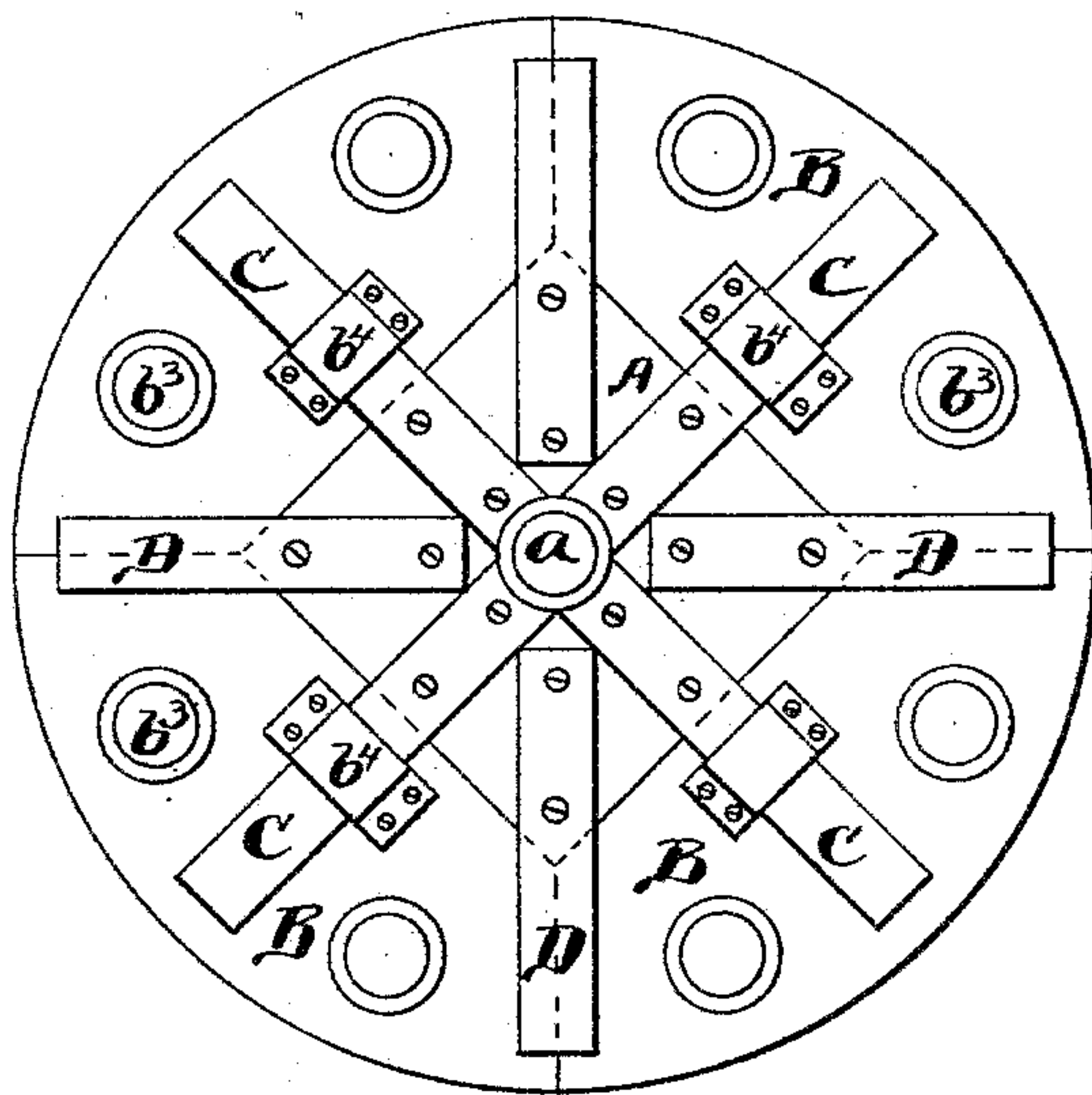
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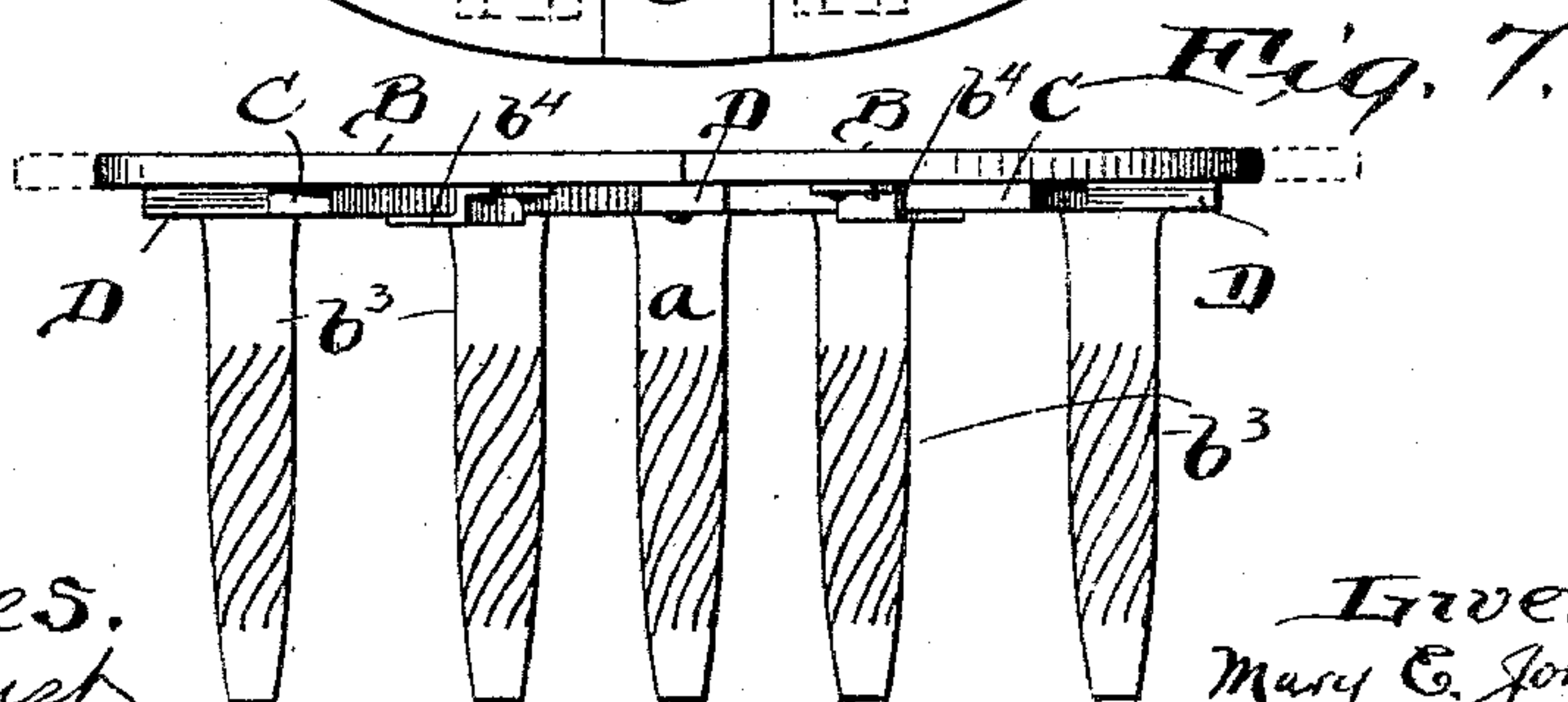
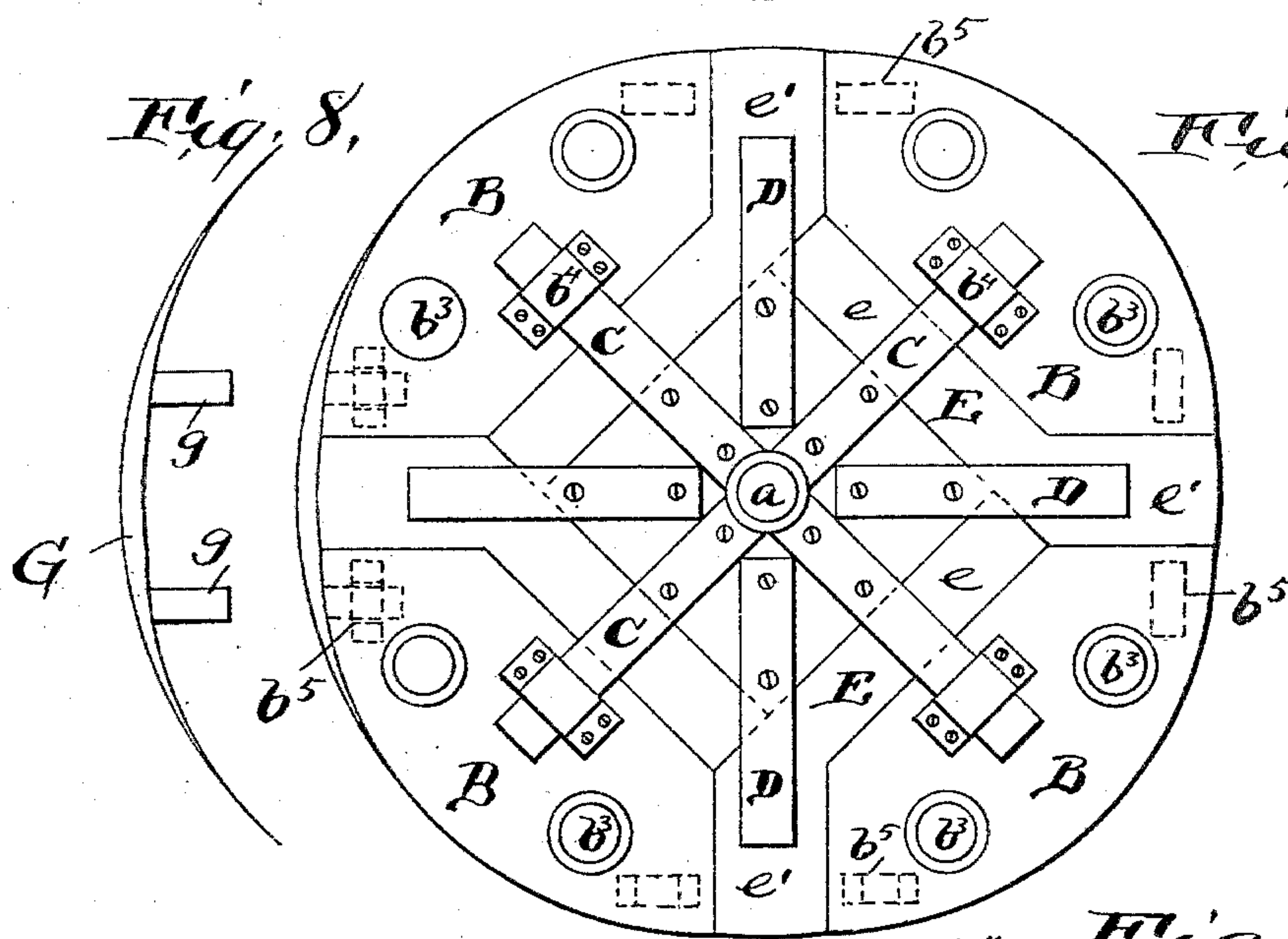
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*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

MARY E. JOHNSTON, OF CLEVELAND, OHIO.

## EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 597,500, dated January 18, 1898.

Application filed May 14, 1897. Serial No. 636,437. (No model.)

*To all whom it may concern:*

Be it known that I, MARY E. JOHNSTON, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Extension-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.

The invention relates to a round extension-table which may be extended from its normal diameter in all directions to one or more given larger diameters.

The invention consists in the construction and combinations of parts hereinafter described and claimed.

In the drawings, Figure 1 is a plan view of the table in its normal or closed condition. Fig. 2 is a plan view thereof when extended. Figs. 3 and 4 are plan views of modified forms of the leaves. Fig. 5 is a bottom plan view of the closed table. Fig. 6 is a bottom plan view of the extended table. Fig. 7 is a front elevation of the table, and Fig. 8 is a plan view of an outside leaf which may be added to restore the circular contour of the table when it is extended.

Referring to the parts by letters, A represents the fixed central part of the table-top, which part is square. It is secured to and supported by a leg or legs *a*. The outer part of the table-top is made up of four sections B, each of which has four sides—viz., an outer side *b*, which is in the form of a circular arc of ninety degrees, an inner side *b'*, which is straight and parallel to the chord of said ninety-degree arc and is equal in length to the length of one side of the fixed top, and two ends *b<sup>2</sup>*, which are radial with respect to said circular arc. Each of these outer sections is secured upon and supported by a leg or legs *b<sup>3</sup>*. Means of any suitable construction must be provided for guiding the outer sections B in their movements away from and toward the fixed top A. It is believed many of the extensible frames in common use in ordinary extension-tables may be used for this purpose. I have shown a simple, cheap, but practically-operative construction for this purpose, consisting of four bars C, which are secured to the under side of the top A and

extend outward beyond the sides thereof and at right angles thereto. On the under side of each movable section B is a plate *b<sup>4</sup>*, which incloses between itself and the section B a box or guideway, through which the corresponding bar C slides. The sections therefore as they move outward and inward are guided by these bars. When the table is closed, the inner sides *b'* contact with the sides of top A and the ends *b<sup>2</sup>* of adjacent sections B contact with each other, the result being a flat circular table-top. The meeting edges of the ends of said sections B are supported by the bars D, which are secured to the under side of top A and project out therefrom.

E E represent leaves shaped to fill up the space between the ends of sections B and between said sections and top A when the sections are drawn out. There are preferably four of these leaves, each consisting of a body part *e*, having parallel sides, and an angular end *e'*, having parallel sides which lie at angles of forty-five degrees to the sides of the body. The outer side of the body is as long as the side *b'* of sections B, while the inner side is the width of the body part longer than that. The body part of these leaves when in place lie between top A and the sections B and rest upon the bar C. The angular ends lie between the ends of sections B and rest upon bars D.

Instead of making the leaves alike, they may be made of two varieties—viz., two rectangular pieces *E' E'* (shown in Fig. 4) and two leaves *E<sup>2</sup> E<sup>2</sup>*, having angular extensions *e<sup>2</sup>* on both ends, as shown in Fig. 2, or the shape of these leaves may be otherwise varied so long as they altogether are capable of filling the spaces opened up by drawing the sections B outward.

It is clear that when the table is extended the top is no longer a perfect circle. The circular character of the top may be approximately restored by the crescent-shaped outside leaves G, which may be held in place after the table has been extended by means of the arms *g*, secured to said outer leaves, which pass through boxes *b<sup>5</sup>*, secured to the under sides of adjacent sections B.

Having described my invention, I claim—  
1. In an extension-table, in combination, a



square fixed center, its supporting-leg, four  
movable outer sections B each formed sub-  
stantially as described, their supporting-legs,  
a frame connecting said fixed center and mov-  
5 able sections and serving to guide the movable  
sections in paths at right angles to the re-  
spective sides of the fixed center, the bars D  
secured to the center A and extending hori-  
zontally therefrom under the meeting ends of  
10 the sections B, and the leaves adapted to fill  
the spaces opened up by the outward move-  
ments of said sections B, which leaves rest  
upon the guide-frame and the bars D, sub-  
stantially as specified.

15 2. In an extension-table, in combination, a  
fixed square center, four outer movable sec-

tions B shaped substantially as described, legs  
supporting said center and outer sections,  
guides for said outer sections which guide their  
movements in paths at right angles to the sides 20  
of the center, leaves adapted to fill the spaces  
opened by the outward movements of said  
outer sections, supports for said leaves, cres-  
cent-shaped outer leaves and means for secur-  
ing them to the extended table, substantially 25  
as specified.

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

MARY E. JOHNSTON.

Witnesses:

E. L. THURSTON,

ALBERT H. BATES.