C. Briggs,

Extension Table,

No. 4,185. Patented Sep. 9. 1845.

Fig. 2.

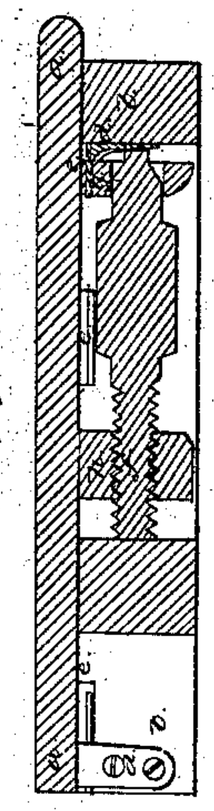


Fig. 3.

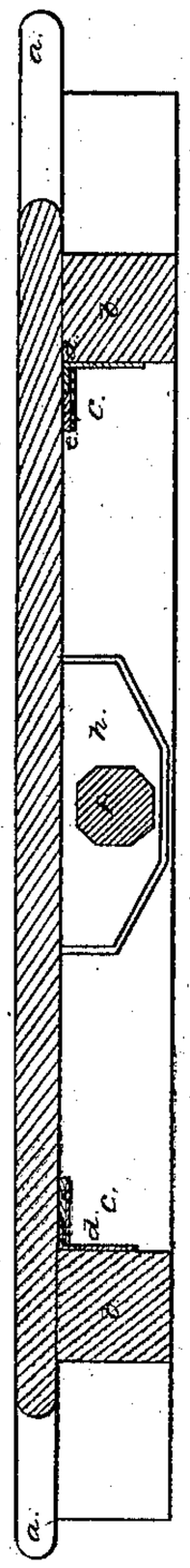
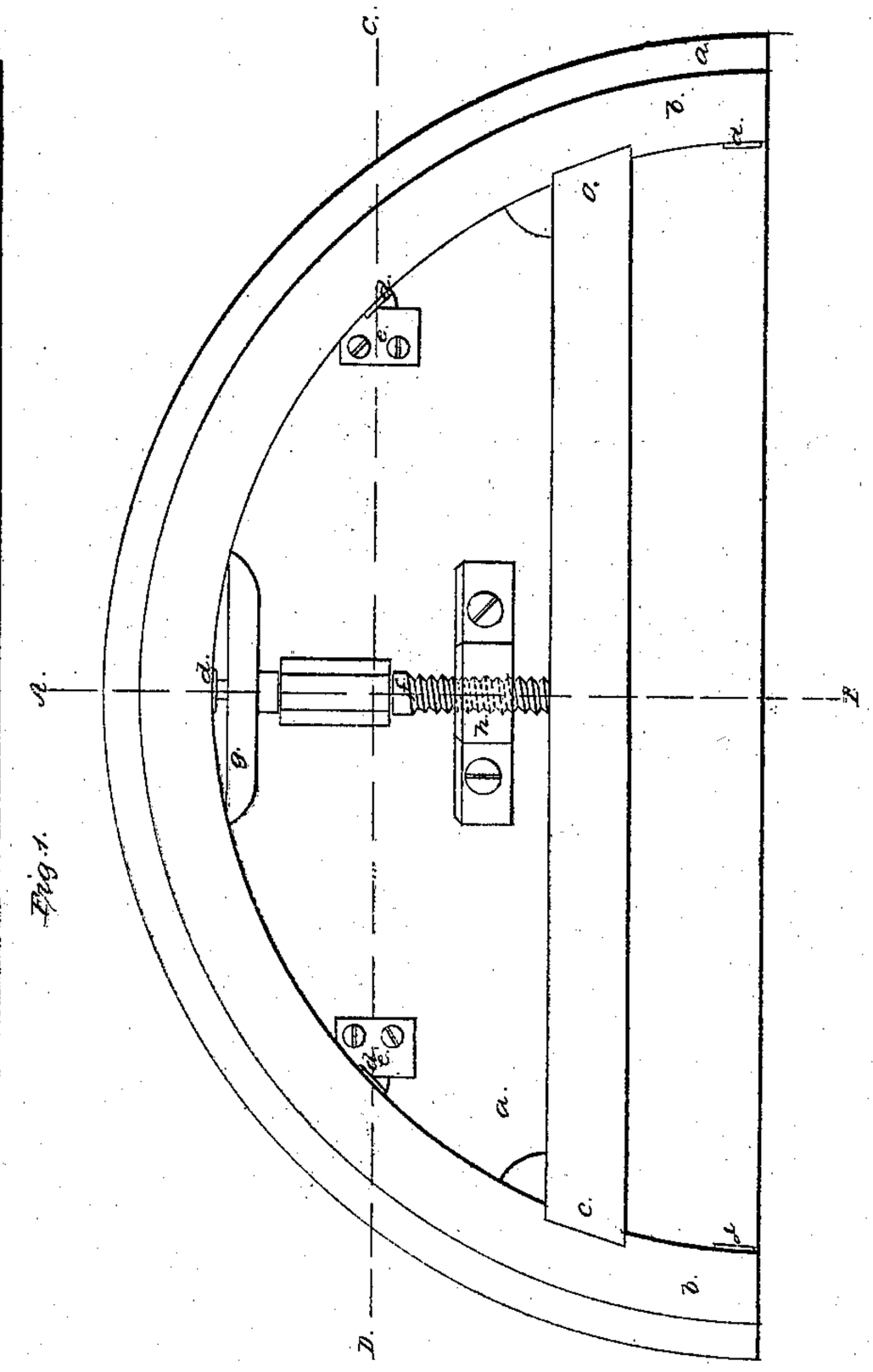


Fig. 1.



UNITED STATES PATENT OFFICE.

CORNELIUS BRIGGS, OF ROXBURY, MASSACHUSETTS.

EXTENSION-TABLE.

Specification of Letters Patent No. 4,185, dated September 9, 1845.

To all whom it may concern:

Be it known that I, CORNELIUS BRIGGS, of Roxbury, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in Extension-Tables, and that the following description, taken in connection with the accompanying drawings hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement by which my invention may be distinguished from others of a similar class, together with such part or combination as I claim and desire to have secured to me by Letters Patent.

The object of my improvement is to make a perfect joint where the two semi-circular parts of the top of the table come together. It is well known, that after completion, the said two parts of the table are apt to shrink, so as, when brought as near together as is possible by the present arrangement to leave a space between them, which diminishes the firmness of the article when used as a center table, and likewise essentially injures its appearance.

My improvement is effected by making one half of the top adjustable in a horizontal direction, so that by a simple mechanical contrivance it can be moved forward and back, to correct the defect in the table, arising from the shrinking above mentioned.

The figures of the accompanying plate of drawings represent my improvement.

Figure 1, is a plan of the underside of one of the semicircular parts of the table. Fig. 2 is a section of the same, taken in the plane of line A, B and Fig. 3, is a section taken in the plane of the line C D Fig. 1.

a a is the semi-circular half of the top of the table and *b b* the semicircular half of the supporting frame for the same, which has a suitable strengthening cross brace *c*, *c* as shown in the several figures. The top *a a* is supported on the frame *b b*, so as to be adjustable, as before suggested, by means of the several right angle tongues *d*, *d*, *d*, *d*, *d*, whose vertical arms are attached to the inside of the frame *b b*, while the horizontal ones engage with and slide in proper grooves formed in the metallic cleats *e*, *e*, *e*, *e*, *e*, which cleats are screwed to the underside of the top *a a* as shown in Figs. 1, 2, and 3. These tongues and grooved cleats are arranged at such points of the frame *b b* and top *a a*, as to cause said top *a a*, when moved for adjustment to retain its proper relative position on the frame, every part being equally moved. The top *a a*, projects some little distance over the frame *b b* as shown in Fig. 2. And the requisite adjustment of the top being usually but about $\frac{1}{8}$ of an inch, the relative position of the top and frame would always appear about the same. The horizontal adjustment of the top *a a* is effected by the following mechanical arrangement: A male screw *f* Figs. 1 and 2, arranged so as to turn but not to advance, is supported so as to turn easily in proper bearings in the cross brace *c c*, and bearing block *g* attached to the frame *b b* as shown in the drawings. This screw works in a corresponding female screw cut in the nut *h*, which nut is firmly secured to the underside of the semicircular top *a a*, as shown in Fig. 1.

From the above explanation it will appear that when the two parts of the top of the table shrink, so as not to come perfectly together, by the ordinary arrangement of extension tables, one part of the top may be moved up, so as to bear perfectly against the edge of the other, by merely turning the screw *f*, with the thumb and fingers as hereinbefore explained. If deemed necessary it will be evident that both parts of the top may be rendered adjustable, but it is presumed that such an arrangement will be superfluous.

Having thus described my improvement in "extension tables" I shall state my claim as follows;

What I claim as my invention and desire to have secured to me by Letters Patent is,

The making or arranging either semicircular part of the top of said table, so as to be capable of an horizontal adjustment, substantially as hereinabove described, and for the purpose set forth.

In testimony that the foregoing is a true description of my said invention and improvement I have hereto set my signature this twenty-ninth day of May in the year eighteen hundred and forty five.

CORNELIUS BRIGGS.

Witnesses:

CHAS. HASKINS,

EZRA LINCOLN, Jr.