2 Sheets--Sheet 1.

O. S. THAYER & W. H. BRITTON.

Extension Tables.

No. 152,257. Patented June 28, 1874.

Fig 1.

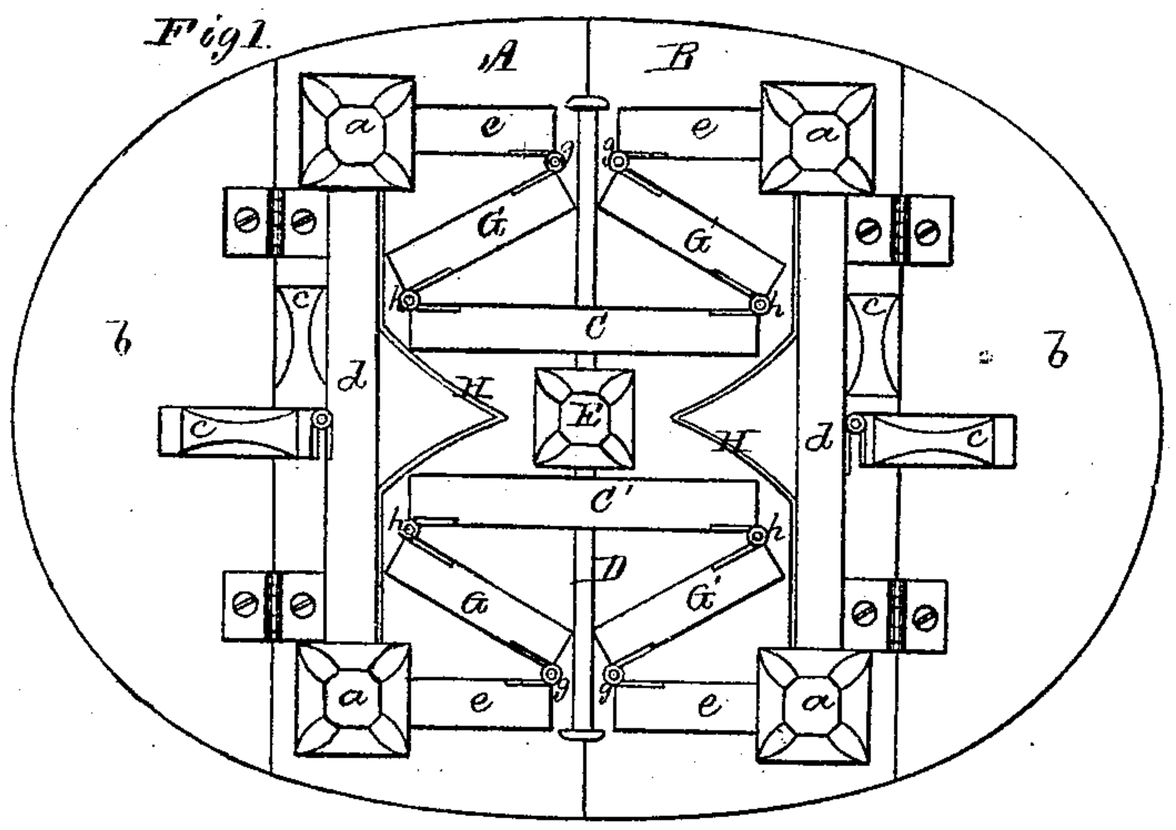


Fig 2.

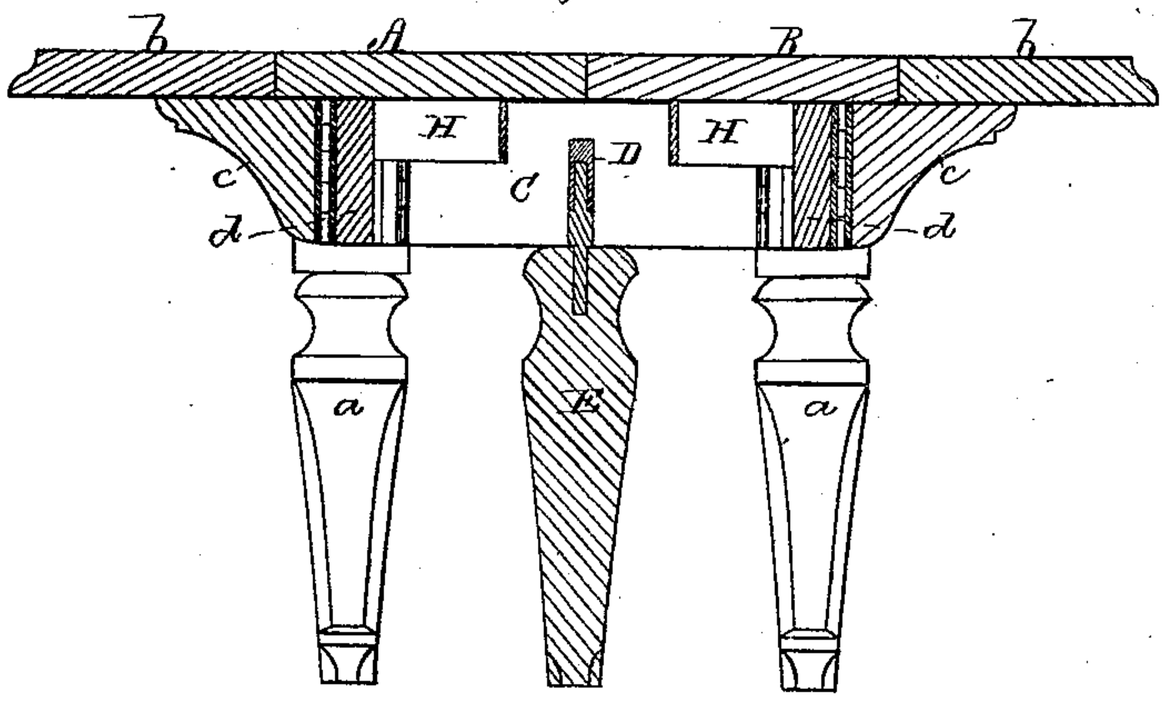
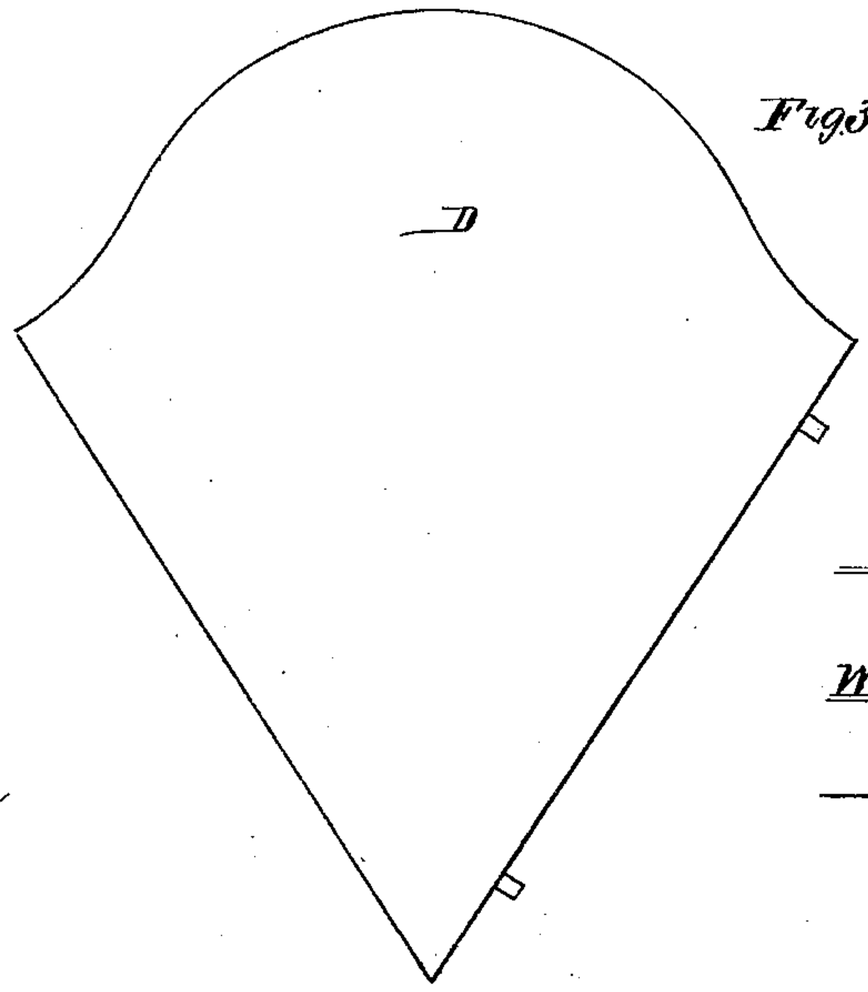


Fig 3.



Witnesses.

S. N. Piper

L. N. Möller.

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by their attorney.
R. H. Duell.

2 Sheets--Sheet 2.

O. S. THAYER & W. H. BRITTON.

Extension Tables.

No. 152,257. Patented June 23, 1874.

Fig. 1.

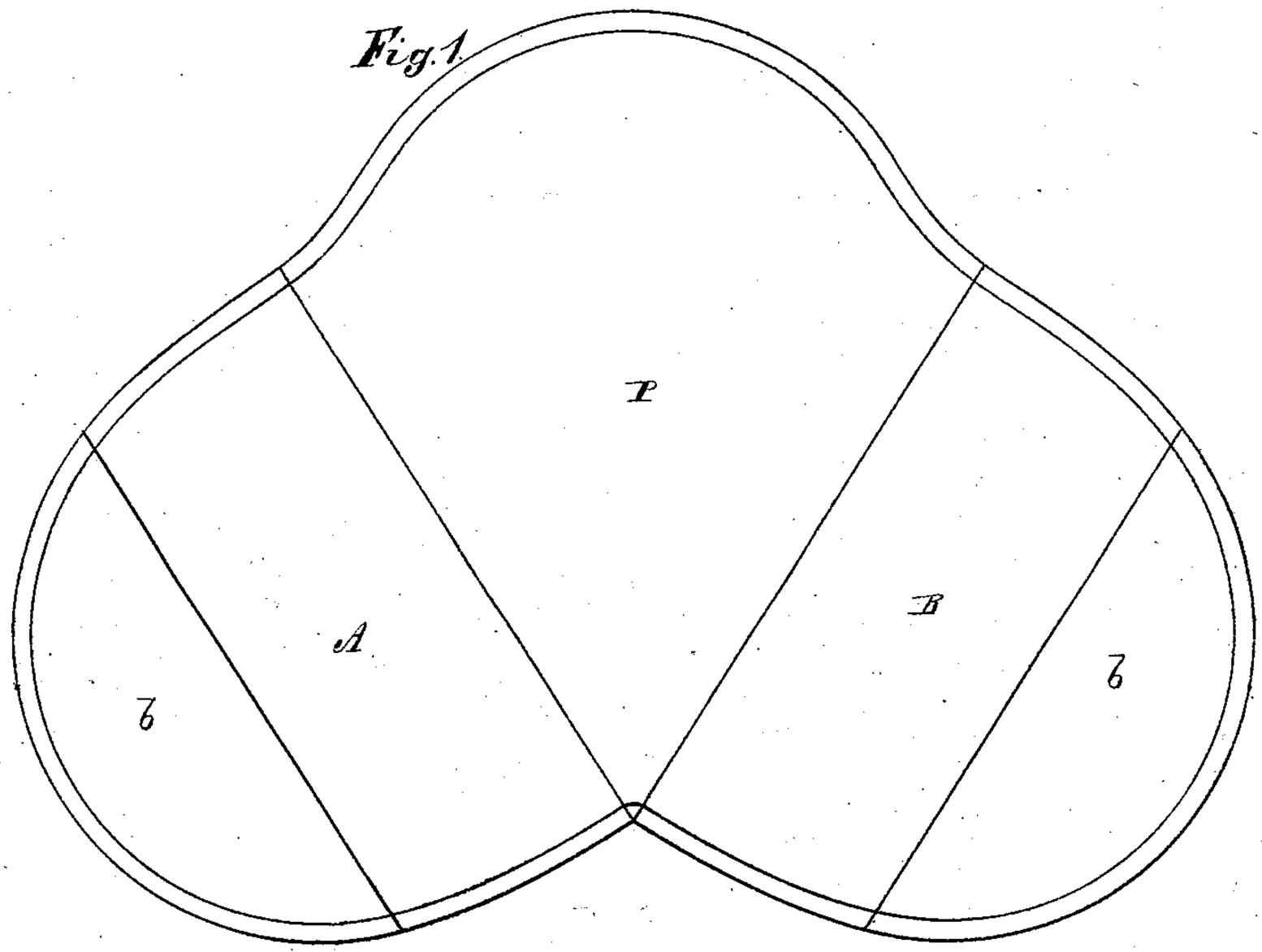
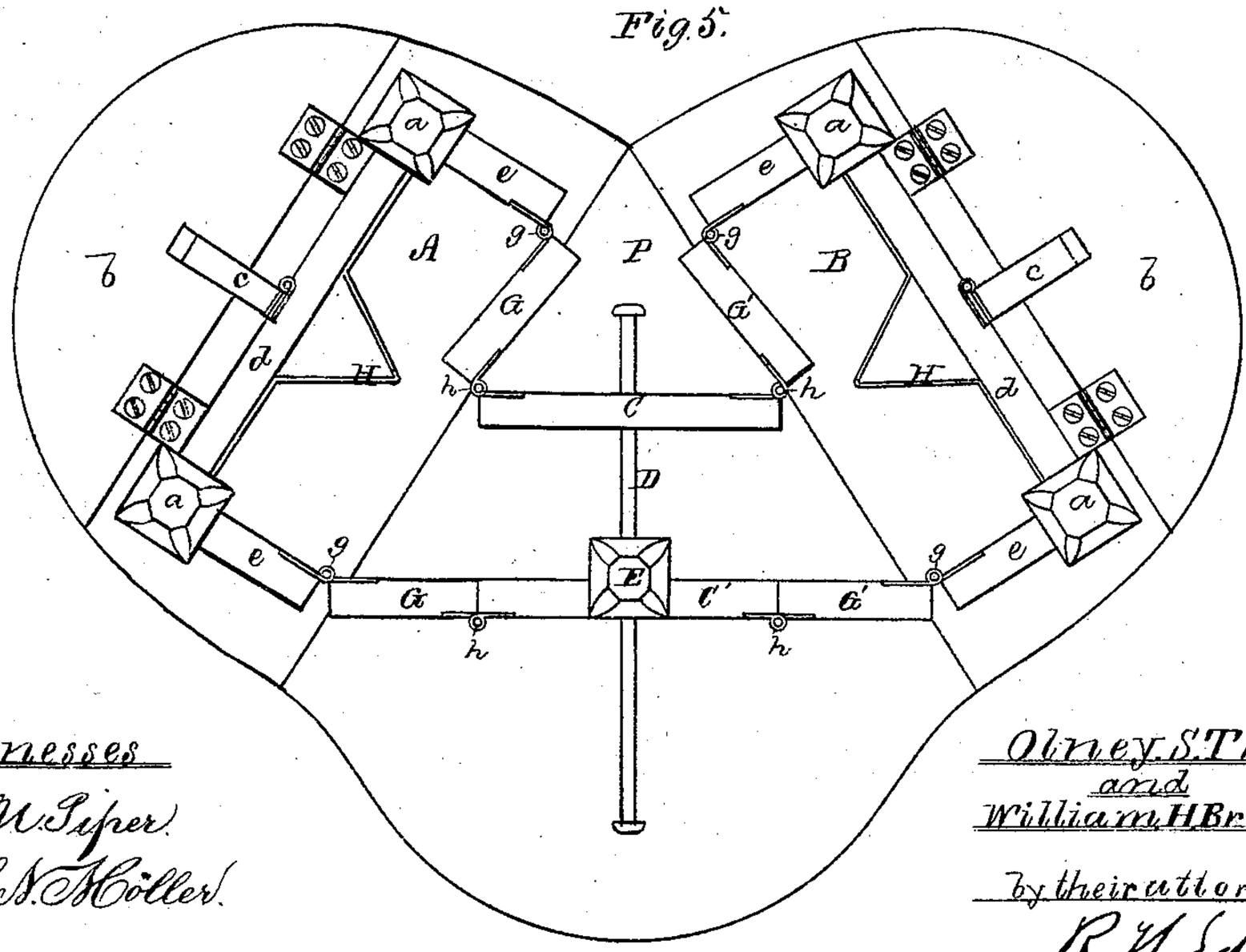


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN EXTENSION-TABLES.

Specification forming part of Letters Patent No. **152,257**, dated June 23, 1874; application filed April 10, 1874.

To all whom it may concern:

Be it known that we, OLNEY S. THAYER, of Bellingham, and WILLIAM H. BRITTON, of Milford, of the State of Massachusetts, have invented a new and useful Improvement in Extension-Tables; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is an under-side view, and Fig. 2 a longitudinal section, of an extension-table provided with our improvement. Fig. 3 is a top view of the extension sector or leaf P, to be hereinafter described. Fig. 4 is a top view of the table with the extension-sector P in place therein.

Our invention particularly relates to the mechanism for connecting the two extension wings or halves of the table.

In the drawings, A B denote the said wings or extension-halves, each being provided with two legs, *a a*, and, if required, with a leaf, *b*, hinged so as to be capable of being turned from a vertical position up into a horizontal one, and there held by a brace or arm, *c*, duly hinged to one of the leg connections *d d*. From each leg *a* there is projected inward and underneath the part of the table-top which rests on such leg an arm, *e*, and between each pair of such arms in range with each other there are disposed, as shown, two bars, C C′, parallel to each other, and to the two pairs of arms. A bar, D, having projecting from its middle, as shown, a leg, E, goes and slides freely horizontally through the bars C C′ at their middles, and at each end is furnished with a head, *f*. Each of the bars C C′ is connected with the next adjacent pair of arms *e e* by two bars or pieces, G G′ arranged as shown, such pieces G G′, being connected to their bar C or C′, and to the next two arms *e*, by hinges, arranged as shown at *g g* and *h h*. When the table is extended so that the two portions of its top are parallel, each pair of arms *e e*, the next adjacent bar C or C′, and their connection-bars G G′, will be brought into line or range with each other, as shown in Fig. 5, which exhibits an under-side view of the table as extended.

In order to facilitate the separation or moving apart of the two bars C C′, while the table may be in the act of being closed, we apply to each leg-bar *d* a wedge or cam, H, to project therefrom in manner as shown. These cams or wedges, by entering between the bars C C, press them asunder.

The central leg and its support-bar may sometimes be dispensed with, but generally they will be necessary to the production of a strong table.

Instead of leaves with parallel edges, our table admits of the use of one or more leaves of a sectoral form, or whose opposite edges incline to or diverge from each other, a leaf of such description being shown in top view at P, in Figs. 3 and 4.

We claim—

1. The combination of the slide bar D with the central leg E, the two bars C C′, the four arms *e e e e*, and the connection-bars G G′ G G′, hinged together and arranged with the two halves A B of the table, as specified.

2. The combination of the cams or wedges H H with the two wings or table halves A B, and the bars C C′, the four arms *e e e e*, and the connection-bars G G′ G G′, all being arranged and applied as set forth.

OLNEY S. THAYER.
WM. H. BRITTON.

Witnesses:
JAMES R. DAVIS,
E. B. FOSTER.