

(No Model.)

A. M. SEYMOUR.

TABLE LEG.

No. 284,764.

Patented Sept. 11, 1883.

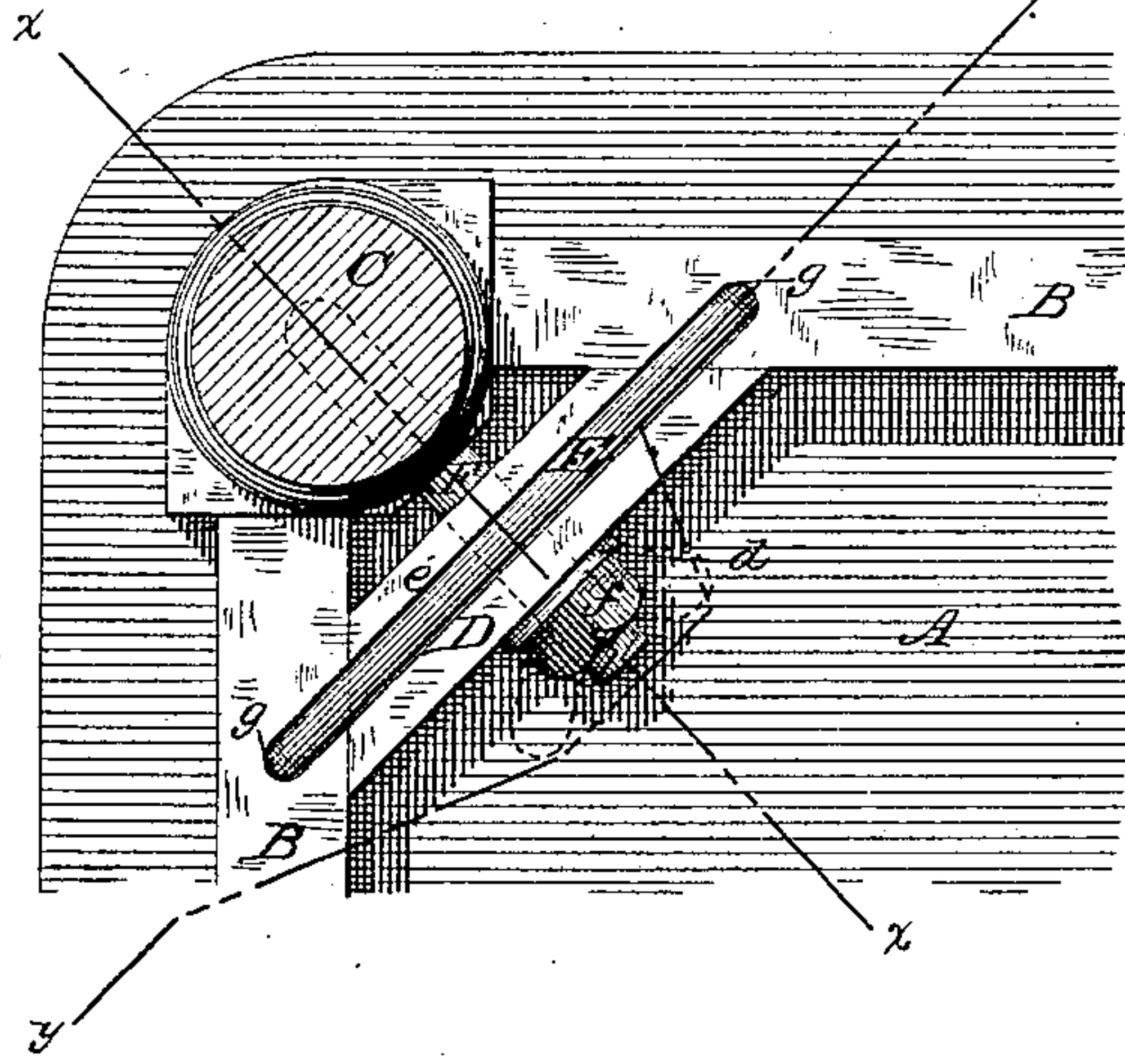


Fig 1.

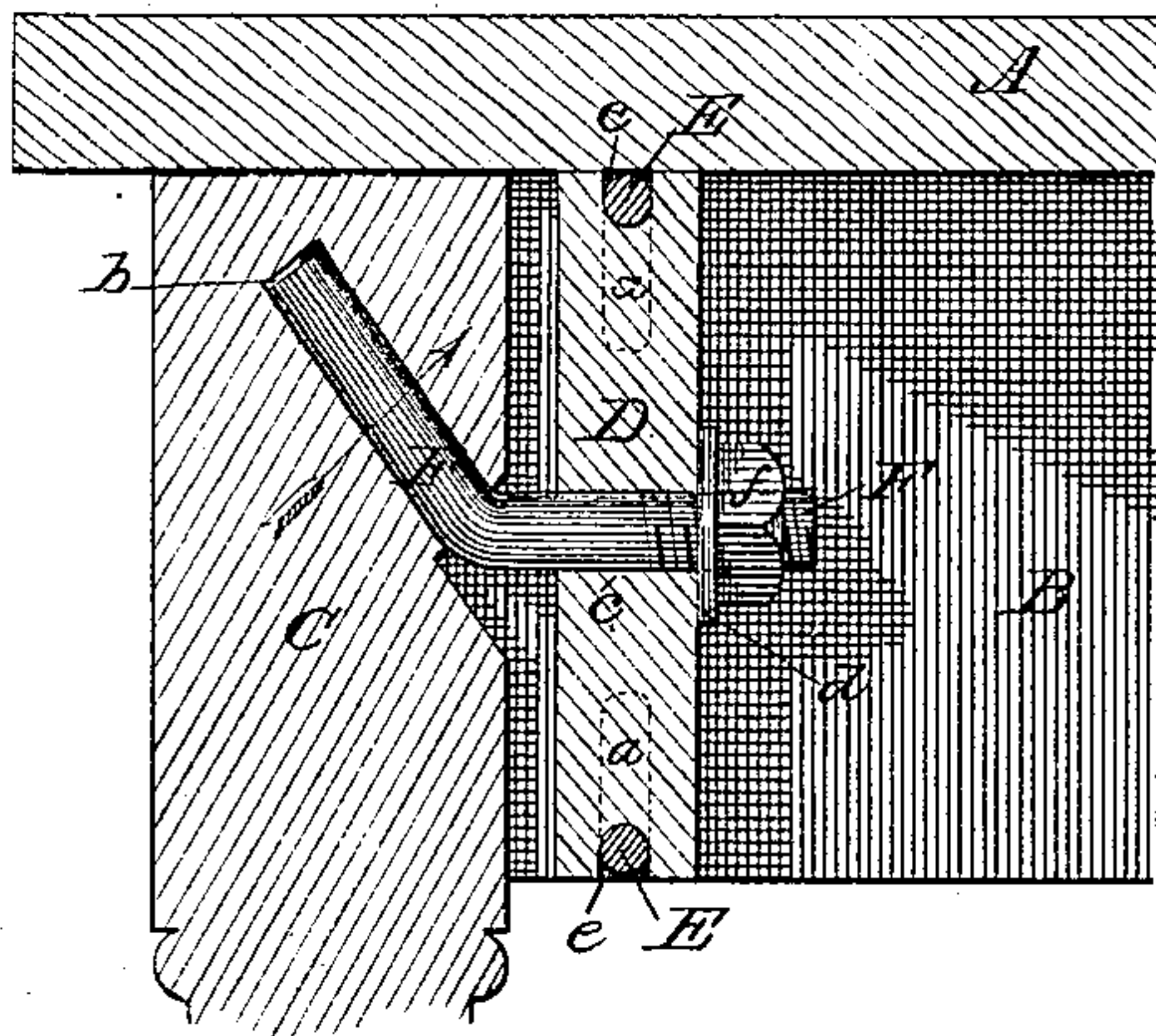


Fig 2.

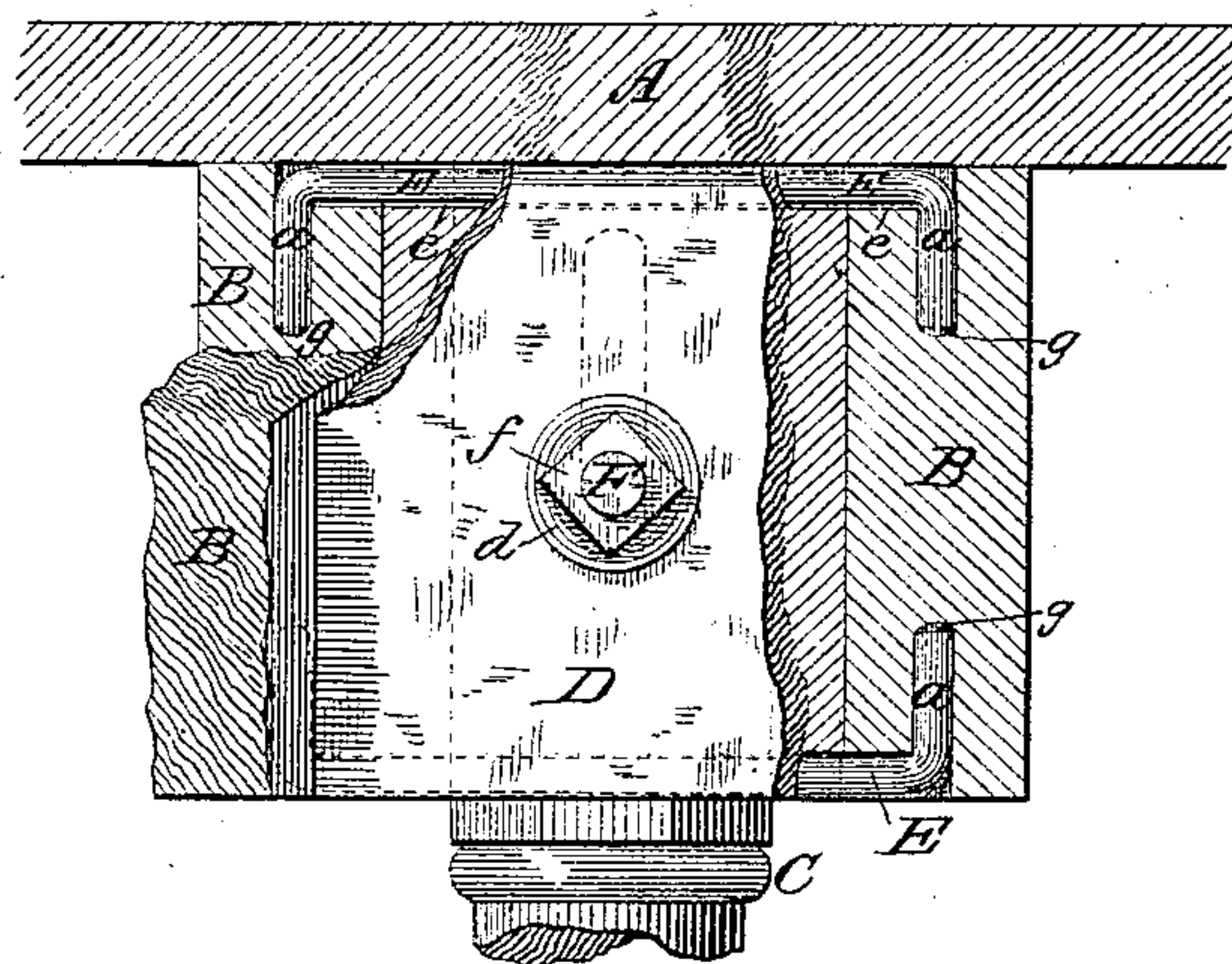


Fig 3.

WITNESSES

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# UNITED STATES PATENT OFFICE.

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## TABLE-LEG.

SPECIFICATION forming part of Letters Patent No. 284,764, dated September 11, 1883.

Application filed April 13, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ARBA M. SEYMOUR, a citizen of the United States, residing at Mazomanie, in the county of Dane and State of Wisconsin, have invented certain new and useful Improvements in Table-Legs; 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, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to tables; and it consists, first, in the construction and application to a table body and legs of a novel clamping device whereby the legs can be quickly and securely attached to the body and readily detached therefrom; and, secondly, in a novel method of fastening the cross-head brace usual to that class of tables to which this invention pertains, as will be more fully hereinafter set forth.

In the drawings, Figure 1 is a bottom plan view of one corner of a table, showing the leg in transverse section. Fig. 2 is a vertical section cut in an oblique plane through line *x x* of Fig. 1; and Fig. 3 is a vertical oblique section, partly broken and partly cut through line *y y* of Fig. 1.

The table-body consists of the usual top, A, and rails B, a space forming the seat for the upper end or head of leg C being left between the ends of the rails. Running diagonally across from near the end of one rail to a point near the end of the adjacent rail is the usual cross-head brace, D. This cross-head, in addition to its being glued at its ends to the contiguous rails, is further secured in place by bars E, bent at right angles near the ends thereof, thus giving to them the form of a staple. A longitudinal groove, *e*, is cut in both top and bottom edges of the cross-head brace, in which rests a portion of the above-described bars, the grooves being of sufficient depth to admit of the top surface of these bars to be flush with the edge surfaces of the cross-head brace, for obvious purposes. The angled ends *a* of these bars are driven into seats *g* formed for them in top and bottom edges

of the rails, as shown in Fig. 3, thus holding the cross-head brace in position with additional security, the brace and rails becoming more or less amalgamated. A screw-bolt, F, bent near the center at or near an angle of forty-five degrees, is employed to secure the leg in its seat. The plain or smooth end of this bolt rests in a seat cut in an upwardly and outwardly oblique direction in the head of the table-leg, while the threaded end passes horizontally through hole *c* cut through the cross-head brace. A washer, *d*, and nut or thumb-screw *f* are employed to perfect the clamping device.

It is obvious that in "screwing down" the nut the obliquely bent portion of the bolt is made to operate as a wedge, as, in its effort to draw out of its seat in response to the traction occasioned by the clamping of the nut, the head of the table-leg is wedged upwardly against the under surface of the table-top in the oblique direction shown by the arrow in Fig. 2, as well as inwardly against the sides of the seat formed by the ends of the rails. It will thus be seen that the head of the table-leg, by my improved clamping device, is tightly pressed against the whole surface of its seat.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the staple-bars, as described, the table-rails provided with seats for the angled ends of the bars on the lower and upper edges, and the cross-head brace provided with longitudinal grooves cut into the upper and lower edges thereof, substantially as and for the purposes set forth.

2. In combination with the table-top, rails, cross-brace, and table-leg, provided with the inclined seat, as described, the bent screw-bolt and nut, substantially as and for the purposes set forth.

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

ARBA M. SEYMOUR.

Witnesses:

D. N. SMITH,

GEORGE BUTLER.