

(No Model.)

C. N. KARSTENS.

EXTENSION TABLE.

No. 286,827.

Patented Oct. 16, 1883.

Fig. 1.

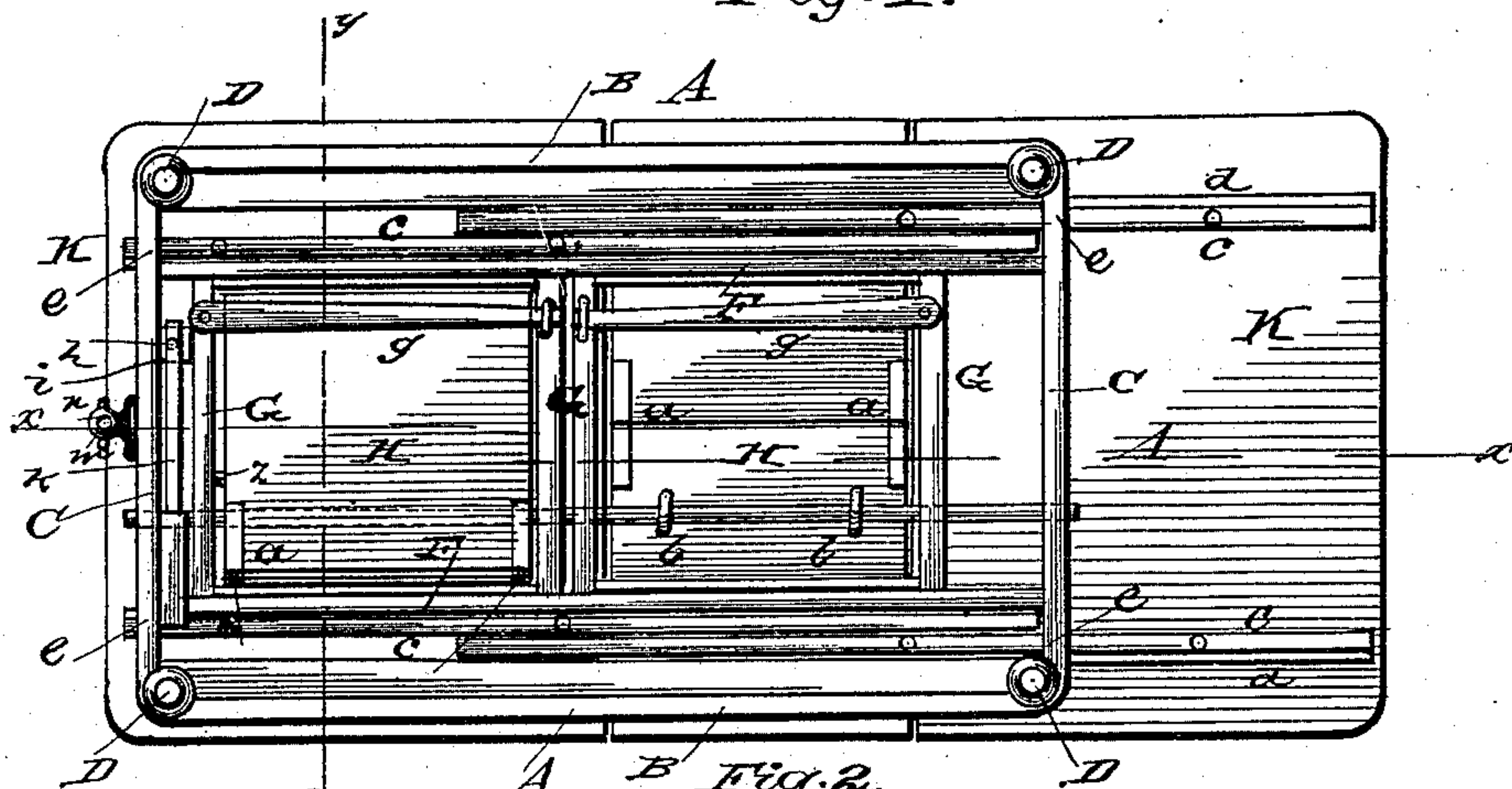


Fig. 2.

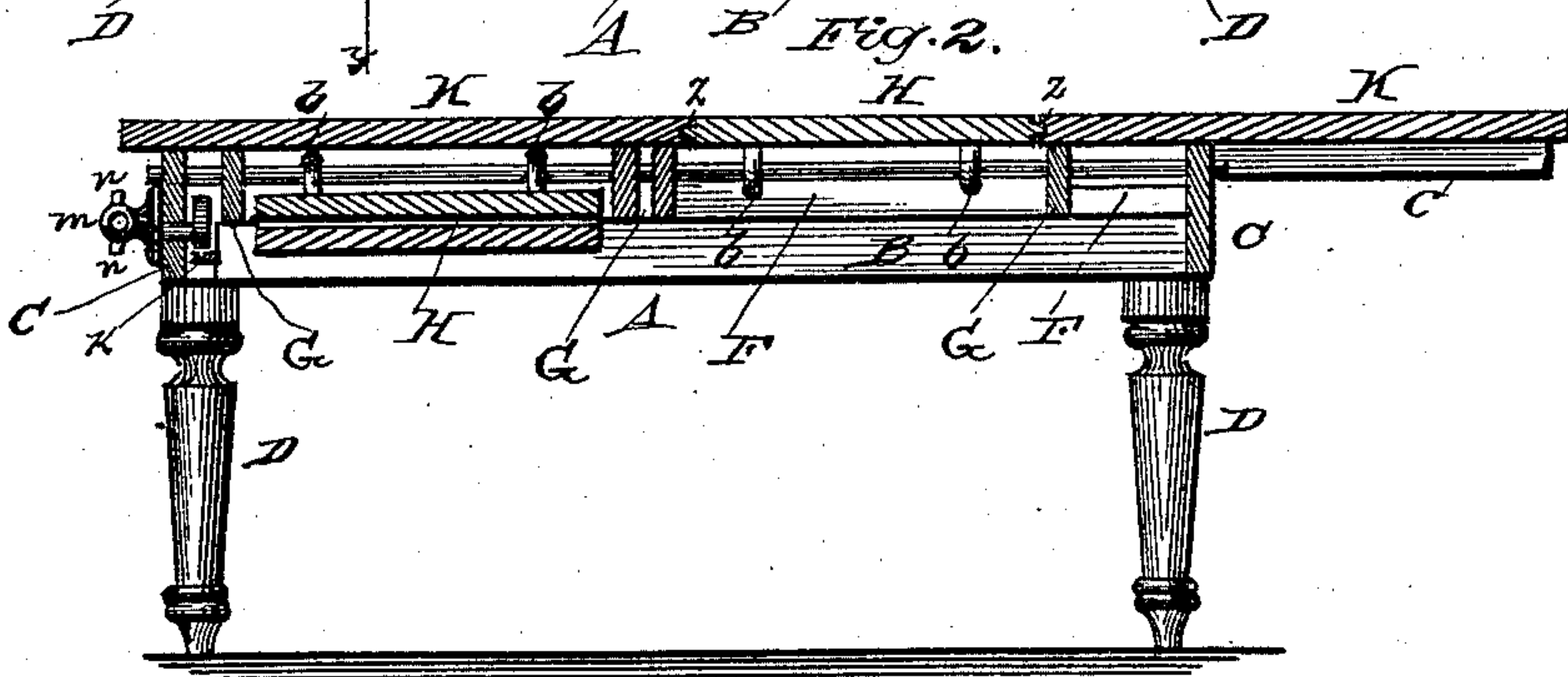
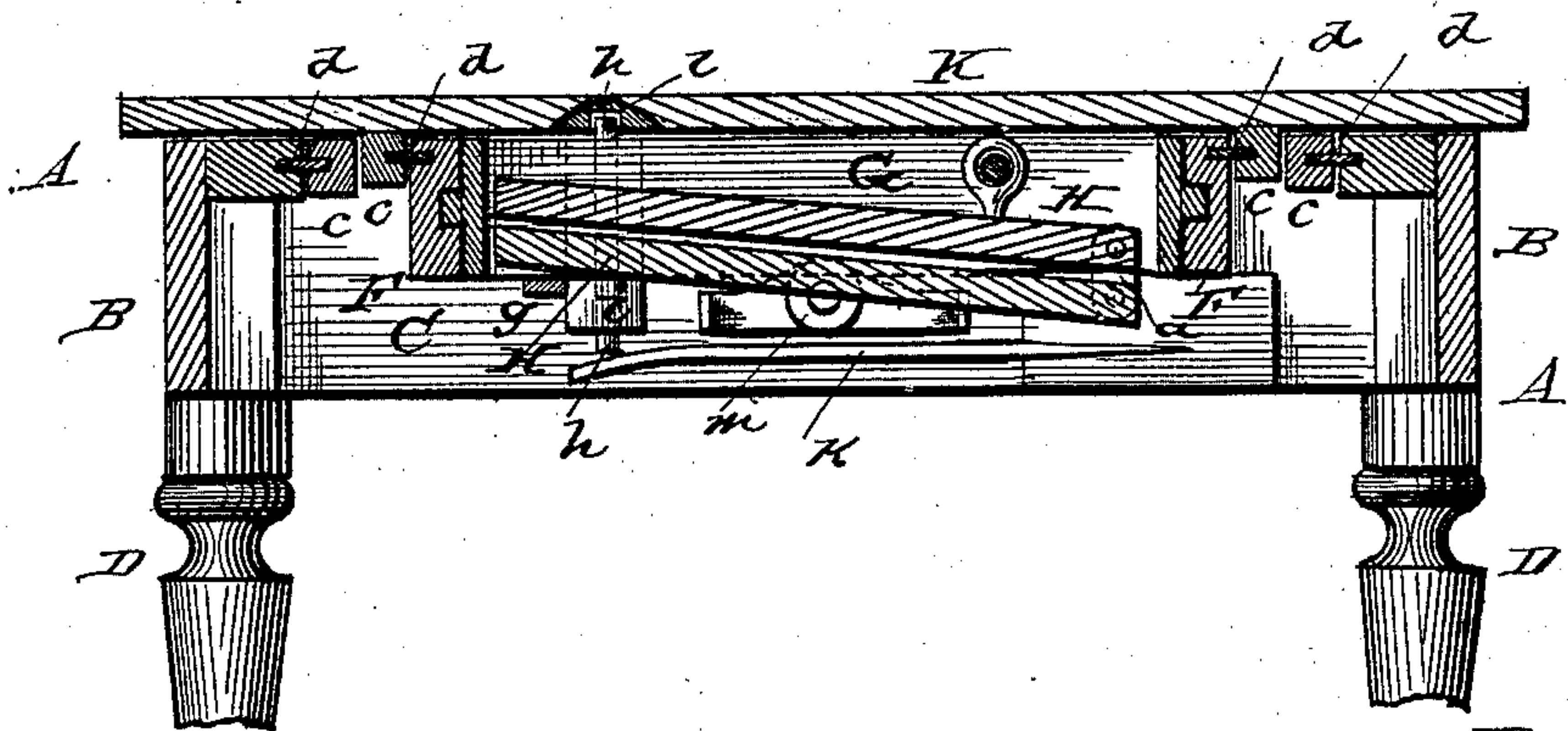


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

CARSTEN N. KARSTENS, OF NEBRASKA CITY, NEBRASKA.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 286,827, dated October 16, 1883.

Application filed June 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, CARSTEN N. KARSTENS, a citizen of the United States, residing at Nebraska City, in the county of Otoe and State of Nebraska, have invented certain new and useful Improvements in Extension-Tables; and I do 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 letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a bottom view. Fig. 2 is a vertical sectional view, and Fig. 3 is a cross-sectional view.

This invention has relation to extension-tables; and it consists in the construction and novel arrangement of parts, all as hereinafter set forth.

In the accompanying drawings, the letter A designates the main frame of the table, which is made in solid form, the legs D being supported by the side rails, B, and end rails, C.

F F indicate longitudinal bars, which extend parallel and near to the side rails, B, from one end rail, C, to the other. G G are transverse bars connecting the bars F F, and between the bars F F and the bars G G is a rectangular central opening of large size, in which are supported the central boards, H H. The central boards are hinged together, as indicated at *a*, and fold transversely, the upper board being provided with journals *b*, which are somewhat offset from the bottom surface thereof. The journals *b b* engage bearings in the cross-bars G G of the table-frame.

K K represent the end boards of the table, which are designed to slide toward or from each other. These boards are provided with grooved arms or extensions *c*, which engage tenons or guides *d* of the side rails, B, and longitudinal bars F. The extensions *c* slide in notches of the end bars of the frame, as shown at *e*. When the middle boards, H H, are folded together and revolved downward, they are supported by the journals and a rest-bar, *g*, at a lower level than the end boards, K, which can be closed together, meeting centrally above the end boards. In order to extend the table, the end boards are separated and moved outward beyond the cross-bars G. The middle boards

are then revolved upward and opened out transversely to rest on the table-frame, and the end boards are pushed up to engage the same by their studs *z*.

Stop-bolts, with or without springs, may be arranged on the ends of the table-framing, to engage the slide-leaves and hold them in position when closed, and thereby prevent the table from being pulled apart while it is being moved about. I have shown one method of constructing the stop-bolt with springs in the drawings. In the instance shown the stop-bolts *h* are located in vertical sleeves *i*, secured to the inner faces of the end rails of the frame, and are operated by springs *k*, to hold them normally in engagement with notches or keepers *l* in the under faces of the slide-leaves, near the outer ends thereof. Knobs *m*, provided with arms *n*, are employed to retract the bolts from the keepers when it is desired to move the slide-leaves outwardly to extend the table. These knobs *m* have their bearings in the end rails of the table-frame. The bolts may be on the outside of the end rails, or in the joint of the same with the legs. The construction shown, however, is preferable.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, in an extension-table having the transversely-folding middle boards with offset journals, of the end boards, K K, secured to the longitudinal extensions *c* and the ends bars, C, of the solid frame A, carrying the supporting-legs, and the transverse bars G, designed to serve the double function of supporting the hinged middle boards and the rods to which they are journaled, substantially as specified.

2. The combination, with the end rail, C, of the stop-bolt *h*, spring *k*, and means, substantially as described, for holding the same, the sleeve *i*, knob *m*, for retracting the spring, and the boards K, having notches in their under faces for the reception of the stop-bolts, substantially as specified.

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

CARSTEN N. KARSTENS.

Witnesses:

F. SELLHORN,
H. WILLHOFT.