

(No Model.)

F. L. SANDS.

SEAT AND DESK FASTENING.

No. 332,839.

Patented Dec. 22, 1885.

Fig. 1.

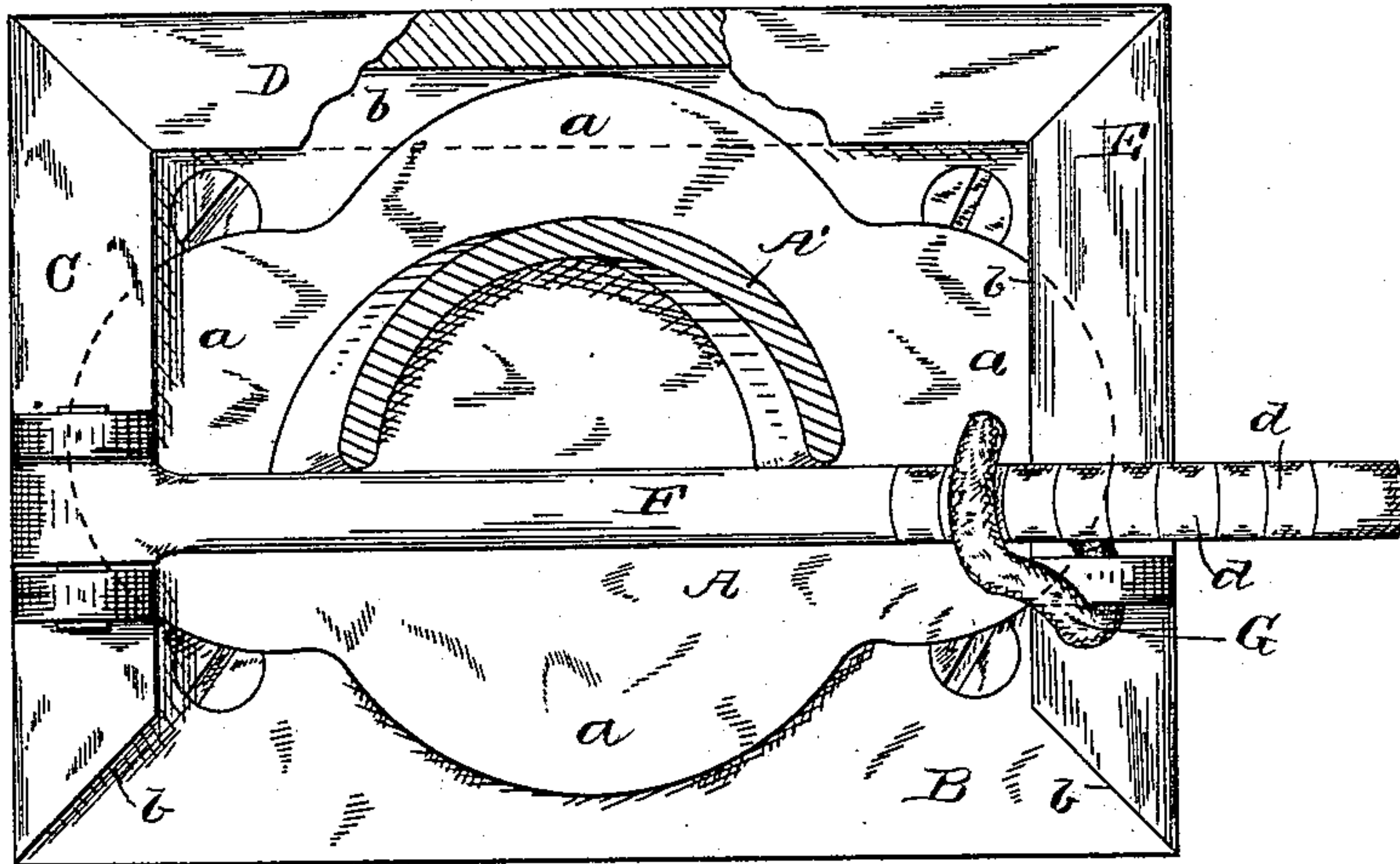
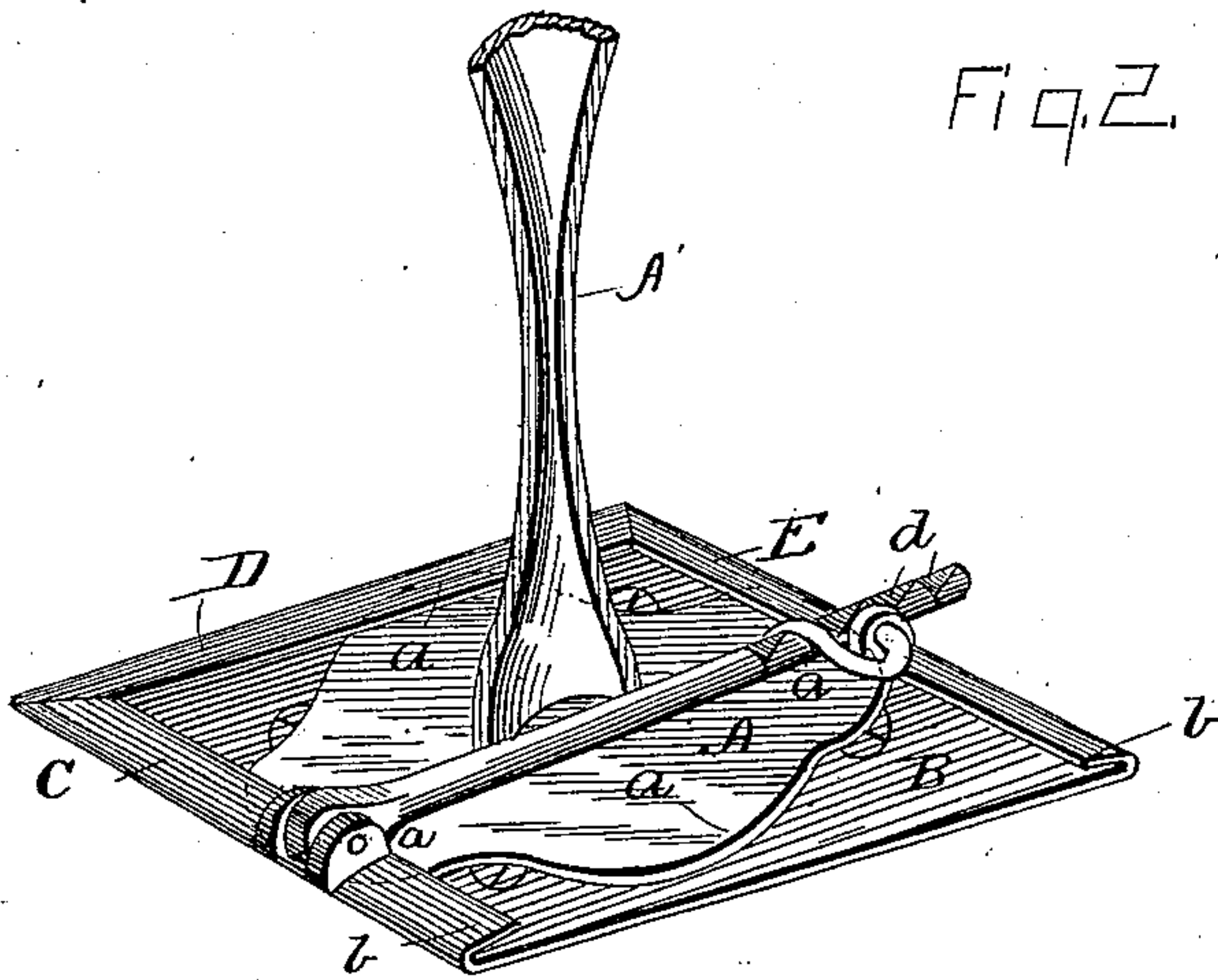


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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SEAT AND DESK FASTENING.

SPECIFICATION forming part of Letters Patent No. 332,839, dated December 22, 1885.

Application filed August 22, 1885. Serial No. 175,057. (No model.)

To all whom it may concern:

Be it known that I, FRED LINCOLN SANDS, a citizen of the United States, residing at Lyndon, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Seat and Desk Fastenings; 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention pertains to seat and desk fastenings, and has more especial reference to means of detachably attaching school and hall furniture, so that the same can be readily detached from the floor and removed in case of fire, or when the space is desired temporarily to be used in other modes.

In all seated halls, and particularly in school-rooms, an attachment of the furniture to the floor is a necessity, to preserve the proper relative location of such furniture, and in case of desks to give the latter sufficient immobility. Heretofore such furniture has been affixed by screws—a mode which rendered the detaching thereof impracticable without considerable labor, and, where the building was on fire, the consumption of too much time.

In my invention it is the design to provide a mode of attaching such furniture which will permit the detaching thereof with very little effort and in a very short time, and to render such attachment adjustable.

As my invention has no reference to the furniture itself, I do not deem it essential to show or describe the latter further than is necessary to exhibit the attachment thereof.

In the drawings, Figure 1 is an attachment exhibiting one mode of applying my invention. Fig. 2 is a detail perspective.

A is the foot of the seat or desk, having the divergent horizontal projections *a a a*, adapted to rest upon the floor. A' is the leg. B is the attachment, consisting of the three joined or united sides C D E, and adapted to be screwed or otherwise fastened to the floor. Spaces *b* are provided under the sides C and D, into

which two of the projections *a* of the foot A are respectively placed. To the side C is pivoted the lever F, in condition to be oscillated vertically. The third projection *a* of the foot A projects under the lever F, when the latter is brought down to the horizontal position, in which position the lever is clamped down upon such foot and held in position by an oscillating hook, G, pivoted to the open end of the side E, so as to project over and engage notches *d* on the upper side of the lever F. The eye at the lower end of the hook G is parallel with the lever F, so as to permit such hook, when disengaged, to be thrown back off such lever and allow the latter to be raised. The lever F is so pivoted that when it is thrown upward it falls outside of the side C. The projections *a* of the foot A have a central radial rib on their upper surface, and such foot is forced under the sides C and D until the ribs abut, respectively, against the under surfaces of such sides, and when the lever F is brought down tightly upon the third projection *a* the foot A is held rigidly and immovably to the floor. When it is desired to release the foot A, the lever F is sprung downward slightly to loosen the hook G, when the latter is thrown off from the lever F, such lever thrown forward, and the foot A withdrawn laterally from the attachment B.

As the locking devices are usually made of cast-iron, there is in the cooling thereof some variance in the size of the parts; and to avoid any looseness arising from variance in the relative size or location of the parts, it is essential that the lever F be adapted to be locked adjustably, and thus held down rigidly upon the foot A, whatever the relative height of the latter. This is accomplished in my invention by providing the series of notches *d* on the upper surface of such lever, and the hook G can be forced into such one of said notches *d* as will effect the desired rigidity; and if from the shrinkage of the floor, such notch shall cease to produce the requisite tightness, the hook G can be forced into some notch *d* nearer the point of such lever, and increased tightness thus effected. It is important that there be not the slightest "play" or looseness of the foot A.

What I claim as my invention and desire to secure by Letters Patent of the United States, is—

1. The combination of an attachment, B,
5 fixed to the floor and provided with spaces *b*,
the foot A, provided with projections *a*, for
insertion into such spaces, the lever F, and
means for holding such lever adjustably upon
10 a portion of such foot, substantially as shown,
and for the purpose specified.

2. The combination of the attachment B,
the foot A, lever F, and hook G, substantially
as shown, and for the purpose described.

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

FRED LINCOLN SANDS.

Witnesses:

JACOB L. MINOT,

WALTER N. HASKELL.