2 Sheets—Sheet 1.

J. F. BOYE.

Desk.

No. 197,452. Patented Nov. 27, 1877.

Fig. 1.

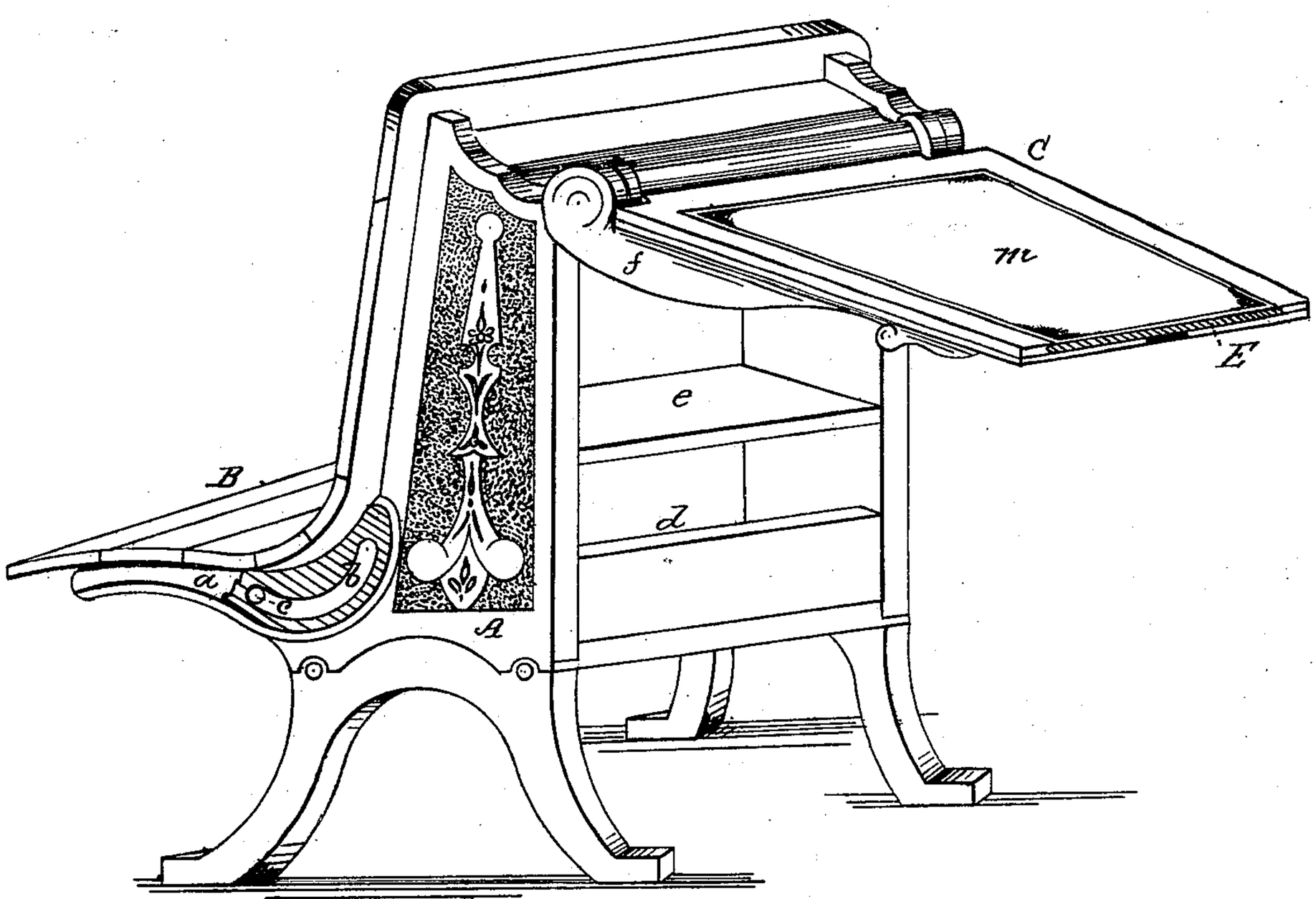
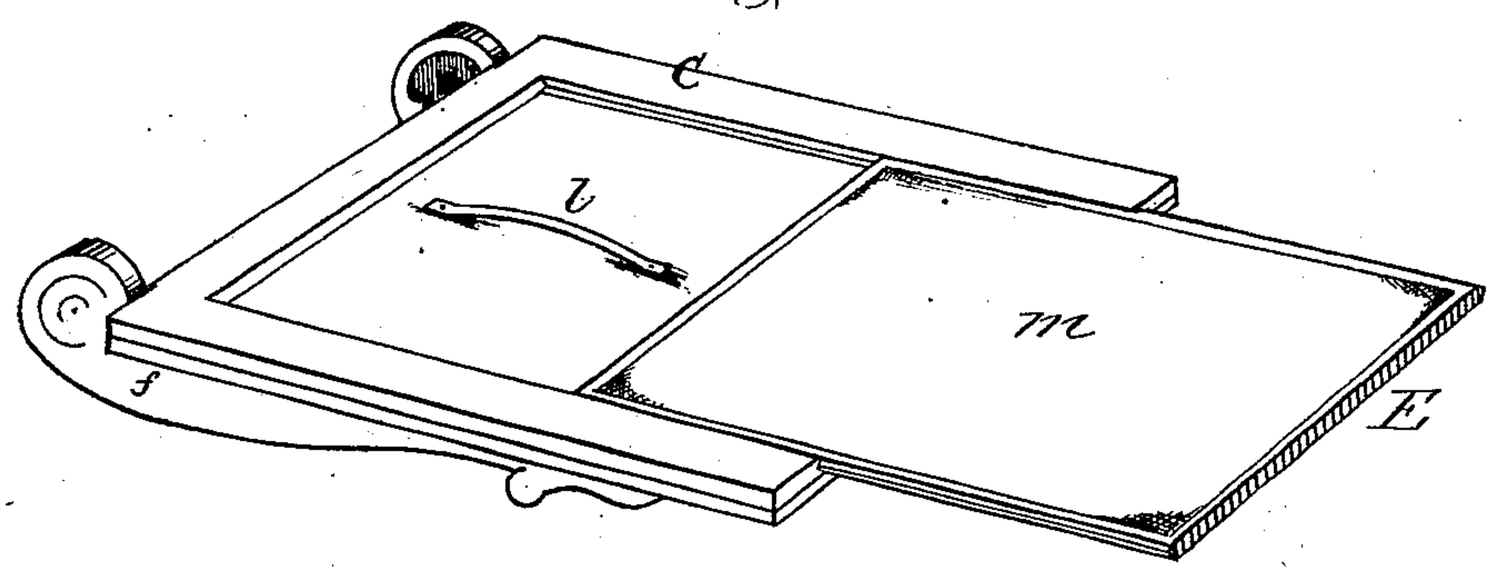


Fig. 2.



WITNESSES

John H. Redstone.
Albert E. Redstone.

INVENTOR

John F. Boye

2 Sheets—Sheet 2.

J. F. BOYE.

Desk.

No. 197,452. Patented Nov. 27, 1877.

Fig. 3.

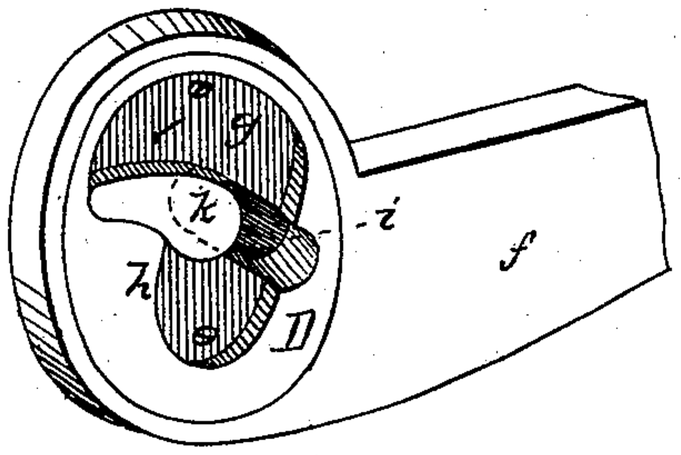


Fig. 5.

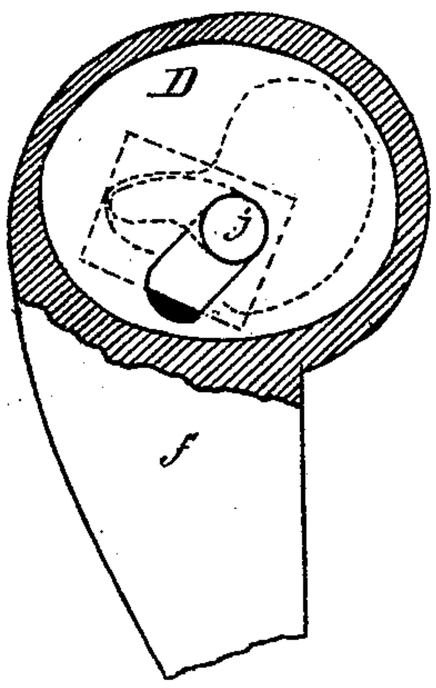


Fig. 4.

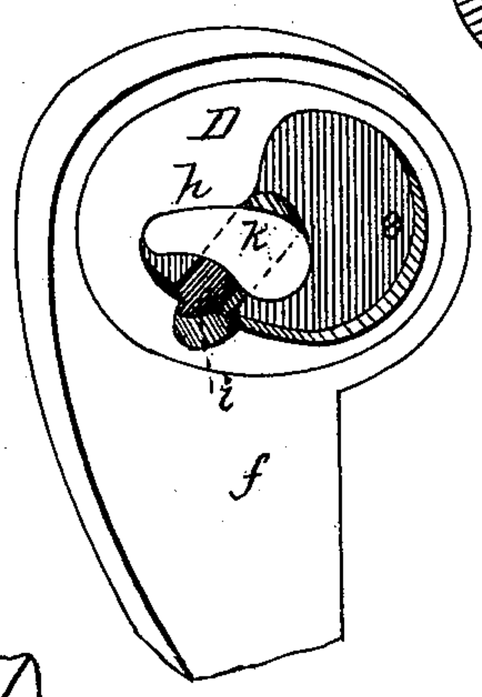


Fig. 6.

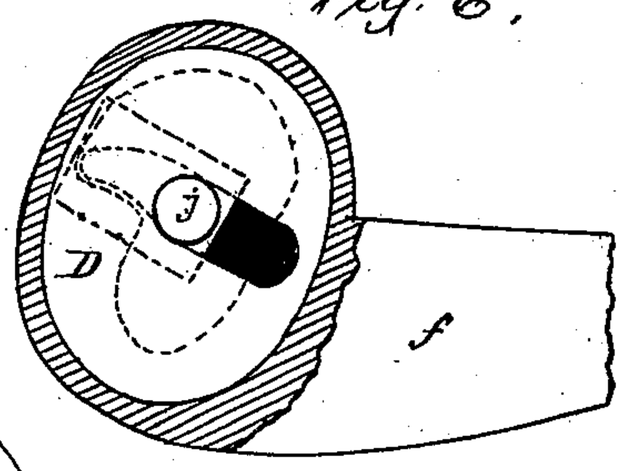
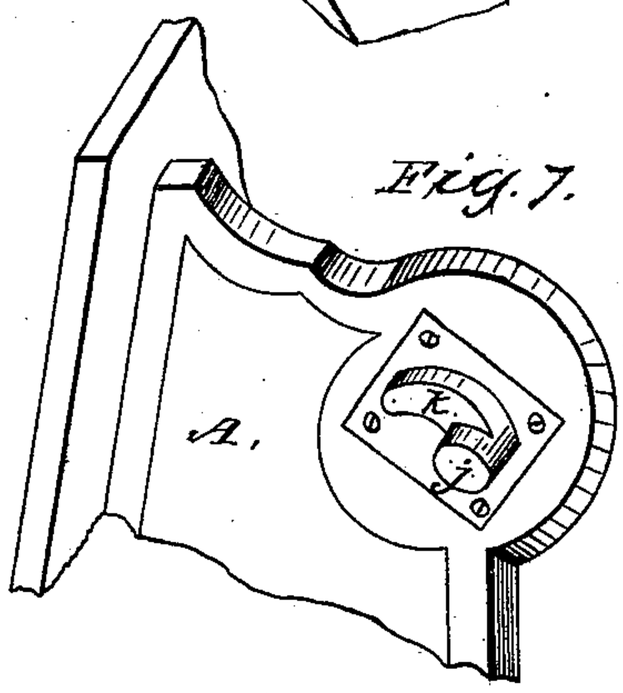


Fig. 7.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN F. BOYE, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN DESKS.

Specification forming part of Letters Patent No. **197,452**, dated November 27, 1877; application filed February 4, 1876.

To all whom it may concern:

Be it known that I, JOHN F. BOYE, of San Francisco, county of San Francisco, and State of California, have invented certain new and useful Improvements in Desks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved desk; Fig. 2, a detached view of the desk-top and sliding cover; Fig. 3, a detail view of the locking device, showing its position when the desk-top is raised; Fig. 4, a similar view of the locking device, showing its position when the desk-top is down; Figs. 5 and 6, detail views of the brackets in broken section, showing the locking device in its two positions in dotted lines; Fig. 7, a view of the pivotal stop, showing it connected to the side of the body of the desk.

This invention has relation to that class of desks more particularly adapted for school purposes, in which the seat and desk-top are capable of being folded against the body of the desk when not in use; and the object and purpose of the present invention are to provide a desk in which its several parts will be durable, and not easily gotten out of order, and at the same time meet the requirements of the occupant for convenience of keeping books or other articles used by the student.

The invention, therefore, consists in a novel construction of a locking device, so that the desk-top may be easily lowered or raised, and held in position as circumstances require.

My invention further consists of a cover, one side of which is covered with a suitable felt or fabric, and is so connected with the desk-top as will admit of its being withdrawn and reversed, so that when not required for use the felt or fabric will be preserved from the dust or dirt, as will be hereinafter described, and subsequently pointed out in the claim.

In the accompanying drawings, A represents the frame or body of the desk, which may be of any suitable design, construction, and material, and has pivoted or otherwise connected thereto a folding seat, B, supported by brackets *a*, having curved bearings *b* for the seat-hinge, and a stop, *c*, to hold the seat in position.

The body A of the desk has a box-compartment, *d*, and above this is a shelf, *e*, the former designed for the purpose of receiving the slate, satchel, lunch-basket, &c., while the shelf *e* receives the books. Secured to the upper portion of the body A is the desk-top C, having side brackets *f*. These brackets are formed with irregular slotted recesses *g* therein, having a shoulder, *h*, and elongated slot *i*; and when the desk is made of wood this irregular slotted recess is formed in a plate, D, of any suitable metal, which is afterward secured to the brackets by screws or other suitable means; but should the desk be made of metal, the plate can be dispensed with, and the irregular recess and slot may be formed in the brackets when they are cast. Secured to or cast with the body A, at the sides thereof, are pivots or pins *j* and cams *k*, which constitute, together with the slotted plate D, an effective locking device to hold the desk-top in position when raised, and also to allow it to be readily closed or folded down against the body A to serve as a cover in protecting the interior of the body.

To more readily understand the operation of the locking device, it will be seen that when the desk-top is closed against the body the irregular slotted recess *g* takes a position in relation to the cam *k*, as illustrated in Figs. 4 and 5 of the drawings, the shoulder *h* bearing upon the cam *k*, and the upper end of the slot *i* bearing upon the pivot or pin *j*. Now, when it is required to raise the desk-top in position to be used, the same is raised until the relative parts are in position, as seen in Figs. 3 and 6, when the upper end of the elongated slot *i*, bearing upon the pivot or pin *j*, will support the desk-top and hold it in the desired position.

When the desk-top is to be closed, it is pushed forward a distance equal, or nearly equal, to the slot *i*, or until the lower end of the slot comes in contact with the pivot or pin *j*, when the weight of the desk-top will cause it to fall and assume the position as shown in Figs. 4 and 5.

The desk-top C is provided with a sliding or removable cover, E, held in position by a

spring-plate, *l*. This cover is preferably of wood, and lined upon one side with a soft material, *m*, such as cloth, felt, or other like material. The object of having the cover removable is to preserve or protect said material from the dust and dirt by withdrawing it from the desk-top and replacing it with the cloth side down.

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

1. A desk body or standard having the pivot or pin *j* and cam *k*, in combination with a folding desk-top having brackets with irregular-curved recesses *g* and elongated slot *i*, substantially as and for the purpose set forth.

2. A folding desk-top, as described, having a reversible cover, E, lined on one side with a suitable fibrous material, *m*, said cover being held in position by a spring, *l*, for the purpose specified.

JOHN F. BOYE.

Witnesses:
ALBERT E. REDSTONE,
JOHN H. REDSTONE.