No. 619,071. Patented Feb. 7, 1899.

T. B. CRIDDLE.

ADJUSTABLE FOOT REST.

(Application filed June 30, 1897.)

(No Model.)

Fig: 1.

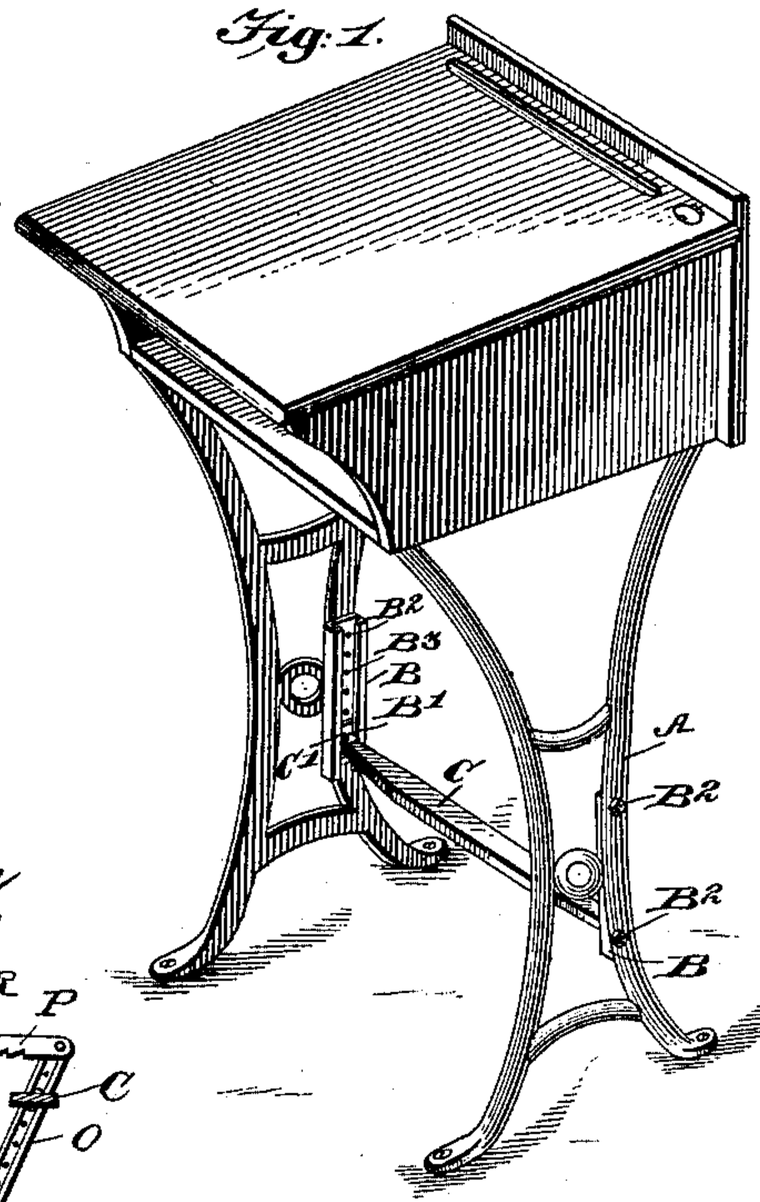
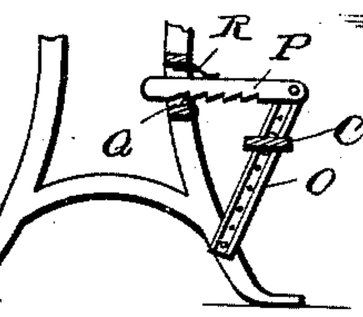
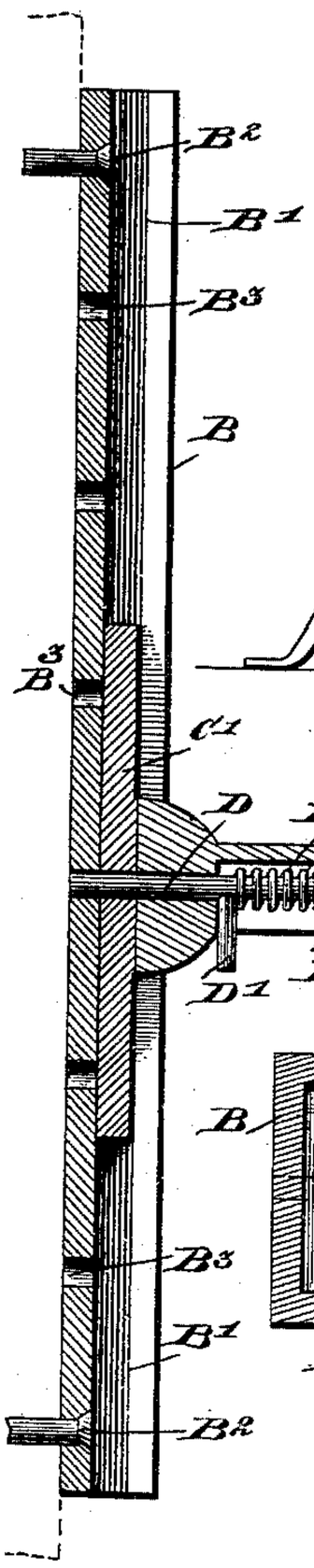


Fig: 7.





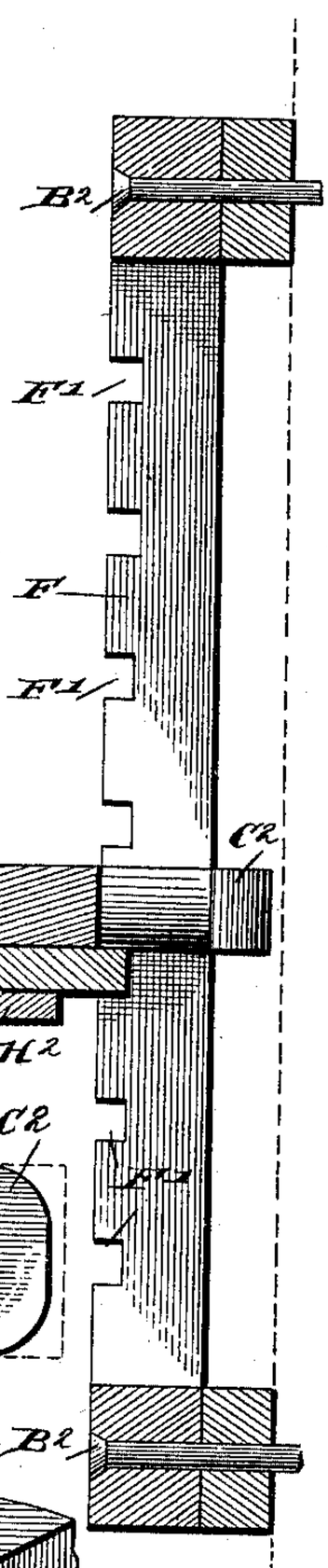


Fig: 2.

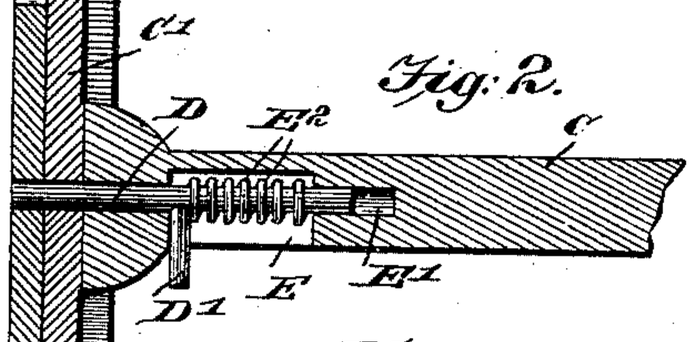


Fig: 4.

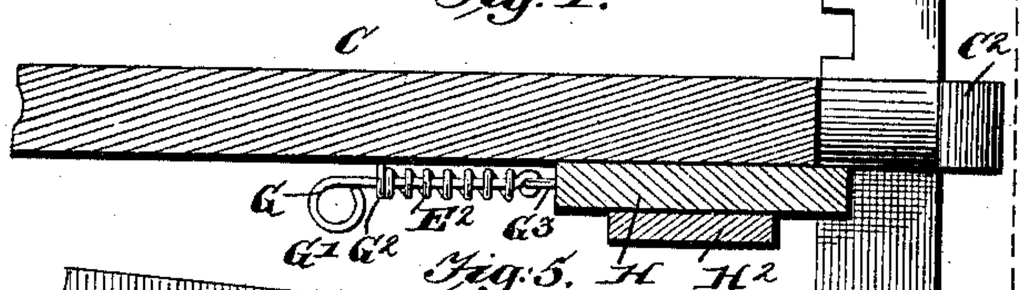


Fig: 3.

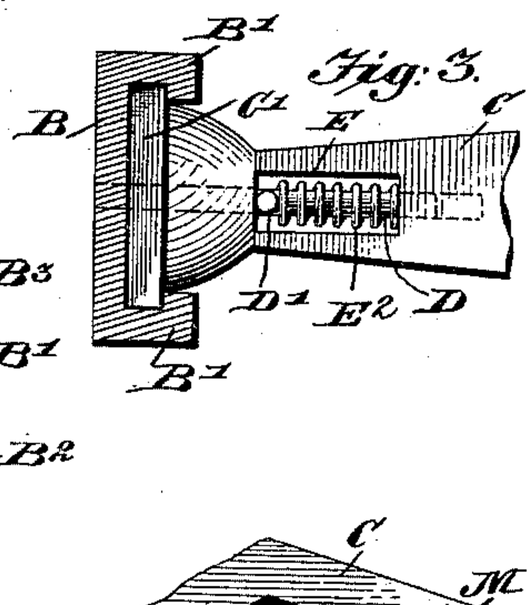


Fig: 5.

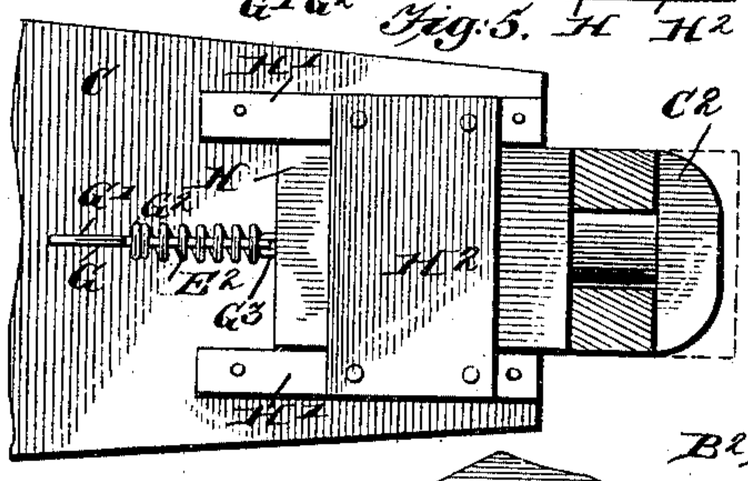
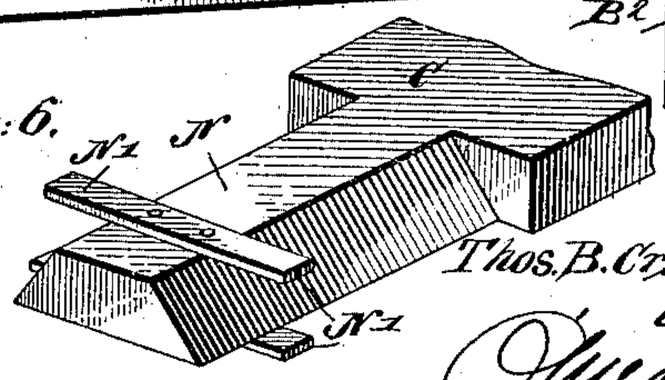


Fig: 6.



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UNITED STATES PATENT OFFICE.

THOMAS B. CRIDDLE, OF WAXAHACHIE, TEXAS.

ADJUSTABLE FOOT-REST.

SPECIFICATION forming part of Letters Patent No. 619,071, dated February 7, 1899.

Application filed June 30, 1897. Serial No. 642,967. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. CRIDDLE, residing at Waxahachie, in the county of Ellis and State of Texas, have invented a new and useful Adjustable Foot-Rest, of which the following is a specification.

This invention relates to improvements in adjustable foot-rests for desks, chairs, railway-seats, and any other objects to which applicable, and has for its object to provide a convenient device which may be applied to existing desks, chairs, &c., or which may be provided upon the desks, seats, or chairs in process of manufacture.

My improved device is simple, cheap, and as durable as any other portion of the desk and not at all likely to get out of order.

My improved adjustable foot-rest is especially adaptable to school-desks, so that the rests may be raised in order to suit the small pupils. The adjustment may be readily effected by any person or child of ordinary intelligence.

A further object of my invention is to provide in the rest a lateral adjustment, so that it may be applied to desks of variable widths.

In the drawings herewith, in which similar parts are indicated by like letters of reference, Figure 1 is a perspective view of a school-desk fitted with one form of my improved adjustable rest. Fig. 2 is a central vertical section of the mechanism employed to secure the rest to the standards of the desk and for the vertical adjustment of the rest. Fig. 3 is a cross-sectional view in detail of the adjusting mechanism. Fig. 4 is a vertical sectional view of a modified form of my improved device. Fig. 5 is a bottom plan view of the construction employed in Fig. 4. Fig. 6 comprises two detail views in perspective, showing means employed for the lateral adjustment of a foot-rest hereinafter fully explained. Fig. 7 shows in side elevation a further means of adjustment hereinafter fully described.

In the drawings herewith my improved mechanism is shown as applied to a school-desk of the ordinary pattern; but, as stated, it is by no means confined to such application.

Upon the vertical portion of each standard A, preferably those adjacent to the rear wall of the desk, I secure a vertical plate B, its vertical edges turned inwardly, so as to form right-angled flanges B′, the edges of such flanges being further bent inwardly, as shown, so as to form a retaining sliding way for the ends of the foot-rest C, hereinafter described. Said slideways may be secured to the standards in any suitable manner by bolts B^2 or may be cast upon the standards in process of manufacture. Extending through the plates B, I provide a plurality of apertures B^3 in vertical alinement with each other in the center of said plate. I next provide the foot-rest C, which may be of wood or metal and of any desired form in cross-section. The ends of said portion C are preferably rounded, as shown, and secured in a suitable manner to vertical sliding plates C′, adapted to rest within and have vertical play in the slideways between the flanges B′ on plate B. The said slideways are closed at their lower ends to prevent the dropping therefrom of the sliding plates C′.

In the under surface of the foot-rest C, adjacent to the rounded portion of each end thereof, I provide a rectangular recess E, and extending through the plate C′ and the rounded portion of the rest and opening into the recess E and extended somewhat beyond the inner end of same I provide a longitudinal aperture E′, preferably circular, as shown. Within said aperture I provide a plunger-dog D, provided with a depending lug or finger D′ for operating the same. The said plunger-dog D is impelled outwardly by means of a spiral spring E^2, encircling said plunger within said recess E. The outer end of said dog is adapted to be engaged by any of the apertures B^3 when registering therewith by means of the upward or downward movement of the plate C′.

In Fig. 4 I have shown a modified form of construction. Instead of providing the flanged slideway I substitute therefor a vertical rack plate or bar F, provided with a plurality of square-cut horizontal slots F′. The ends C^2 of the rest C are so constructed as to encircle said bar or plate F and to slide vertically thereon. Upon the under surface of the rest C, I provide a locking-dog plate H, adapted to be engaged by either of said slots F′ when registering therewith, said locking

plates or dogs being slidably retained in a frame consisting of longitudinal strips H′ and transverse plate H^2, the strips secured upon the rest C and the plate upon said strips. The said dog-plate is outwardly impelled by means of spiral spring E^2, said spring being contracted and the dog drawn inwardly out of its engagement with the slots F′ by means of a rod G, secured to said dog and formed into an eye G′ after passing through a keeper G^2, against which keeper the inner end of said spring abuts. The outer end of the spring bears against an eye or a disk G^3 formed upon said rod G.

In Fig. 6 I have shown the mechanism employed for adjusting laterally the foot-rest C to desks, chairs, seats, benches, &c., of variable widths or lengths. This I effect by constructing the rest in two parts, having the meeting ends formed as shown, one end M being provided with a dovetail slot M′ and the other end with a tongue N, adapted to rest slidably with said slot M′ and provided upon its upper and lower surfaces with transverse retaining-strips N′.

In lieu of the construction shown I may employ dovetail mortise-and-tenon ends or simply socket the end of one portion within the other. I may in any other manner modify the construction of my device so as to afford both vertical and lateral adjustment for the foot-rest, which are the primary objects of my invention.

In Fig. 7 I have shown a further means of adjustment consisting of a perforated bar or plate O, pivotally secured to the standard at its lower end and in a similar manner secured to the end of a rack-bar P. The teeth of said rack-bar P engage with a beveled projection Q on the inner surface of the standard, and the parts are held in engagement by means of a plate-spring R, bearing upon the upper surface of the rack-bar. The foot-rest C is supported upon the perforated bar or plate O.

What I therefore claim as new, and desire to secure by Letters Patent, is—

The combination with a desk or chair having vertical slide-bars provided with a plurality of alined slots, of a sectional foot-rest having the sections thereof adapted at their outer ends to engage said slide-bars upon which the foot-rest is movable, and at their inner ends having a sliding connection, and spring-impelled dogs carried by the foot-rest and adapted to engage the slots of the slide-bars, substantially as described.

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