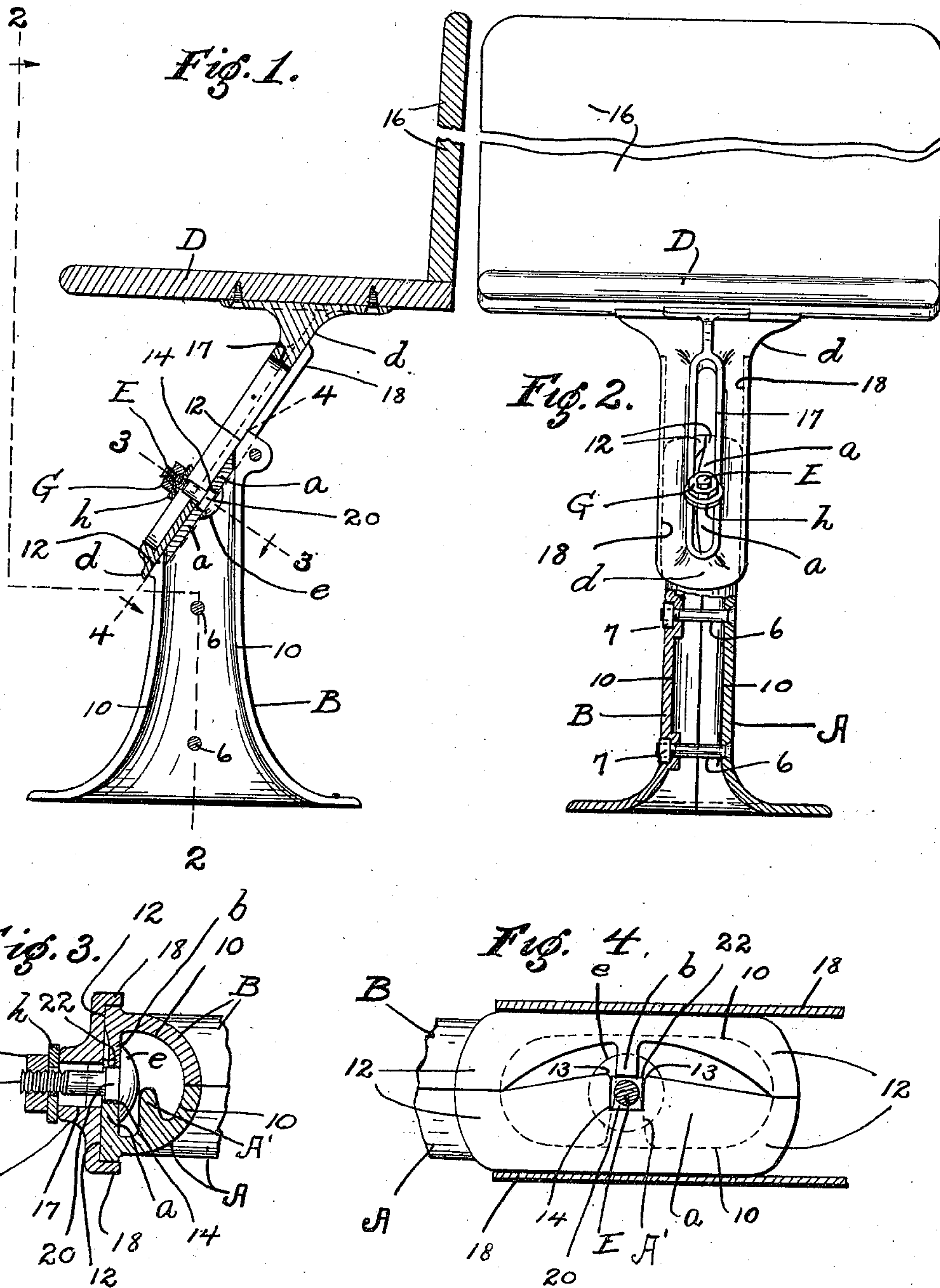


W. B. COGGER.
SCHOOL SEAT.
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975,019.

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UNITED STATES PATENT OFFICE.

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SCHOOL-SEAT.

975,019.

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To all whom it may concern:

Be it known that I, WILLIAM B. COGGER, a citizen of the United States of America, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in School-Seats; and I 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 pertains to make and use the same.

This invention relates to improvements in school-seats, and pertains more especially to a school-seat comprising a pedestal and a seat-section which is not only adjustable up and down relative to the pedestal, but is shifted forwardly or rearwardly according as the seat-section is lowered or elevated.

One object of this invention is to provide a desirable seat or bearing surface on the pedestal for a depending arm with which the seat-section is provided at its under side.

Another object is to have the said seat-section secured in the desired adjustment by simple and efficient means comprising a suitably applied bolt and nut mounted on the shank of the bolt, and to provide the pedestal with simple and efficient means instrumental in preventing turning of the bolt during the manipulation of the nut.

Another object is to have my improved school-seat comprise a light interiorly hollow pedestal provided on top with a forwardly and upwardly facing inclined seat and divided substantially centrally and vertically into two sections, and to have the seat-section of the school-seat not only arranged above the pedestal but provided at its under side with a forwardly and downwardly projecting arm which rests upon and is adjustable up and down the aforesaid inclined seat of the pedestal, and to inexpensively, efficiently and conveniently secure the said arm in the desired adjustment of the seat-section to both pedestal-sections.

Another object is to provide simple and efficient means for preventing displacement of the aforesaid bolt relative to the pedestal upon removing or withdrawing the said nut.

With these objects in view, and to the end of attaining other advantages hereinafter appearing, this invention consists in certain features of construction, and combinations of parts, hereinafter described, pointed out

in the claims, and illustrated in the accompanying drawings.

In the said drawings, Figure 1 is a right-hand side view in central vertical section of an adjustable school-seat embodying my invention. Fig. 2 is a section taken along line 2—2, Fig. 1, looking rearwardly. Fig. 3 is a section on line 3—3, Fig. 1, looking in the direction indicated by the arrow. Fig. 4 is a section on line 4—4, Fig. 1, looking in the direction indicated by the arrow. Figs. 3 and 4 are drawn on a larger scale than Figs. 1 and 2, and portions are broken away in Figs. 1 and 2 to reduce the size of the figures.

My improved school-seat comprises an interiorly hollow pedestal which is provided interiorly with a chamber 10 which extends from the upper end to the lower end of the pedestal. The pedestal is divided substantially centrally between its sides and vertically into two sections A and B. The pedestal is provided at its upper end,—that is, on top of the pedestal,—with a forwardly and upwardly facing inclined seat 12 which is partially formed on each pedestal-section. The pedestal-sections A and B are removably secured together by suitably applied bolts 6 and nuts 7. The pedestal-section A is provided at its upper end and internally with a laterally and inwardly projecting flange *a* which slants to correspond with the inclination of the seat 12 and forms an enlargement of the said seat. The flange *a* projects inwardly, as at 13, (see Fig. 4) to a point a suitable distance beyond a point centrally between the pedestal-sections A and B. The flange *a* is provided substantially centrally between the upper and lower ends of the seat 12 with an angular recess 14 which extends through the flange and is open at the side adjacent the pedestal-section B. The pedestal-section B is provided at its upper end and opposite the recess 14 with a laterally and inwardly projecting lug *b* which is arranged to form an enlargement of the seat 12.

D indicates a seat-section which is shown provided with a back 16 and is arranged above and adjustable up and down relative to the pedestal. The seat-section D is provided at its under side with a forwardly and downwardly projecting arm *d* which rests upon and is adjustable up and down the in-

clined seat 12 of the pedestal, which arm is provided centrally between its side edges with a slot 17 arranged longitudinally of the arm and in registry with the recess 14.

- 5 Means for guiding the arm *d* during a re-adjustment of the seat-section D are provided and preferably comprise two laterally spaced parallel flanges 18 and 18 which are formed on and project downwardly from
10 and extend longitudinally of the said arm and overlap opposite side edges respectively of the seat 12, which edges are of course parallel and incline to correspond with the inclination of the seat 12.
- 15 Simple, efficient and convenient means for securing the arm *d* to the pedestal in the desired adjustment of the seat-section D are provided and comprise a bolt E, a nut G and a washer *h*. The bolt E has a head *e*
20 which overlaps and is arranged to bear against the under sides of the flange *a* and lug *b*. The shank of the bolt E extends through the recess 14 and slot 17 and a suitable distance upwardly beyond the upper
25 side of the arm *d*, and the nut G is mounted on the said shank at the said side of the said arm, and the washer *h* is interposed between the said nut and the said arm. Obviously upon having manipulated the nut G to
30 tighten the washer *h* against the arm *d* the said arm is clamped or secured to the flange *a* and lug *b* of the pedestal, and by manipulating the nut to loosen the washer *h* relative to the arm *d* and to loosen the head *e*
35 of the bolt relative to the flange *a* and lug *b* the said arm is loosened relative to the pedestal and thereby rendered free to be adjusted endwise as required to readjust the seat-section D.
- 40 The shank of the bolt E has an angular portion 20 next the head *e* of the bolt, which portion engages the recess 14 and conforms to the walls of the said recess so as to prevent turning of the bolt during
45 the manipulation of the nut. The angular portion 20 of the shank of the bolt has a flat side 22 arranged opposite and overlapped by the lug *b* which therefore co-operates with the said angular portion of
50 the shank in preventing turning of the bolt during the manipulation of the nut. It will be observed therefore that the bolt E, not being able to turn with the nut G during the manipulation of the nut, is shifted
55 endwise and upwardly or outwardly to cause the head of the bolt to clamp the inner side of the inwardly projecting members *a* and *b* of the pedestal-sections during the manipulation of the nut in the direction
60 required to tighten the nut, and hence the said nut, the washer *h* and the said bolt constitute means whereby the arm *d* is clamped to both of the said projecting members of the pedestal-sections.
- 65 By the construction hereinbefore de-

scribed it will be observed that the seat-section D is shifted forwardly or rearwardly according as its arm *d* is readjusted endwise on the inclined seat 12 of the pedestal in the one or the other direction. 70

The pedestal-section A is provided internally with a lug A' between which and the flange *a* the head *e* of the bolt is interposed. The bolt-head *e* is therefore overlapped by the lug A' which obviously prevents endwise displacement of the bolt inwardly upon withdrawing the nut G, and it will be observed therefore that the bolt should the said nut be removed from the bolt can not possibly become lost. 80

I would here remark that not unimportant is the provision of the pedestal at its upper end with the two inwardly projecting members *a* and *b* arranged opposite each other and formed on opposite pedestal-sections A and B respectively, and in providing a construction comprising a single bolt extending between the said projecting members of the pedestal and instrumental in clamping or securing the seat-arm *d* to both of the said projecting members so that the said arm, when the seat-section D is secured in the desired adjustment, is efficiently held to both pedestal-sections. 85 90

What I claim is:— 95

1. In a school-seat, an interiorly hollow pedestal provided on top with a forwardly and upwardly facing inclined seat and divided substantially centrally and vertically into two sections, said pedestal being provided at its upper end and internally with two oppositely arranged inwardly projecting members formed on opposite pedestal-sections respectively; a seat-section arranged above the pedestal and provided at its under side with a forwardly and downwardly projecting arm which rests on and is adjustable up and down the aforesaid inclined seat of the pedestal, which arm is provided with a slot arranged longitudinally of the arm; a bolt having its shank extending through the slot and between the aforesaid projecting members of the pedestal-sections, said bolt having a head overlapping the under sides of the said projecting members, and means whereby the aforesaid arm is clamped against the aforesaid inclined seat of the pedestal and the said bolt is tightened at its head against the said sides of the said projecting members of the pedestal. 100 105 110 115 120

2. In a school-seat, an interiorly hollow pedestal provided on top with a forwardly and upwardly facing inclined seat and divided substantially centrally and vertically into two sections which are secured together, one of the pedestal-sections being provided at its upper end with a laterally and inwardly projecting flange, and the other pedestal-section being provided at its upper end and adjacent the central portion of the said 125 130

flange with a laterally and inwardly projecting lug; a seat-section arranged above the pedestal and provided at its under side with a forwardly and downwardly projecting arm which rests upon and is adjustable up and down the aforesaid inclined seat of the pedestal, and means for securing the said arm in the desired adjustment of the seat-section to the aforesaid lug and flange.

3. In a school-seat, an interiorly hollow pedestal provided on top with a forwardly and upwardly facing inclined seat and divided substantially centrally and vertically into two sections, one of the pedestal-sections being provided at its upper end with a laterally and inwardly projecting flange having a recess which extends through the flange and is open at the side adjacent the other pedestal-section; a seat-section arranged above the pedestal and provided at its under side with a forwardly and downwardly projecting arm which rests on and is adjustable up and down the aforesaid inclined seat of the pedestal, which arm is provided with a slot arranged longitudinally of the arm and in registry with the aforesaid recess; a bolt having its shank extending through the said recess and through the said slot, which bolt has a head overlapping the under side of the aforesaid flange, and means whereby the said bolt is tightened at its head against the flange and the aforesaid arm is clamped against the aforesaid inclined seat.

4. In a school-seat, an interiorly hollow

pedestal provided on top with a forwardly and upwardly facing inclined seat and divided substantially centrally and vertically into two sections, one of the pedestal-sections being provided at its upper end with a laterally and inwardly projecting flange having a recess which extends through the flange and is open at the side adjacent the other pedestal-section, and the last-mentioned pedestal-section being provided at its upper end and opposite the said recess with a laterally and inwardly projecting lug; a seat-section arranged above the pedestal and provided at its under side with a forwardly and downwardly projecting arm which rests upon and is adjustable up and down the aforesaid inclined seat of the pedestal, which arm is provided with a slot arranged longitudinally of the arm and in registry with the aforesaid recess; a bolt having its shank extending through the said recess and through the said slot, which bolt has a head overlapping the under sides of the aforesaid lug and flange; a nut mounted on the shank of the bolt at the upper side of the aforesaid arm, and a washer interposed between the nut and the said arm.

In testimony whereof, I sign the foregoing specification, in the presence of two witnesses.

WILLIAM B. COGGER.

Witnesses:

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