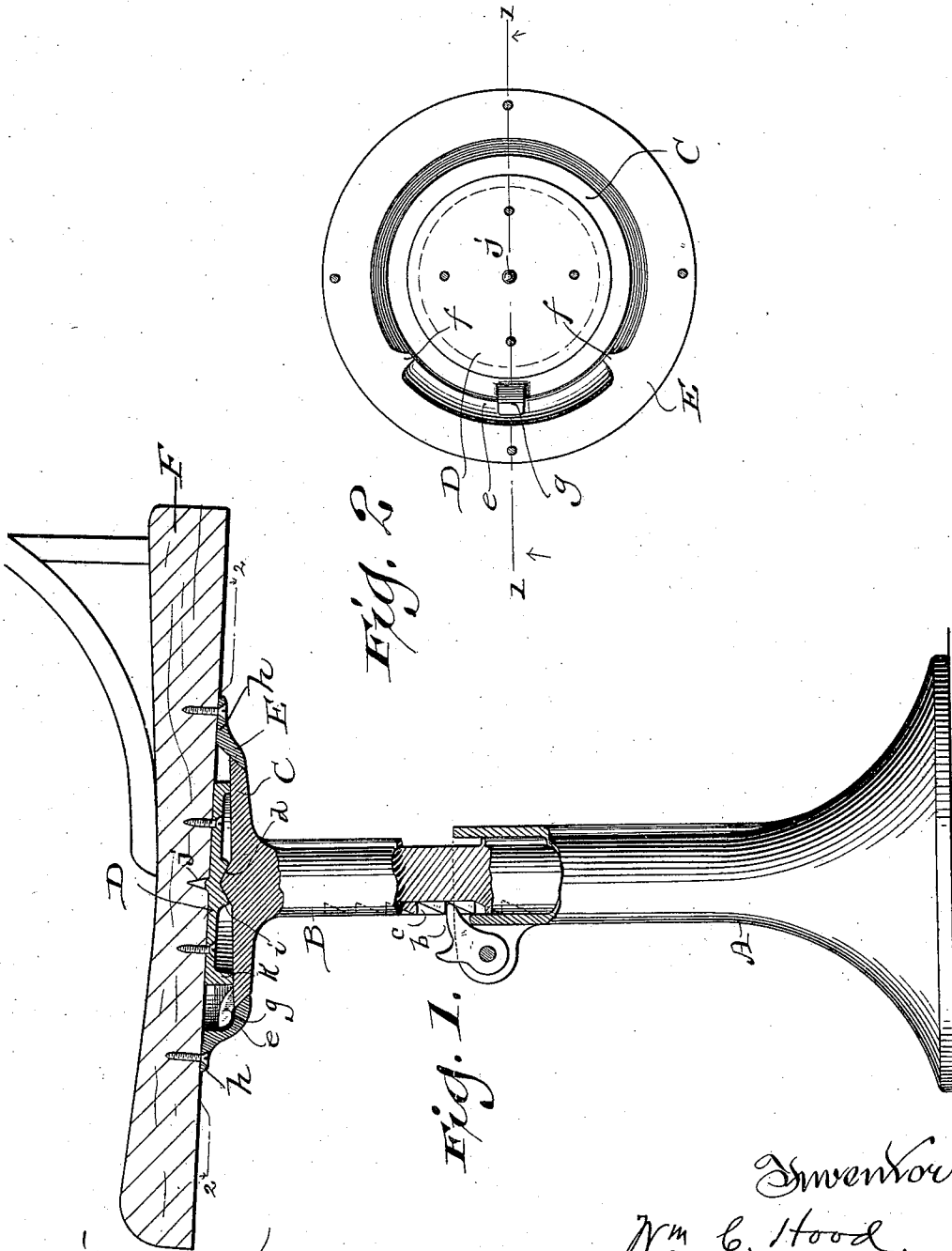


(No Model.)

W. C. HOOD.
SCHOOL SEAT.

No. 574,425.

Patented Jan. 5. 1897.



Witnesses:
Geo. W. Young,
N. E. Oliphant

Inventor:
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UNITED STATES PATENT OFFICE.

WILLIAM C. HOOD, OF RACINE, WISCONSIN, ASSIGNOR TO THE RACINE
HARDWARE COMPANY, OF SAME PLACE.

SCHOOL-SEAT.

SPECIFICATION forming part of Letters Patent No. 574,425, dated January 5, 1897.

Application filed June 26, 1896. Serial No. 596,980. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. HOOD, a citizen of the United States, and a resident of Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in School-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to simplify and cheapen the manufacture of stands for pivotal school-seats and to prevent binding of the seats on their pivots. The invention also contemplates predetermined tilt of the seats, a limitation of their pivotal adjustment, and retention in working position.

In view of the foregoing the aforesaid invention consists in certain peculiarities of construction and combination of parts hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 represents a side elevation, partly in section, on the plane indicated by line 1 1 in the succeeding figure and illustrates a school-seat in connection with my improved stand. Fig. 2 represents a plan view on the horizontal plane indicated by line 2 2 in the preceding figure.

Referring by letter to the drawings, A represents a tubular base provided with a pivotal latch *b* for engagement with a rack *c* of a standard B, splined in said base, and by this construction and arrangement of parts provision is made for vertical adjustment of the seat hereinafter more particularly specified, although the essential features of my improvements are just as applicable in connection with a non-adjustable standard, and the means for obtaining the aforesaid adjustment may be indefinitely varied.

The upper end of the standard is enlarged to form an annular flange or horizontal bearing-surface C, having a bevel edge and conical center lug *d*, the latter being the pivot for a disk D, hereinafter more particularly set forth. The flange or bearing-surface C is herein shown integral with standard B, but it is practical to otherwise provide for rigid union of the two, and the beveled edge of said flange faces a correspondingly-beveled interior of a flanged ring E, the latter being formed with a circumferential recess *e* and lugs *f*, that con-

stitute terminals of the recess, a radial stop *g* on the aforesaid standard-flange being engaged with the recess intermediate of the lugs.

The ring-flange *h* is connected to the under side of a school-seat F by screws or other suitable means, and the disk D is likewise connected to the seat, the under side of this disk being provided with a conically-recessed boss *i*, engaged by the center lug or pivot *d*, above specified, and a point *j* on the upper side of said disk centers the latter upon said seat.

Depending from the disk D is an annular flange *k* of preferably gradually-increasing depth in opposite directions from a predetermined point of its circumference, and said flange bears on the flanged upper end of the aforesaid standard. By having the flange *k* of the disk D concentric with the pivot *d* and in full bearing on the flanged upper end of the standard B it takes the strain that would otherwise come upon said pivot, thereby preventing bind of the seat, and the tilt of the latter is due to the predetermined gradually-increasing depth of said flange.

From the foregoing it will be understood that the disk D and ring E move with seat F, and the pivotal play or rotary adjustment of this seat is limited by the opposition of the stop *g* to the lugs *f* at the extremities of the circumferential recess *e* in said ring. It is also to be observed that the engagement of the ring E with the upper flange portion C of standard A is such as to prevent displacement of seat F when the parts herein set forth are assembled.

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

1. A standard horizontally enlarged at its upper end, a disk in central pivotal connection with the standard but provided with a depending annular flange in bearing contact with the enlargement of said standard concentric to the aforesaid pivotal connection, and a stay-ring encircling said standard enlargement, the disk and stay-ring being for rigid connection with the under side of a seat.
2. A standard horizontally enlarged at its upper end, a disk in central pivotal connection with the standard but provided with a

depending annular flange of gradually-increasing depth in bearing contact with the standard enlargement concentric to the aforesaid pivotal connection, and a stay-ring encircling said standard enlargement, the disk and the stay-ring being for rigid connection with the under side of a seat.

3. A standard horizontally enlarged at its upper end, a disk in central pivotal connection with the standard but provided with a depending annular flange in bearing contact with the standard enlargement concentric to the aforesaid pivotal connection, a stay-ring encircling said standard enlargement, and suitable means for limiting rotary movement of the disk and ring, the latter and said disk being for rigid connection with the under side of a seat.

4. A standard horizontally enlarged at its upper end, a disk in pivotal connection with the standard but provided with a depending annular flange of gradually-increasing depth in bearing contact with the standard enlargement concentric with the aforesaid pivotal connection, a circumferentially-recessed stay-ring encircling said standard enlargement, and suitable means for limiting rotary movement of the disk and ring, the latter and said disk being for rigid connection with the under side of a seat.

5. A standard having an upper horizontal enlargement provided with a radial stop, a disk having central pivotal connection with the standard enlargement as well as a depending annular flange in bearing contact with the same, and a stay-ring that encircles said standard enlargement and has a circumferential recess engaged by the aforesaid stop to be thereby limited in the matter of rotary play, the ring and disk being for rigid connection with the under side of a seat.

6. A standard having an upper horizontal

enlargement provided with a radial stop, a disk having central pivotal connection with the standard enlargement as well as a depending annular flange of gradually-increasing depth in bearing contact with the same, and a stay-ring that encircles said standard enlargement and has a circumferential recess engaged by the aforesaid stop to be thereby limited in the matter of rotary play, the ring and disk being for rigid connection with the under side of a seat.

7. A standard having a bevel-edge horizontal enlargement at its upper end, a disk in central pivotal connection with the standard enlargement but provided with a depending annular flange in bearing contact with the enlargement of said standard concentric to the aforesaid pivotal connection, and an interiorly-beveled ring encircling the bevel edge of said standard enlargement, this ring and said disk being for rigid connection with the under side of a seat.

8. A standard having a beveled-edge horizontal enlargement at its upper end provided with a radial stop, a disk having central pivotal connection with the standard enlargement as well as a depending annular flange of gradually-increasing depth in bearing contact with the same, and a stay-ring that encircles said standard enlargement and has a circumferential recess engaged by the aforesaid stop to be thereby limited in the matter of rotary play, the ring and disk being for rigid connection with the underside of a seat.

In testimony that I claim the foregoing I have hereunto set my hand, at Racine, in the county of Racine and State of Wisconsin, in the presence of two witnesses.

WILLIAM C. HOOD.

Witnesses:

JOHN EVANS,
C. C. NAYLOR.