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R. W. BECK

WEDGE BLOCK LOCK FOR SCHOOL DESKS

Filed March 1, 1924

Fig. 1.

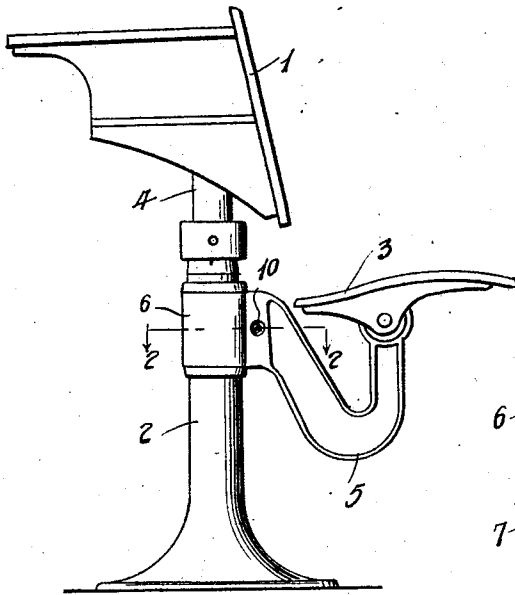


Fig. 3.

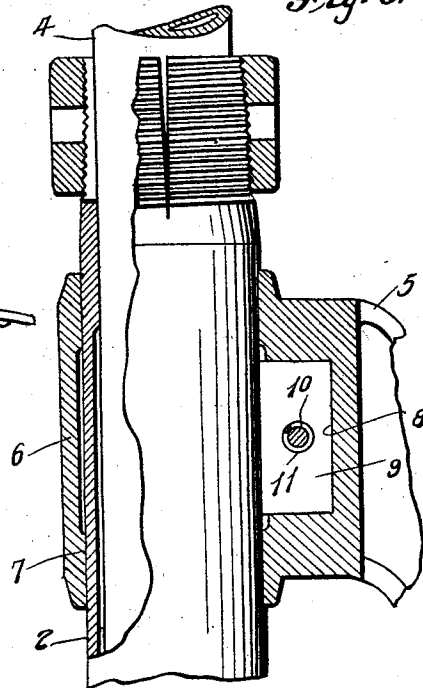


Fig. 2.

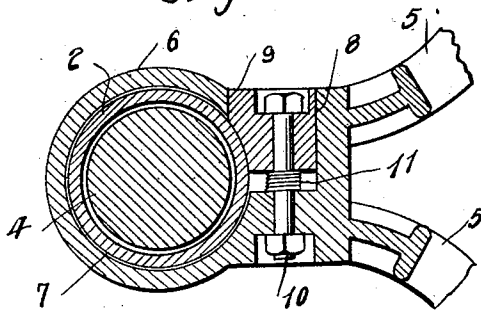


Fig. 4.

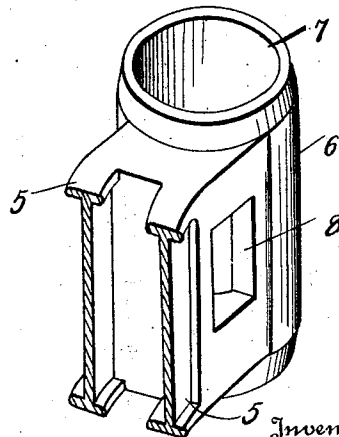
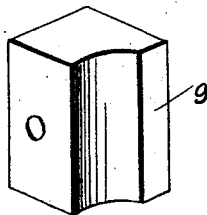


Fig. 5.



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UNITED STATES PATENT OFFICE.

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WEDGE-BLOCK LOCK FOR SCHOOL DESKS.

Application filed March 1, 1924. Serial No. 696,300.

To all whom it may concern:

Be it known that I, ROBERT W. BECK, a citizen of the United States, residing at Lewiston, in the county of Nez Perce and State of Idaho, have invented certain new and useful Improvements in Wedge-Block Locks for School Desks; 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.

The invention has relation to school furniture and more particularly to desks of the type embodying a pedestal and a seat having adjustable connection with the pedestal, and has for its object to simplify and cheapen the construction and materially increase the durability of the seat-carrying arm which is adapted to be secured to the pedestal in the required adjusted position by means of a wedge block which is operable by means of a bolt or analogous fastening.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawings illustrate an embodiment of the invention it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the spirit of the invention.

Referring to the accompanying drawings forming a part of the application:

Figure 1 is a side view of the school desk and seat embodying the invention,

Figure 2 is a detail sectional view on the line 2-2 of Figure 1,

Figure 3 is a detail sectional view of portion of the pedestal seat arm and desk standard,

Figure 4 is a detail perspective view of the shank portion of the seat arm showing more clearly the lateral opening for receiving the wedge block, and

Figure 5 is a detail perspective view of the wedge block.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The desk 1, pedestal 2, seat 3 and desk standard 4 may be of any preferred construction and are illustrated to demonstrate the application of the invention.

In accordance with the present inven-

tion, the seat arm comprises branches 5 to which the seat 3 is pivoted and a shank 6 in which is formed an opening 7 to receive the upper end of the pedestal 2. A lateral opening 8 is formed in a side of the shank 6 and is in communication with the opening 7 and is adapted to receive a wedge block 9, the inner end of which conforms to the curved outline of the pedestal 2 so as to engage the same by a wedging action and secure the seat arm thereto in the required adjusted position. A bolt 10 or analogous fastening passes through registering openings formed in the wedge block 9 and shank 6 and provides for drawing the wedge block into the lateral opening 8 and holding the same in the required adjusted position, thereby securing the seat arm to the pedestal in the located position. A helical spring 11 interposed between the wedge block 9 and shank 6, normally tends to move the wedge block outwardly, whereby to release the seat arm when the bolt 10 or like fastening is loosened.

The construction is such as to admit of the seat arm being readily cast with the two openings 7 and 8 therein, and the wedge block 9 may likewise be cast thereby minimizing the cost of construction, besides providing a seat arm which is substantial and capable of withstanding hard usage without the necessity of the shank portion consisting of a heavy casting. It is also observed that the outer portion of the wedge block 9 and shank 6 are countersunk to receive the head and the nut of the bolt, thereby preventing exposure of the said parts which is objectionable for many reasons because of the liability to catch and tear the clothing and injure the hands, to collect dirt and to be easily tampered with.

What is claimed is:

1. In furniture of the character specified, a pedestal, a seat arm having the outer seat-receiving portion branched or T shaped and the inner portion consisting of a solid shank having an opening to receive the pedestal and a lateral opening in communication with the pedestal-receiving opening, a wedge block in the lateral opening, and fastening means for drawing the wedge block into the opening to wedgingly engage the pedestal and secure the seat arm in the required adjusted position.

2. In furniture of the character specified, a pedestal, a seat arm having the outer seat-receiving portion branched or T shaped and

the inner portion consisting of a solid shank having an opening to receive the pedestal and a lateral opening in communication with the pedestal-receiving opening, a wedge
5 block in the lateral opening, and fastening means for drawing the wedge block into the opening to wedgingly engage the pedestal and secure the seat arm in the required ad-
10 justed position, said fastening means comprising a nut and bolt engaging alined open-

ings in the wedge and shank, the outer faces of the wedge block and shank being countersunk to receive the head and nut of the fastening means.

In testimony whereof I affixed by signature in presence of two witnesses.

ROBERT W. BECK.

Witnesses:

J. M. GILMORE,
W. H. SHIPLEY.