W. C. BEASANT.

COMBINED DESK AND SEAT.

APPLICATION FILED OCT. 9, 1916.

1,306,738.

Patented June 17, 1919.

Fig. 1.

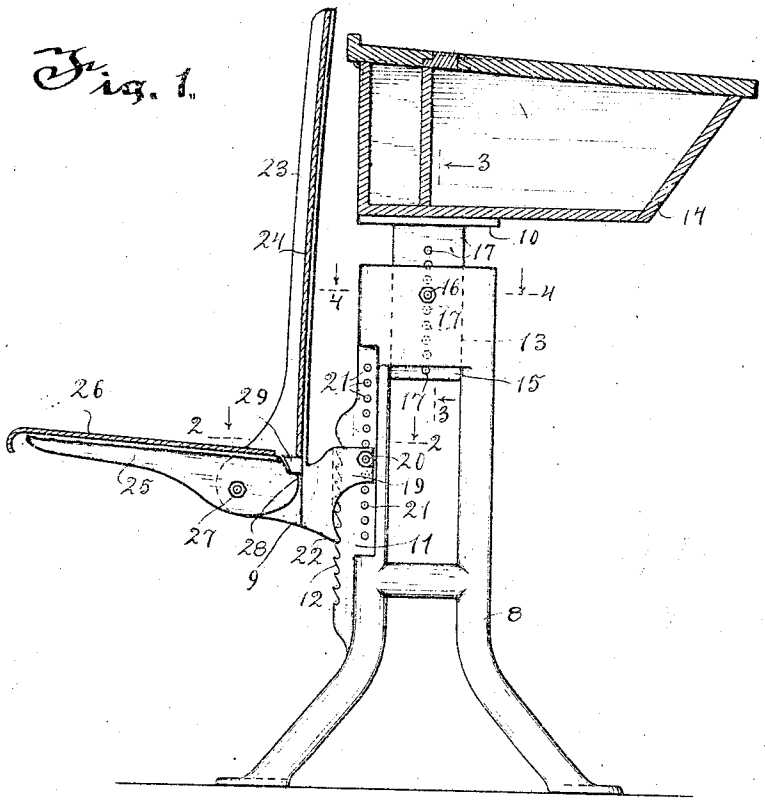


Fig. 3.

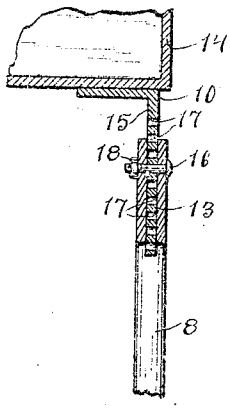


Fig. 2.

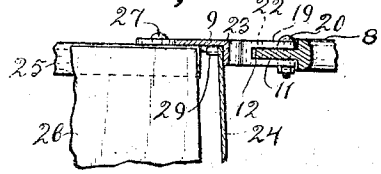
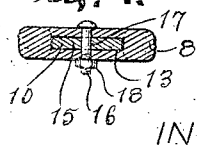


Fig. 4.



INVENTOR

Walter C. Beasant

Morsell, Keeney & French,

ATTORNEYS

UNITED STATES PATENT OFFICE.

WALTER C. BEASANT, OF MANITOWOC, WISCONSIN.

COMBINED DESK AND SEAT.

1,306,738. Specification of Letters Patent. Patented June 17, 1919.

Application filed October 9, 1916. Serial No. 124,471.

To all whom it may concern:

Be it known that I, WALTER C. BEASANT, a citizen of the United States, and resident of Manitowoc, in the county of Manitowoc and State of Wisconsin, have invented new and useful Improvements in Combined Desks and Seats, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention relates to improvements in a combined desk and seat more particularly adapted for school use.

It is one of the objects of the present invention to provide a combined desk and seat in which the desk or seat portion may be independently and easily adjusted as to height in a very simple manner.

A further object of the invention is to provide a combined desk and seat in which the adjustable parts are maintained in adjusted positions and in which some of the bolts are relieved of the strain of load.

A further object of the invention is to provide a combined desk and seat which is of simple construction, is strong and durable and is well adapted for the purpose described.

With the above and other objects in view the invention consists of the improved combined seat and desk and its parts and combinations as set forth in the claims, and all equivalents thereof.

In the accompanying drawing in which the same reference characters indicate the same parts in all of the views:

Figure 1 is a vertical sectional view of the improved combined desk and seat;

Fig. 2 is a horizontal sectional detail view taken on line 2—2 of Fig. 1;

Fig. 3 is a vertical sectional detail view taken on line 3—3 of Fig. 1; and

Fig. 4 is a horizontal sectional detail view taken on line 4—4 of Fig. 1.

Referring to the drawing the numeral 8 indicates one of a pair of standards, 9 one of a pair of seat frames and 10 one of a pair of desk frames. The standards 8 are adapted to be bolted to the floor in spaced relation and are each provided along their front vertical edge portions 11 with rack teeth 12 and at their upper end portions with vertically extending elongated slots or openings 13.

The desk frames 10 are each bolted to the under side of the desk 14 and the depending stems 15 thereof, which are of rectangular form in cross section, slidably extend through the elongated slots 13 and are adjustably secured to the respective standards by bolts 16 which respectively extend through the side walls of the standards and through one of a series of openings 17 provided in each stem. The series of openings extend in vertical lines to permit the vertical adjustment of the desk by the two bolts. Nuts 18 are provided for the bolts 16.

The rear portion 19 of each seat frame is bifurcated and straddles the front edge portion 11 of its respective standard and is connected thereto by a bolt 20 which extends through the bifurcated portion 19 and through one of the series of openings 21 provided in the standard. The openings 21 are arranged in vertical lines so that the height of the seat may be adjusted by extending the bolt through any of the openings.

In order to relieve the bolts 20 of the strain of supporting the weight of a person sitting upon the seat the seat frames 9 are provided at their lower end portions with projecting lugs 22 which engage respectively the teeth 12 of the standards 8. As the lugs extend downwardly and the teeth upwardly the bolts will be to a large extent relieved of the strain of the load.

Each seat frame 9 is formed with upstanding back arms 23 on which the seat back 24 is mounted and also with seat arms 25 on which the seat 26 is supported. The seat arms are pivotally connected to seat brackets 9 by pivot bolts 27 and are arranged to permit the arms and the seat mounted thereon to be swung to a vertical or closed position. Shoulders 28 formed on the inner ends of the seat arms engage stop lugs 29 formed on the seat brackets when the seat is swung downwardly to hold the seat in proper position.

As the desk and seat frames only require four bolts to connect them to the standards the parts may be easily and quickly removed from the standards in the event that it is desired to provide room for thoroughly cleaning the floor beneath the desk and seat.

From the foregoing description it will be seen that the combined desk and seat is of very simple construction and is well adapted for the purpose described.

What I claim as my invention is:

1. A device of the character described,

comprising spaced standards each having a series of teeth on one edge and a series of through openings arranged in parallel relation to said teeth and spaced a distance apart equal to the length of each tooth, and seat-frames each having a single projecting lug to engage any one of the teeth, and also a rear portion located above said lug and provided with openings adapted to aline with one of the through openings of the standard when said projecting lug is engaged with one of said teeth, bolts for engaging the openings in the seat frames and the registering openings in the standards, said seat frames being freely detachable from the standards at any point of attachment after the securing bolts have been removed, and said projecting lugs and teeth being constructed to partially support the loads imposed upon the seat and also to provide an initial support while the holding bolts are being secured in place.

2. A device of the character described, comprising spaced standards each having an intermediate portion formed relatively narrower than the thickness of the standard, each of said intermediate portions being provided with a series of teeth on its edge and a series of through openings arranged in parallel relation to said teeth and spaced a distance apart equal to the length of the teeth, seat-frames each provided with a single projecting lug constructed to bear downwardly on any one of the teeth, and a bifurcated edge portion to embrace the relatively narrow intermediate portion of the standards above said projecting lug, and also provided with openings formed to aline with the openings in the intermediate portion when the projecting lug is engaged with one of the teeth, bolts for engaging the openings in the seat-frames and standards, and a seat carried by the seat-frames.

In testimony whereof, I affix my signature.

WALTER C. BEASANT.