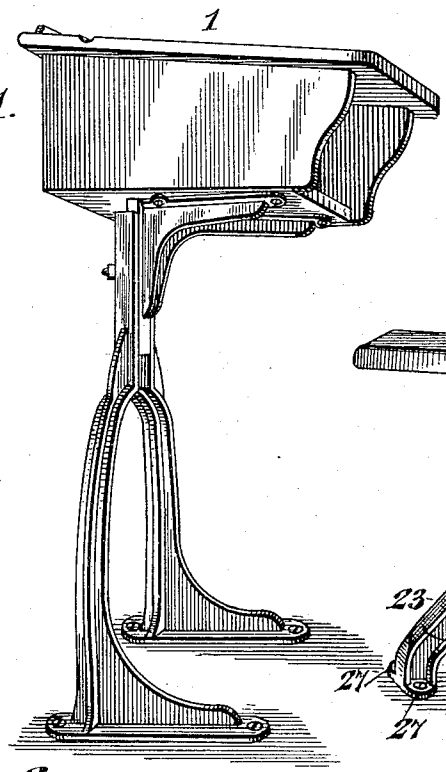
E. H. BARTON & G. W. MORRISON.

ADJUSTABLE SCHOOL CHAIR.

APPLICATION FILED MAR. 25, 1914.

1,200,693. Patented Oct. 10, 1916.

Fig. 1.



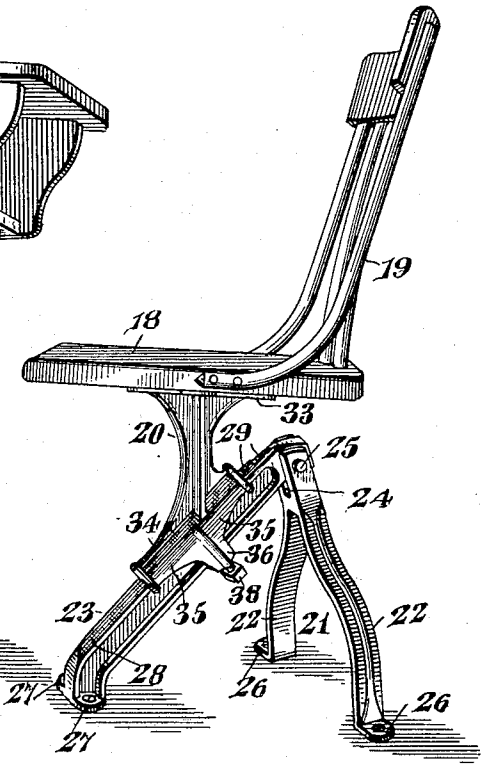




Fig. 2.

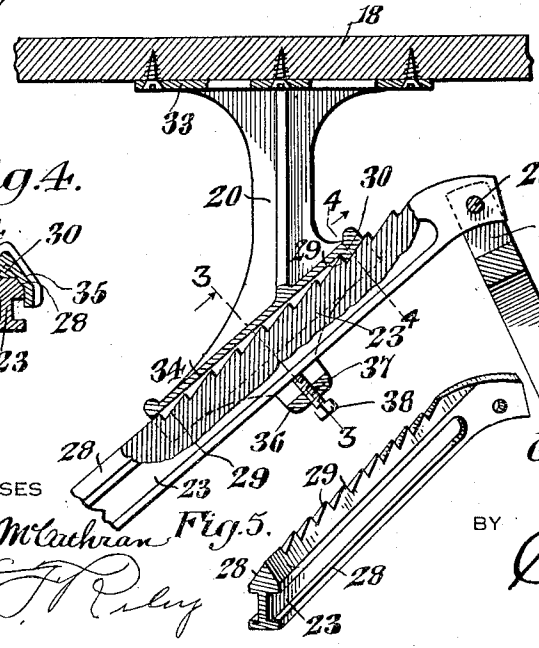



Fig. 3.

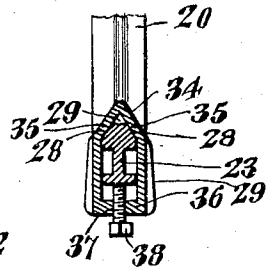



Fig. 4.




Fig. 5.




WITNESSES

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# UNITED STATES PATENT OFFICE.

EDWARD H. BARTON AND GEORGE W. MORRISON, OF SPOKANE, WASHINGTON.

## ADJUSTABLE SCHOOL-CHAIR.

1,200,693. Specification of Letters Patent. Patented Oct. 10, 1916.

Application filed March 25, 1914. Serial No. 827,200.

*To all whom it may concern:*

Be it known that we, EDWARD H. BARTON and GEORGE W. MORRISON, citizens of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented a new and useful Adjustable School-Chair, of which the following is a specification.

The invention relates to improvements in school chairs.

The object of the present invention is to improve the construction of school chairs and to provide a strong, durable, and rigid adjustable school chair, characterized by simplicity and ease of adjustment to suit the requirements of different pupils, and equipped with a seat which will be slidable backwardly and forwardly simultaneously with its upward and downward adjustment, whereby the adjustable chair will fit more nearly both large and small pupils.

A further object of the invention is to provide an adjustable school chair adapted to permit a pupil to sit with his feet on the floor, and with the desk neither too high nor too low.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is a perspective view of an adjustable chair constructed in accordance with this invention. Fig. 2 is an enlarged vertical longitudinal sectional view of a portion of the chair. Fig. 3 is a detail sectional view on the line 3—3 of Fig. 2. Fig. 4 is a similar view on the line 4—4 of Fig. 2. Fig. 5 is a sectional perspective view of the front leg of the tripod.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

In the accompanying drawings, in which is illustrated the preferred embodiment of the invention, 1 designates the desk proper, designed to be constructed in any suitable manner.

The special construction of the desk is not claimed herein.

The adjustable chair comprises, in its construction, a seat 18 having a back 19, a seat supporting standard 20, and a tripod or support 21 on which the standard is adjustably mounted. The tripod 21 is composed of upwardly converging rear side legs 22 and an inclined front leg 23. The side legs 22, which are arranged at a forward inclination, are preferably formed integral with each other, and consist of a single casting, the upper connected portion of the rear legs being provided with a bifurcation 24 in which the upper rear end of the inclined leg 23 is pivoted by a transverse pin or bolt 25. The lower terminals of the rear legs 22 are extended laterally to form attaching portions or feet 26 which are secured by screws or other suitable fastening means to the floor or other supporting surface, and the lower end of the front inclined leg of the tripod is provided with laterally projecting ears or lugs 27 which are screwed or otherwise secured to the floor. The pivotal connection between the upper ends of the front and rear legs of the tripod raises and lowers the seat and provides a quick adjustment for enabling the same to be arranged approximately the desired height. After a preliminary adjustment of the chair by means of the pivoted front and rear legs of the tripod, a final adjustment and an accurate positioning of the seat of the chair may be obtained by adjusting the standard along the front leg by the means hereinafter described.

The front leg, which is preferably provided at opposite sides with laterally extending flanges, is oppositely beveled at its upper edge, and the latter is approximately triangular in cross section above the upper flange, as clearly illustrated in Fig. 5 of the drawings. The said oppositely beveled upper edge 28 is provided with a longitudinal series of teeth 29 formed by notching or recessing the upper edge 28, and adapted to be engaged by a lug or tooth 30 of the seat supporting standard 20. The teeth 29 are shouldered at their upper ends and have their points arranged in alinement with the apex of the laterally tapered upper edge of the front leg. The seat supporting standard, which is preferably flanged, as shown, is provided at the top with a horizontal attaching flange 33 which is secured by screws

or other suitable fastening devices to the seat 18. The standard 20 is provided at its lower end with a slidable foot 34 arranged at an inclination to correspond to the inclination of the front leg 23, and provided with laterally inclined side flanges 35 which are tapered toward the center and connected thereat by a transverse portion 36 to form a central sleeve for embracing and slidably receiving the inclined leg 23 of the tripod. The inclined foot or slide presents smooth upper and side faces to the inclined leg of the standard, and it is provided at its upper or rear end with the lug or tooth 30 for engaging the teeth 29 of the inclined leg of the tripod. The tooth 30 is arranged interiorly of the foot 34 and it is shouldered at its lower end to engage with the shoulders of the teeth 29. The transverse connecting portion 36 of the slidable foot or shoe is provided with a threaded perforation 37 for the reception of a clamping screw 38 which is adapted to engage the rear face of the inclined leg for maintaining the lug or tooth of the standard in engagement with the tripod. Only a slight tightening of the clamping screw 38 is necessary to maintain the standard in its adjustment.

The individual adjustable chair is adapted to be arranged easily and quickly adjusted to suit pupils of different sizes. The seat of the chair, in its upward and downward movement, is simultaneously carried backwardly and forwardly, so as to arrange it close to the desk for smaller pupils, and farther away from the desk for larger pupils. The said school desk and chair are sanitary, as there is no place for dust and dirt to accumulate, and they economize floor space, as only a minimum amount of such space is required.

What is claimed is:

1. An adjustable chair including a support having an inclined leg provided at its upper edge with notches or recesses, a seat supporting standard provided at its lower end with an inclined shoe consisting of a sleeve through which the said inclined leg passes, said shoe being provided at its upper portion with an integral downwardly projecting tooth engaging in one of the notches or recesses at one side of the standard when the sleeve is in its normal position, and releasable means for holding the tooth of the shoe in one of the notches, said means being applied to the shoe and engaging the under side of the inclined leg at a point below the tooth in the vertical plane of the standard.

2. An adjustable chair including a support having an inclined leg provided at its upper edge with notches or recesses, a seat supporting standard provided at its lower end with an inclined shoe having a sleeve and through which the inclined leg of the support passes, said shoe being also provided at its upper portion with an integral downwardly projecting lug or tooth engaging one of the notches or recesses of the inclined leg when the shoe is in its normal position, and a fastening device carried by the sleeve and engaging the inclined leg at the underside thereof to releasably maintain the said lug or tooth in engagement with one of the said notches or recesses.

3. An adjustable chair including a support having an inclined leg provided with an oppositely beveled upper edge, the latter being notched or recessed to form teeth, and a seat supporting standard provided at the lower end with an inclined shoe having laterally inclined sides fitting the oppositely beveled upper edge of the leg, said shoe being provided with a rigid tooth engaging the teeth of the said leg when the shoe is in its normal position and releasable means for holding the tooth of the shoe in one of the notches.

4. An adjustable chair including a tripod comprising inclined rear legs connected at their upper ends and provided at the top with a bifurcation, an inclined front leg pivoted in the bifurcation of the rear legs, said legs being relatively adjustable to arrange the front leg at the desired inclination, a seat, a standard carrying the seat and provided at the lower end with an inclined shoe slidably fitting the inclined front leg of the tripod, and movable upwardly and downwardly along the same, and means for securing the shoe in its adjustment.

In testimony, that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

EDWARD H. BARTON.
GEORGE W. MORRISON.

Witnesses:
J. L. MUNSON,
EARL D. SMITH.

**Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."**