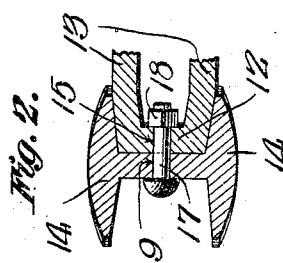
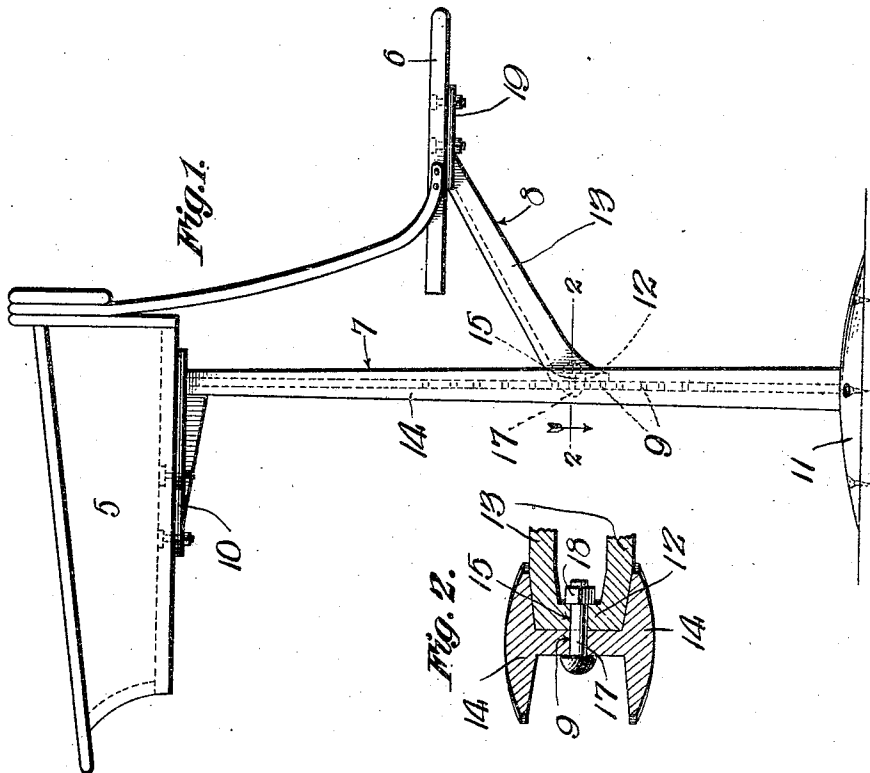
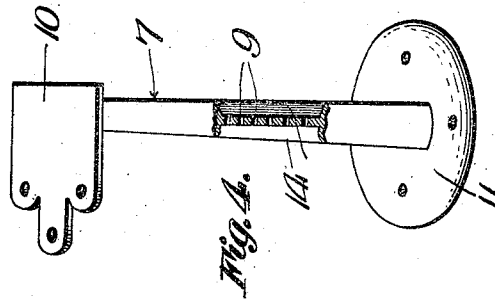
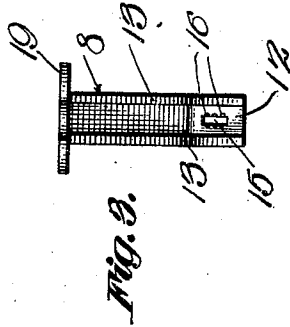


F. F. KÖHLER.
SCHOOL FURNITURE.
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944,445.

Patented Dec. 28, 1909.



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UNITED STATES PATENT OFFICE.

FRANK F. KOHLER, OF SOUTH ZANESVILLE, OHIO.

SCHOOL FURNITURE.

944,445.

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To all whom it may concern:

Be it known that I, FRANK F. KOHLER, a citizen of the United States, residing at South Zanesville, in the county of Muskingum, State of Ohio, have invented certain new and useful Improvements in School Furniture; 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 present invention relates to improvements in school furniture, and more particularly in combined desks and chairs, and it has for its chief object the provision of an extremely simple, durable and effective article of furniture of the above specified type in which the chair member is adjustable with reference to the desk member and is so constructed as to admit of its complete retention in adjusted position.

To this end, the invention resides in the formation of both the desk and chair supports of channel iron, and in providing the latter support at its lower end with an offset attaching portion, whose side flanges are arranged to fit directly against those of the first-mentioned support, thus preventing any lateral shifting movement of the chair support and strengthening the same at such point.

The invention also resides in the substitution of a series of bolt holes for the longitudinal slot ordinarily formed in the desk support, and in slotting the offset portion of the chair support and notching the side edges of the slot.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which corresponding parts are designated by the same reference characters throughout the several views.

Of the drawings, Figure 1 is a side elevation of the invention. Fig. 2 is an enlarged horizontal section taken on the line 2—2 of Fig. 1. Figs. 3 and 4 are detail views respectively of the chair and desk supports, the latter being shown partly in section.

Referring more particularly to the drawings, 5 and 6 designate, respectively, the desk and chair members of the structure, and 7 and 8, the supports to which said members are respectively attached.

The main, or desk support 7 is constructed of channel-iron and is I-shaped in cross section, the central portion thereof being

formed with a longitudinal series of bolt holes 9. At its upper end said support is provided with a flat attaching plate 10 arranged to be bolted to the desk which rests thereupon, while at its lower end, the support has an integral attaching base 11 formed with openings through which pass the attaching bolts employed for fastening the support to the floor of the school-room. The chair support 8 is likewise constructed of channel-iron, but is however, C-shaped in cross section. The lower end of the support is offset, as indicated by the numeral 12, said offset being set at an obtuse angle to the body portion, as shown in Fig. 1. The offset 12 is designed to fit directly against the central or body portion of the main support 7, the side flanges 13 of said offset 12 being arranged for disposition directly against the adjacent side flanges 14 of said main support. The central portion of the offset has a longitudinal slot 15 formed therein, the side edges of the slot being notched, the notches being indicated by the numeral 16. Through this slot and through one of the perforations 9 is arranged to be passed a fastening bolt 17 whose threaded end carries a clamping nut 18, by means of which the two supports are fastened together. The chair 6 is arranged to rest upon and to be bolted to a flat plate 19 formed upon the upper end of the support 8.

Owing to the construction of the supports of channel-iron, it will be obvious that both supports, and especially the chair support, will be materially strengthened, the latter at its weakest point, *i. e.*, the line of demarcation between the body and offset portions thereof. Also, the disposition of the flanged offset portion of the chair support between the side flanges of the main support has the effect of preventing any lateral movement of the first mentioned support relative to said main support. The formation of the slot 15 in the offset 12 has the effect of permitting a slight adjustment of the chair support independent of and in addition to that afforded by the series of bolt holes.

What is claimed, is:—

1. The combination with a desk of a vertical support therefor provided with a longitudinal series of perforations, a chair, a supporting bracket for said chair, a bolt adapted to pass through one of said perforations and to detachably engage the chair supporting bracket, and means for adjust-

ing the chair supporting bracket without changing the position of the bolt with relation to the vertical support.

2. The combination with a desk, of a vertical support therefor constructed of channel-iron having its body portion formed with a longitudinal series of perforations, a chair, a channel-iron support for said chair having its lower end formed with an offset
10 arranged at an angle thereto, a bolt adapted to pass through one of said perforations and to detachably engage the channel-iron support for the chair, whereby said chair

and support may be adjusted with respect to said vertical support by the removal of the bolt from one perforation to another, and means for adjusting said chair and support with respect to said vertical support without removing said bolt from one perforation to another. 15

In testimony whereof, I affix my signature, in presence of two witnesses. 20

FRANK F. KOHLER.

Witnesses:

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