Nov. 7, 1933. G. F. REINHARD 1,933,932

STUDENT DESK

Filed June 15, 1933

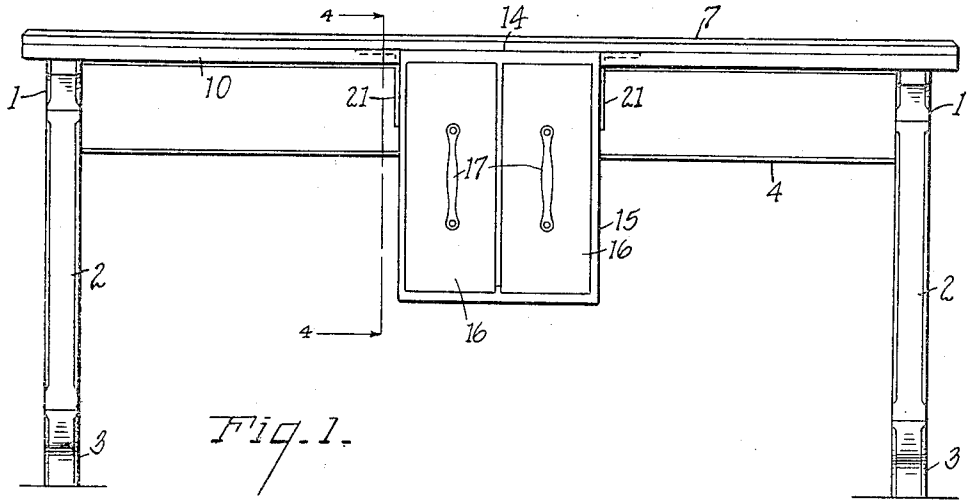


Fig. 1.

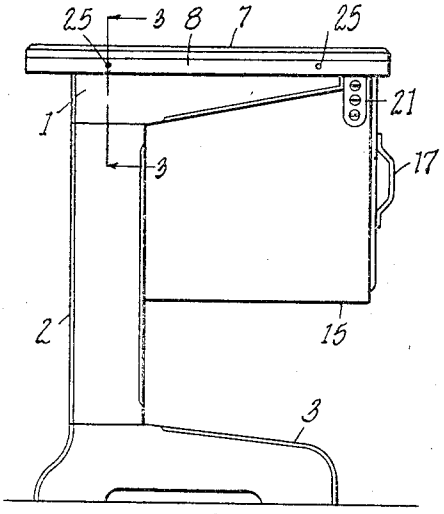


Fig. 2.

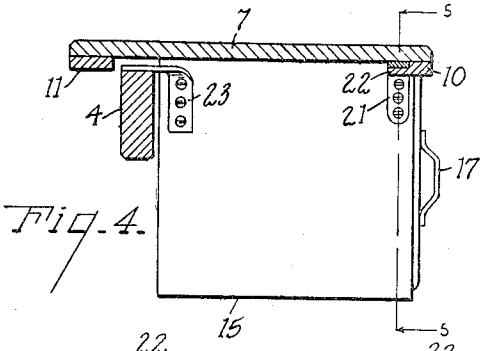


Fig. 4.

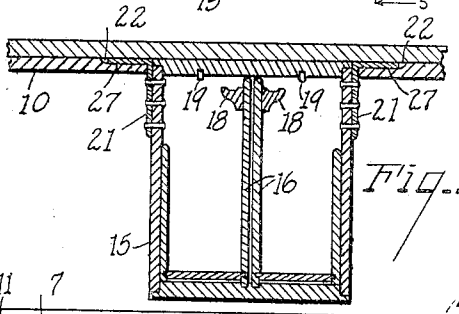


Fig. 5.

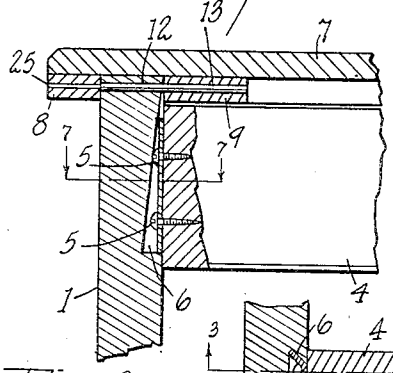


Fig. 3.

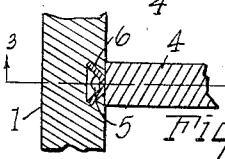


Fig. 7.

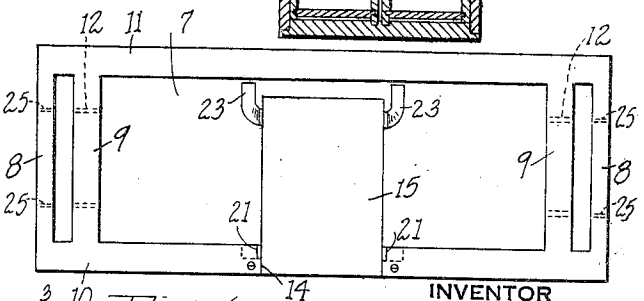


Fig. 6.

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1,933,932

STUDENT DESK

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Application June 15, 1933. Serial No. 675,893

10 Claims. (Cl. 45—6)

The main objects of this invention are:

First, to provide a student's table or desk which is stable and at the same time may be moved freely about for positioning and which is unnecessary to be secured to the floor.

Second, to provide a double student's desk having a substantial area and one in which separation is provided for the students using the table.

Third, to provide a student's table which is very economical in its parts and in which the parts may be shipped in the knockdown and assembled by unskilled workmen and at the same time when assembled is very rigid and is difficult to disassemble without special knowledge of the structure.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a front elevation of my improved student's desk.

Fig. 2 is an end elevation looking from the left of Fig. 1.

Fig. 3 is an enlarged fragmentary section on a line corresponding to line 3—3 of Figs. 2 and 7.

Fig. 4 is a fragmentary section on a line corresponding to line 4—4 of Fig. 1.

Fig. 5 is a fragmentary section on line 5—5 of Fig. 4.

Fig. 6 is an inverted view of the top unit with the drawer cabinet in assembled relation thereto, the pedestals and cross rails being omitted.

Fig. 7 is a fragmentary section on line 7—7 of Fig. 3.

Referring to the drawing, the embodiment of my invention illustrated comprises a pair of end pedestals consisting of the horizontal ped pieces 1, uprights 2, and foot pieces 3. The uprights 2 are arranged at the rear of the bed and foot pieces and are fixedly secured thereto, the connections, however, not being illustrated.

The pedestals constitute complete assembled units. These pedestals are connected by the longitudinal rail 4 which is disposed in the vertical plane of the pedestals. The rail is detachably joined to the pedestals by means of the dovetailed mortices or sockets 5 in the pedestals and the coacting dovetailed tongues or coupling members 6 on the ends of the rail 4. These joint members or couplings are engaged and disengaged by a vertical movement of the rail relative to the pedestals.

The top unit 7 of the table rests upon the bed pieces and is provided with end rim members 8 and cross pieces 9 spaced relative thereto to form recesses or pockets receiving the upper edges of the bed members.

The top unit also has front and rear rim members 10 and 11 respectively. These are preferably fixedly and permanently secured to the top and constitute a part of the top unit.

The cross pieces 9 and the bed pieces have aligned bores 12 for the dowel pins 13 which lock the top in assembled relation upon the pedestals and the top in turn locks the rail 4 in position. These dowel pins are inserted from the inside of the cross pieces so that they are not ordinarily visible.

To facilitate their removal, the end pedestal members are preferably provided with bores 25 adapted to receive the slim rod or wire for driving the dowel pins out of the bores 12 and thereby releasing the top. These bores 25 are relatively small and inconspicuous and, if observed, the purpose thereof is not self-evident.

I provide a drawer cabinet unit consisting of a box-like cabinet 15, the front rim member 10 being cut away at 14 to receive this cabinet, as shown in Fig. 1. The cabinet illustrated is designed to receive a pair of drawers 16 having vertically disposed handles 17. Pencil racks 18 are provided within the drawers which are designed to constitute book trays. The cabinet is provided with stops 19 limiting the outward movement of the drawers or trays.

The drawer unit is supported by means of the front angled brackets 21 which are secured to the sides of the cabinet and have laterally projecting arms which engage recesses 22 provided therefore in the front top rim member 10, these recesses opening at the rear edge of the rim member.

The rear end of the cabinet is supported by means of the angled hangers 23 which are secured to the sides of the box and have rearwardly projecting arms resting on the top of the rail 4.

With the parts thus arranged, the cabinet is assembled with the top unit as shown in Fig. 6 prior to the placing of the rail upon the pedestals and with the parts thus arranged and the top assembled and secured to the pedestals, it is very difficult to remove the cabinet. The brackets are secured to the drawer cabinet by means of rivets so that it is quite impossible to dis-

assemble the drawer unit without practically destroying it until after the top has been removed, and as stated, the top securing means is not obvious on a casual inspection.

I have not attempted to illustrate certain changes and modifications which may be made in the details of construction and design of the above specifically described embodiment of my invention as it is believed that such changes will be readily understood from this disclosure.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, the bed pieces having opposed vertical dovetailed grooves on their inner sides and adjacent the rear ends thereof, a longitudinal rail having dovetailed coupling tongues at its ends engaging said grooves, a top unit resting on said bed pieces and having front and end border members and cross pieces disposed in spaced relation to the end border members to receive the bed pieces between them, the bed pieces and cross pieces having aligned holes, dowel pins arranged in said holes from the inside of the cross pieces whereby the top unit is locked upon the pedestals, the end rim members having holes aligned with said dowel pins to facilitate removal of the dowel pins, a drawer unit comprising a box-like cabinet open at the front to receive the drawers, the front rim member of the top unit being cut away to receive said drawer unit, and angular front and rear hangers mounted on the sides of the cabinet, the rear hangers engaging said longitudinal rail, the front rim member having rearwardly facing recesses receiving the front hangers, the longitudinal rail constituting a stop limiting the rearward movement of the drawer unit and preventing the disengagement of its front hangers from said front rim member.

2. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, the bed pieces having opposed vertical dovetailed grooves on their inner sides and adjacent the rear ends thereof, a longitudinal rail having dovetailed coupling tongues at its ends engaging said grooves, a top unit resting on said bed pieces and having front and end border members and cross pieces disposed in spaced relation to the end border members to receive the bed pieces between them, the bed pieces and cross pieces having aligned holes, and dowel pins arranged in said holes from the inside of the cross pieces whereby the top unit is locked upon the pedestals, the end rim members having holes aligned with said dowel pins to facilitate removal of the dowel pins.

3. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, the bed pieces having opposed vertical dovetailed grooves on their inner sides and adjacent the rear ends thereof, a longitudinal rail having dovetailed coupling tongues at its ends engaging said grooves, a top unit resting on said bed pieces and having front and end border members and cross pieces disposed in spaced relation to the end border members to receive the bed pieces between them, the bed pieces and cross pieces having aligned holes, and dowel pins arranged in said holes from the inside of the cross pieces whereby the top unit is locked upon the pedestals.

4. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, the bed pieces having opposed vertical dovetailed grooves on their inner sides and adjacent the rear ends thereof, a longitudinal rail having dovetailed coupling tongues at its ends engaging said grooves, a top unit locked upon said bed pieces and having a front border member, a centrally positioned drawer unit, the front rim member of the top unit being cut away to receive said drawer unit, and front and rear hangers mounted on the cabinet, the rear hangers engaging said longitudinal rail, the front rim member having rearwardly facing recesses receiving the front hangers, the longitudinal rail constituting a stop limiting the rearward movement of the drawer unit and preventing the disengagement of its front hangers from said rim member.

5. In a student desk, the combination of end pedestals each comprising a horizontal bed piece a foot piece and an upright disposed at the rear ends of said foot and bed piece, the bed pieces having opposed vertical dovetailed grooves on their inner sides and adjacent the rear ends thereof, a longitudinal rail having dovetailed coupling tongues at its ends engaging said grooves, a top unit locked upon said bed pieces and having a front border member, a centrally positioned drawer unit, the front rim member of the top unit being cut away to receive said drawer unit, and front and rear hangers mounted on the cabinet, the rear hangers engaging said longitudinal rail, the front rim member receiving the front hangers.

6. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, a longitudinal rail detachably engageable with said pedestals and positioned at the rear ends of the bed pieces, a top unit resting on said bed pieces and having a front border member, means for locking said top upon the pedestals, the top constituting means for locking the longitudinal rail in engagement with said pedestals, a drawer unit comprising a box-like cabinet open at the front to receive the drawers, the front rim member of the top unit being cut away to receive said drawer unit, and front and rear hangers mounted on the sides of the cabinet, the rear hangers engaging said longitudinal rail, the front rim member having recesses receiving the front hangers, the longitudinal rail constituting a stop limiting the rearward movement of the drawer unit and preventing the disengagement of its front hangers from said rim member.

7. In a student desk, the combination of end pedestals each comprising a horizontal bed piece, a foot piece and an upright disposed at the rear ends of said foot and bed pieces, a longitudinal rail detachably engageable with said pedestals and positioned at the rear ends of the bed pieces, a top unit resting on said bed pieces and having a front border member, means for locking said top upon the pedestals, the top constituting means for locking the longitudinal rail in engagement with said pedestals, a drawer unit

comprising a box-like cabinet open at the front to receive the drawers, the front rim member of the top unit being cut away to receive the said drawer unit, and hangers on the cabinet engaging said longitudinal rail and front rim member.

8. In a student desk, the combination of end pedestals each comprising bed and foot pieces and an upright, a horizontal connecting rail for said uprights detachably engaged therewith and engageable and disengageable by a vertical movement, a top unit supported by said bed pieces and secured thereto by dowel pins inserted from the underside of the top and the inside of the bed pieces, and a cabinet disposed on the underside of the top and centrally thereof, said cabinet being provided with hangers engaging said rail and top, the top and rail coacting to prevent the disengagement of the cabinet hangers while the top is secured upon the pedestals.

9. In a student desk, the combination of end pedestals each comprising bed and foot pieces and an upright, a horizontal connecting rail for said uprights, a top unit supported by said bed pieces and detachably secured thereto, and a cabinet disposed on the underside of the top and centrally thereof, said cabinet being provided with hangers engaging said rail and top. the top and rail coacting to prevent the disengagement of the cabinet hangers while the top is secured upon the pedestals.

10. In a student desk, the combination of end pedestals, a connecting rail for said pedestals, a top unit supported by said pedestals, and a cabinet disposed on the underside of the top and being provided with hangers engaging said rail and top, the top and rail coacting to prevent the disengagement of the cabinet hangers while the top is in place.

GEORGE F. REINHARD.