

United States Patent

[11] 3,588,211

[72] Inventor **Bruce R. Ogden**
Marrickville, New South Wales, Australia
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[73] Assignee **Claude R. Ogden & Co. Pty. Limited**
Marrickville, Australia
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[33] **Australia**
[31] **31,632**

[54] **DESK**
3 Claims, 3 Drawing Figs.

[52] U.S. Cl. **312/194**
[51] Int. Cl. **A47b 17/00**

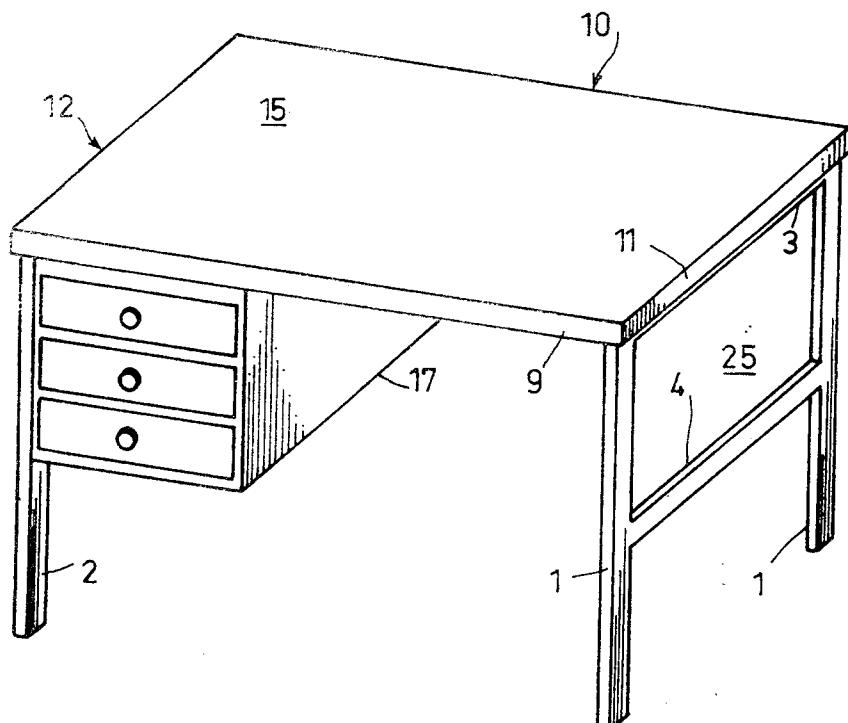
[50] **Field of Search** **312/194,**
239, 21, 107, 294, 314

[56] **References Cited**
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Primary Examiner—Patrick D. Lawson
Attorneys—Emory L. Groff and Emory L. Groff, Jr.

ABSTRACT: A desk having a wooden top on a tubular metal frame, a chest of drawers at one or both ends of the desk fixed to the frame and the top and a back panel fixed to the frame and the chest(s) of drawers.



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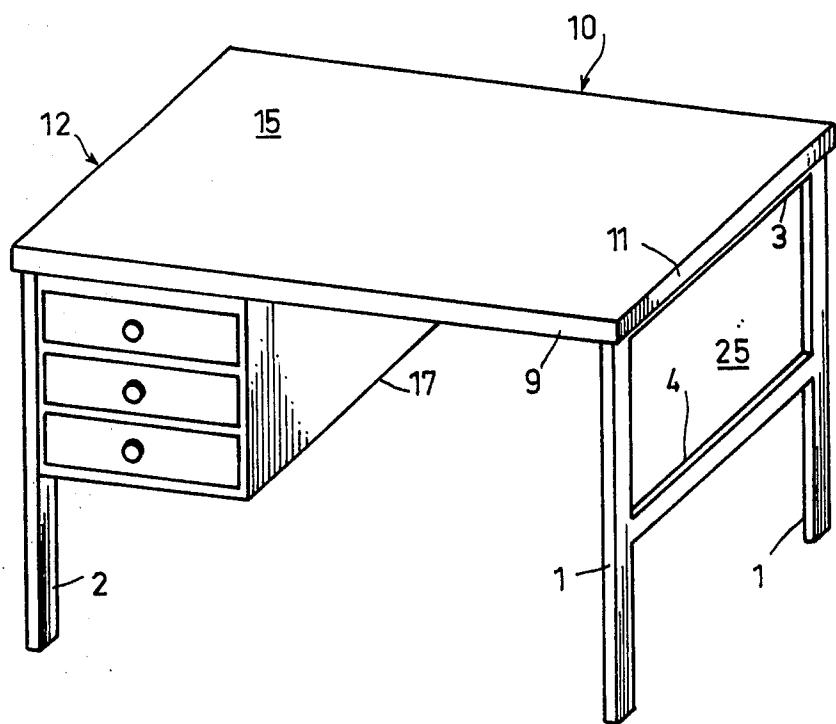


FIG. 1.

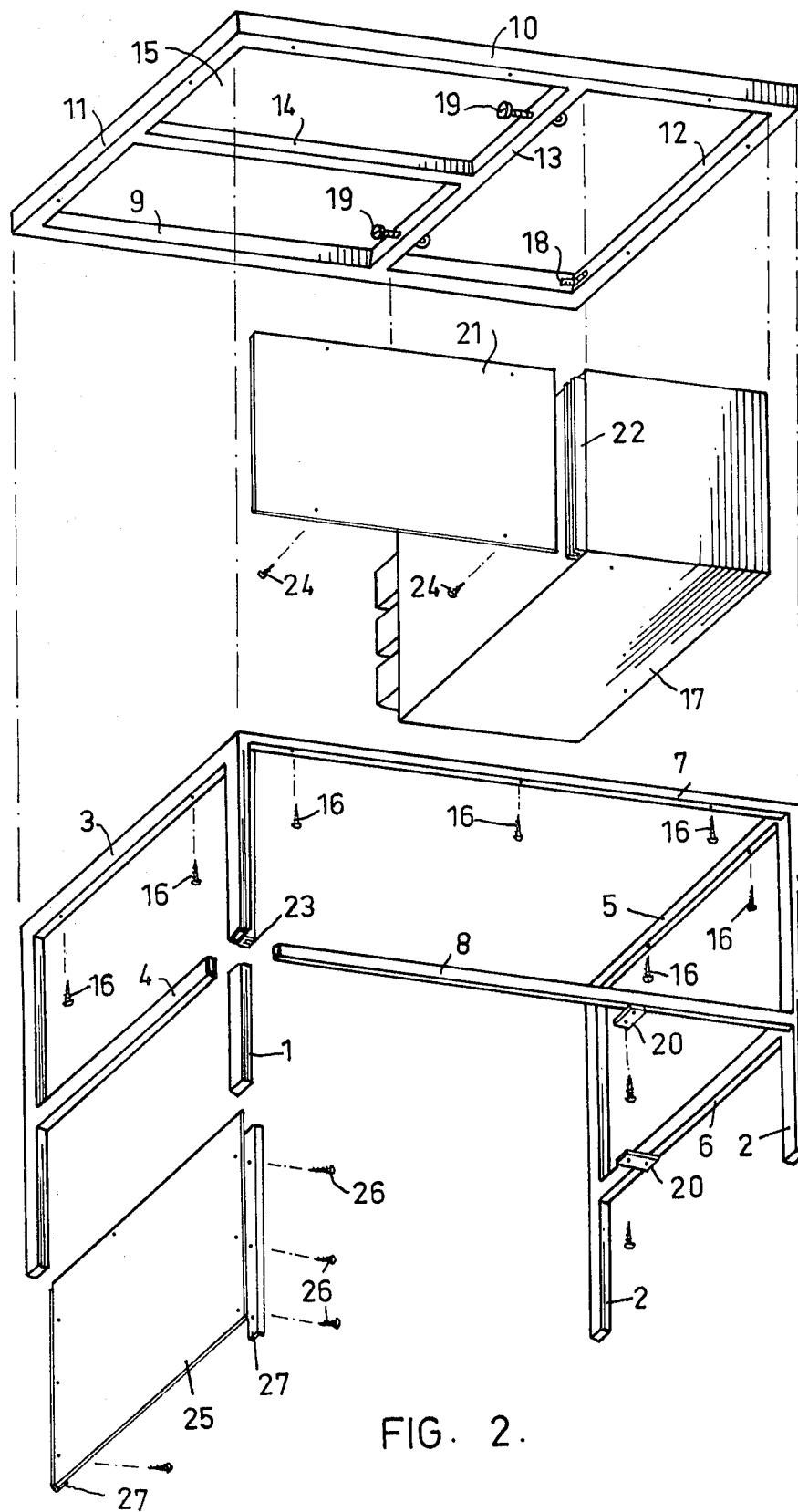


FIG. 2.

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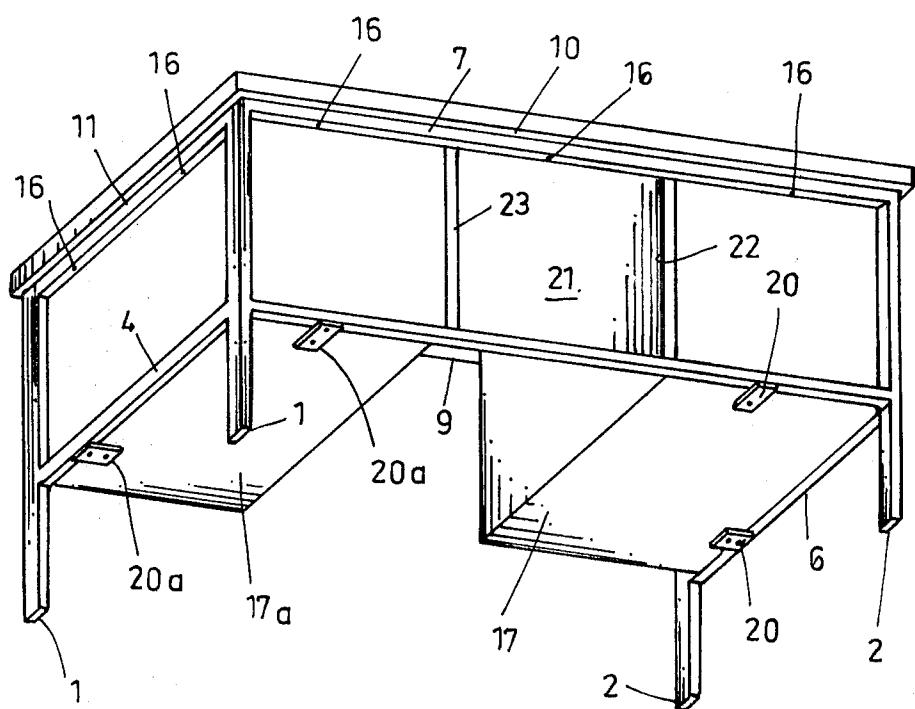


FIG. 3.

DESK

This invention relates to Those desks which have a drawer unit attached to the desk frame at one end or two drawer units attached at the respective ends and opening to one side. The desk subject of our Australian Pat. No. 238,975 is an example of the single drawer unit type.

This invention provides a desk comprising a main frame incorporating legs, a desk top fixed to the main frame, one or two drawer units respectively fixed to the top and to the main frame at one or both ends thereof, said main frame being fabricated from rectangular metal tubing to provide two pairs of legs with the legs of each pair joined by a top and a secondary end rail and the pairs of legs having back legs joined by a top and a secondary back rail; a rectangular desk top fabricated from wood and comprising a pair of longitudinal rails, transverse end rails and an intermediate transverse rail or rails corresponding in number to the drawer units, a desk top panel fixed to the rails; each said drawer unit being fixed to lugs on the secondary back rail and a secondary end rail and being held against a desk top end rail by clamping means in its associated intermediate desk top transverse rail; a back panel being mounted by its ends in channel members fixed to the assembled parts.

One embodiment of the invention is described with reference to the accompanying drawings in which:

FIG. 1 is a perspective front view of a one drawer unit desk, and

FIG. 2 is an exploded perspective back view of the components of the desk illustrated in FIG. 1.

FIG. 3 is a rear perspective view from below of a two drawer unit desk.

The main frame which is made of rectangular cross section metal tubing comprises two pairs of legs 1 and 2, the legs of each pair are joined by a top and a secondary rail 3, 4 and 5, 6 respectively. The back legs 1, 2 are joined by a top and a secondary back rail 7 and 8 respectively.

The desk top comprises a pair of longitudinal rails 9 and 10, transverse end rails 11 and 12, an intermediate transverse rail 13 and a reinforcing longitudinal midrail 14. A desk top panel 15 is fixed to the desk top rails and the desk top is fixed to the main frame top rails 3, 5 and 7 by screws 16.

The drawer unit is mounted in the desk top between transverse rails 12, 13 and is located and secured in position by lugs on corner brackets 18 and clamping screws 19 respectively, and is also fixed to the main frame by plates 20.

The back panel 21 is mounted by its ends in channel members 22 and 23 respectively fixed to the drawer unit 17 and the back leg 1 of the main frame. It is secured to the main frame rails 7 and 8 by screws 24. The end panel 25 is secured at its ends to the legs 1 by screws 26 and panel end covering angle members 27.

The desk top panel may be made of plywood having a synthetic surface finish on one face and having its other face

secured to a base which may be of compressed wood pulp or the like. The back and end panels may be fabricated of twin sheets of plywood placed back-to-back to avoid warping and the necessity - as in conventional desks - of bonding the sheets with an adhesive.

It is also within the scope of the invention to provide a desk having a drawer unit 17a at the other end as illustrated in FIG. 3. In this instance the rail 4 is lowered to correspond with rail 6. Plates 20a are mounted on rails 4 and 8 to support the bottom of the drawer unit 17a and an additional rail 13 and clamping means 18-19 are mounted on the underface of the desk top to secure the top of the drawer unit 17a. The end panel 25 of the desk of FIGS. 1 and 2 is eliminated as are the angle members 27 and the screws 26. The channel 23 is mounted on the inner face of the drawer unit 17a and the back panel 21 is shortened and mounted in the channels 22-23.

I claim:

1. A desk comprising a main frame incorporating legs, a desk top fixed to the main frame, a drawer unit fixed to the top and to the main frame at one end thereof, said main frame being fabricated from rectangular metal tubing to provide two pairs of legs with the legs of each pair joined by a top and a secondary end rail and the pairs of legs having back legs joined by a top and a secondary back rail, said desk top being rectangular and fabricated from wood and comprising a pair of longitudinal rails, transverse end rails and an intermediate transverse rail, a desk top panel fixed to the longitudinal end and intermediate rails, said drawer unit fixed to lugs on the secondary back rail and a secondary end rail and being held against a desk top end rail by clamping means in said intermediate desk top transverse rail, channel members fixed to the drawer unit and the back leg remote from the drawer unit and a back panel mounted by its ends in said channel members.

2. A desk claimed in claim 1 having an end panel fixed at its ends by angle straps to the main frame legs remote from the drawer unit.

3. A desk comprising a main frame incorporating legs, a desk top fixed to the main frame, two drawer units respectively fixed to the top and to the main frame at both ends thereof, said main frame being fabricated from rectangular metal tubing to provide two pairs of legs with the legs of each pair joined by a top and a secondary end rail and the pairs of legs having back legs joined by a top and a secondary back rail, said top being rectangular and fabricated from wood and comprising a pair of longitudinal rails, transverse end rails and two intermediate transverse rails, a desk top panel fixed to the longitudinal end and intermediate rails, each said drawer unit being fixed to lugs on the secondary back rail and a secondary end rail and being held against a desk top end rail by clamping means in its associated intermediate desk top transverse rail, channel members fixed to the drawer units adjacent the backs thereof and a back panel mounted by its ends in said channel members.