

Patented May 15, 1917.

1,225,928.

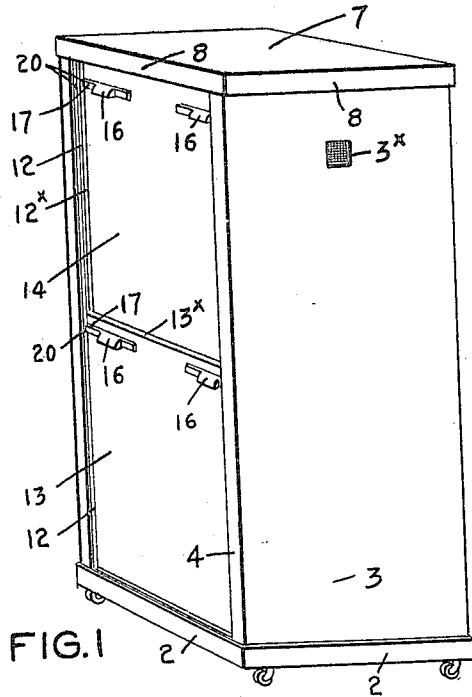


FIG. 1

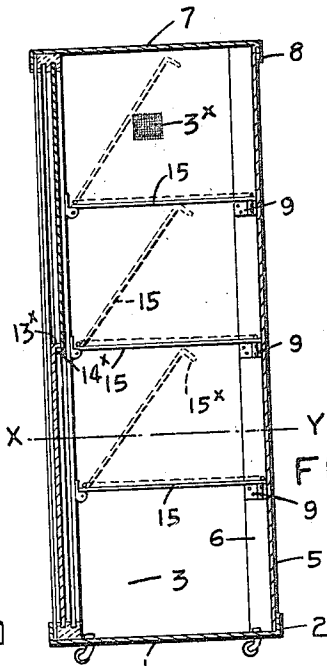


FIG. 2

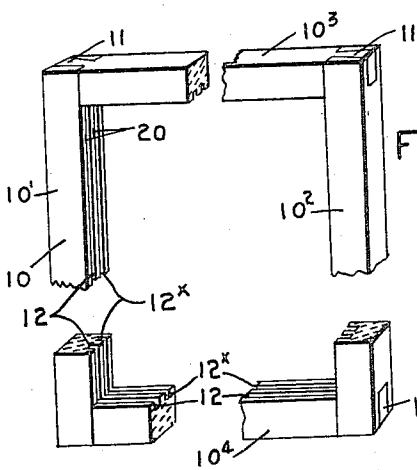


FIG. 4

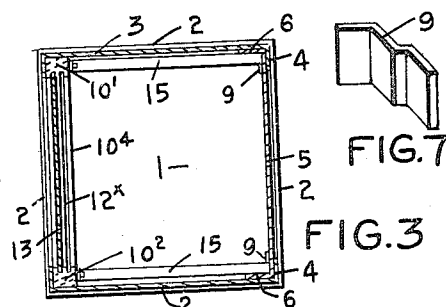


FIG. 3

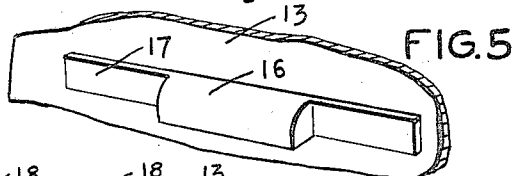


FIG. 5

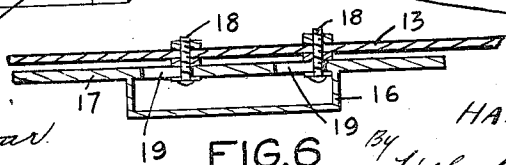


FIG. 6

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STEEL CUPBOARD.

1,225,928.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HARRY GORDON CLIFF, a subject of the King of Great Britain, and a resident of the city of Hamilton, in the county of Wentworth, Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Steel Cupboards, of which the following is a specification.

10 My invention relates to improvements in steel cupboards and the object of the invention is to devise a cupboard capable of being knocked down, in compact form for easy shipment and it consists essentially of inter-
15 engaging side, rear and top and bottom portions, a door sash comprising side and top and bottom portions secured to the top, bottom and sides of the cupboard and interlocking one with the other, and sliding doors
20 held in grooves in the sash, the parts being arranged as hereinafter more particularly explained by the following specification.

Figure 1 is a general perspective view of my cupboard. Fig. 2 is a vertical section
25 through my cupboard. Fig. 3 is a section through Fig. 2 along the line $x-y$. Fig. 4 is an enlarged detail of the door sash, the members being broken away intermediate of their length. Fig. 5 is an enlarged perspective
30 view of my handle. Fig. 6 is an enlarged horizontal section through my handle. Fig. 7 is an enlarged detail of my angle bracket.

In the drawings like letters of reference
35 indicate corresponding parts in each figure.

1 indicates the floor of the cupboard provided with upwardly extending surrounding flanges 2. 3 indicates the side walls provided with a ventilator 3^{*} and with inwardly
40 extending flanges 4. 5 indicates a back wall provided with inwardly extending flanges 6. 7 indicates the top provided with a surrounding flange 8. 9 indicates angle brackets
45 secured to the back wall portion 5 and to flanges 6 thereof. 10 indicates the door sash comprising the vertical side portions 10¹ and 10² and the top and bottom portions 10³ and 10⁴. 11 indicates a reduced portion of
50 the top portion 10³ interengaging with the upper ends of the side portions 10¹ and 10² to form a dovetailed jamb. 11^{*} indicates a reduced portion of the bottom portion 10⁴ interengaging with the lower ends of the side
55 portions 10¹ and 10² to form a dovetailed jamb. 12 and 12^{*} indicate grooves in the portions 10¹, 10², 10³ and 10⁴ of the sash 10.

13 indicates a door sliding in the groove 12 and provided with a bent-in portion 13^{*}. 14 indicates a door sliding in the groove 12^{*} and provided with a bent-out portion 14^{*}. 15 indicates the horizontal tray supporting
60 members pivoted to the sash 10 and having downturned portions 15^{*} adapted to engage with the angle brackets 9. 16 indicates a handle provided with an extending portion 16^{*}. 17. 18 indicates bolts secured to the doors 13
65 and 14 respectively and passing through the slotted hole 19 of the handle 16. 20 indicates a hole in the sash 10 adjacent to the grooved portions 12 and 12^{*} of the sash 10
70 provided for a purpose hereinafter described.

Having described the principal parts involved in my invention I will briefly describe the manner in which it is put together. 75

The base portion 1 is placed in the horizontal position and the side portions 3 placed vertically on the base 1 and against the upwardly extending portions 2. The back portion 5 is then placed vertically on
80 the base 1 to fit inside the flanges of the side portions 3. The door sash 10 assembled with the portions 11 dovetailing with the upper ends of the portions 10¹ and 10² and with the portions 11^{*} dovetailing with the
85 lower ends of the portions 10¹ and 10² is then placed vertically in position fitting into the angles formed by the side walls 3 and the extending flanges 4 thereof. Then by
90 turning down the pivoted tray supporting members 15 so that the portions 15^{*} thereof engage with the angle brackets 9, the side portions 3, the back portion 5 and the sash 10 are securely tied together. The sliding
95 doors 14 and 13 are then inserted in the grooves 12^{*} and 12 respectively and the door 14 is kept in its position by sliding the handles 16 so that the extending portions 17 thereof engage with the holes 20 of the
100 sash 10. In order to lower the door 14 the handles are first pulled toward each other, so as to disengage the portions 17 from the holes 20 and then the door may be lowered. Similarly the door 13 is kept down so that
105 its extending portion 13^{*} presses tightly against the portion 14^{*} of the door 14 by the extending portions 17 of its handles engaging with holes in the sash similar to the holes 20 shown in the door 14. The door 13
110 may be kept in the raised or open position by the portion 17 of the handle engaging with the upper holes 20.

The top 7 is then placed so that its flanges 8 surround the upper extremities of the members 3, 4, and 10.

Hence it will be seen that I have devised a simple detachable cupboard in which the parts are securely tied together and in which no bolts or supplemental devices other than that connected with the parts themselves are used, consequently no tools are used for erecting or knocking down.

What I claim as my invention is:

1. In a cupboard, the combination with a base, of a cover portion, side and rear wall portions detachably engaging one with the other and with the base and cover portions, a door sash, arm members permanently carried by the sash and adapted to swing in vertical planes to the rear wall and each provided with a downwardly projecting portion, and a coacting angle bracket for each carried by the rear wall portion all adapted to form interlocking connections with the

brackets so as to detachably lock the front sides and back together, and also form tray supports.

2. In a cupboard, the combination with a metal cover having downwardly extending edge flanges and a base having upper extending edge flanges adapted to slip outside of the top and bottom of the vertical walls, of back and sides detachably connected together, and a front reinforcing sash extending around the interior of the front portion of the sides and cover and base and means for detachably connecting the sash to the cover and base, and arms hinged on the sides of the sash having rear hooks adapted to swing in vertical planes and brackets on the back with which the hooks are designed to engage to bind the cupboard together.

HARRY GORDON CLIFF.

Witnesses:

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