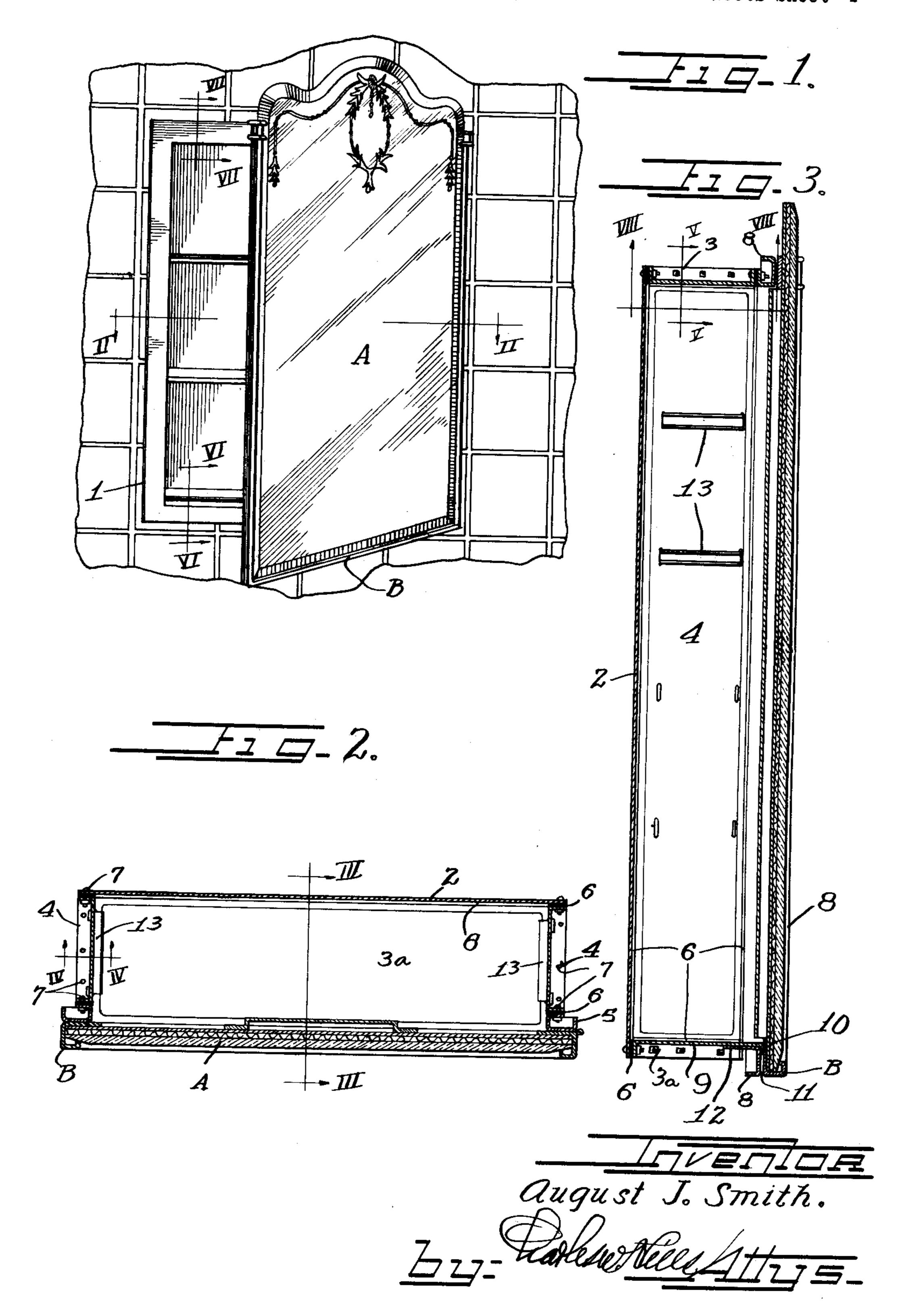
KNOCK-DOWN PORCELAIN ENAMELED CABINET

Filed Dec. 26, 1930

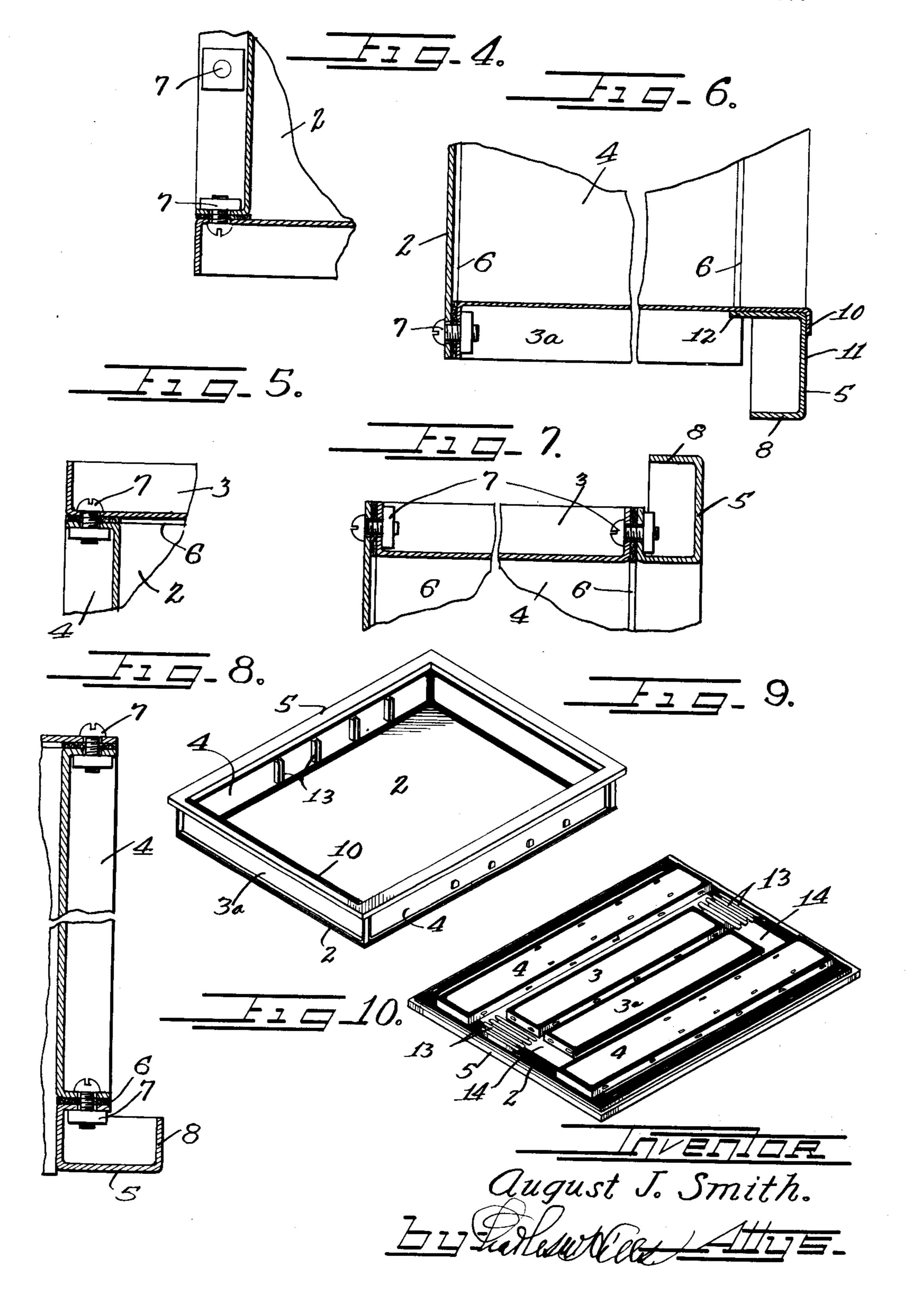
2 Sheets-Sheet 1



KNOCK-DOWN PORCELAIN ENAMELED CABINET

Filed Dec. 23, 1930

2 Sheets-Sheet 2



UNITED STATES PATENT OFFICE

AUGUST J. SMITH, OF MOUNT PLEASANT, MICHIGAN

KNOCK DOWN PORCELAIN ENAMELED CABINET

Application filed December 26, 1930. Serial No. 504,745.

wall cabinets of the type adapted to be built in combination with a wall cabinet. With into the wall so that the front thereof is sub- such a construction, wherein for example, stantially flush with the wall itself. More the metal is a chrome steel or the like, the 5 particularly, my invention relates to medi- frame may be cleaned simply by wiping once cine and the like cabinets of the character with a damp cloth, and the thrust of the

employed in bathrooms.

Bathroom cabinets heretofore in vogue bility of chipping the enamel. have been made in one piece, so that if any Other and further important objects of exceedingly likely upon shipment thereof, disclosures in the specification and the acthe appearance of the whole cabinet was companying drawings. spoiled, and the cabinet must be installed as is, or a new one ordered. This obviously illustrated in the drawings and hereinafter entails a great amount of expense and in- more fully described. convenience, and unsightly cabinets are On the drawings: often installed. Another drawback of the Figure 1 is a fragmentary elevational one-piece cabinet lies in the fact that where view of the wall of the bathroom or the like a number of these are shipped, the space with my novel cabinet installed, the door 20 taken up by each is the same as if it were of the cabinet being shown ajar. solid through and through, so that the cost Figure 2 is a sectional view taken subof shipping is quite high. Another disad- stantially in the plane indicated by the line vantage of the one-piece cabinet lies in the II—II of Figure 1, with the door in closed manufacture thereof, since expensive dies position. must be used.

It is, accordingly, one of the principal objects of this invention to provide a small III—III of Figure 2. cabinet of the class referred to which may be manufactured by inexpensive methods, presents a neat appearance which may blend with the design of other fixtures and the wall, which consists of a plurality of parts easily assembled and disassembled, and which may be shipped in such a manner as to occupy a minimum amount of space, with a resultant lower cost of shipment.

A subsidiary object of the invention involves the employment of felt or the like at the joints of the various parts of my knockdown cabinet so that when the device or cabinet is installed in the wall, the parts will not contact one another, leakage of moisture from the wall into the cabinet will be inhibited, and prevent chipping parts when indicated by the line VIII—VIII in Fig. 95 assembling and tightening bolts. Thus a cabinet made and installed in accordance with my instructions will be every bit as efficient as the conventional one-piece type

now in vogue.

This invention has to do broadly with the provision of a polished metallic frame cabinet door will be taken without a possi-

10 part of the enamel chipped off, which is this invention will be apparent from the 60

This invention (in a preferred form) is

Figure 3 is a sectional view taken approx- 75 imately in the plane indicated by the line

Figure 4 is a fragmentary sectional view taken approximately in the plane indicated by the line IV—IV in Figure 2, certain 80 parts being shown in elevation.

Figure 5 is a view taken substantially in the plane indicated by the line V—V in Figure 3.

Figure 6 is a view partly in elevation 85 taken approximately in the plane designated by the line VI—VI in Figure 1.

Figure 7 is a view taken approximately in the plane indicated by the line VII-VII in Figure 1, certain parts being shown in elevation.

Figure 8 is an enlarged fragmentary sectional view taken substantially in the plane ure 3.

Figure 9 is a diagrammatic sectional view showing my novel cabinet as it appears ready for installation.

ow in vogue.

Another object of the invention involves stantially the same scale as that in Figure 100

Figure 10 is a perspective view in substantially the same scale as that in Figure 100

9 showing the cabinet disassembled and ar- nied by a saving in the use of packages for ranged for shipment.

Referring now more particularly to the It will be noted that the holes for the va-5 cated by identical reference numerals, my novel wall cabinet is indicated at 1, and consists of a rear wall plate 2, top and bottom channel members 3 and 3a, respectively, identical side members 4 of channel shape 10 and having closed ends, and a frame mem-Felt or like material 6 disposed between the on. The side members are located alongside channel members 3 and 4 and the wall plate the corresponding side edges and on top of 2 and between said channel members 3, the plate 2, and the top and bottom members 15 4, and the frame member 5, serves to pre- 3 and 3a are located side by side, parallel to 80 vent direct contact between the respective and between the side members 4. In the members and also functions to maintain the modification shown herein, the side members cabinet in a watertight condition when the 4 are longer than the top and bottom memsame is installed in the wall of a bathroom bers 3 and 3a. In accordance with this con-20 or the like, thereby preventing seepage of struction, spaces will be available at 14 for 85 moisture into the cabinet.

25 so that the side members 4, while extending members 3, 3a, and 4. Of course, in packing 90 shown in Figure 9 as well as in other figures. of chipping of the porcelain enamel. 30 The adjacent portions of the various mem- It will be evident from the foregoing that 95 35 being employed in order to insure a tight fit is adapted for engagement with the wall of 40 the bathroom or the like in connection with which it is to be employed. The web 9 of the channel member 3a extends beyond the end flanges thereof and is disposed within the frame member 5 as shown in Figure 3, and is provided with a downwardly extending lip 10 in engagement with the front face 11 of the frame member 5. The frame member 5 is provided with an inwardly extending lip 12 which cooperates with the extended portion of the web 9.

The door A in its frame B is shown in open position in Figure 1, and closed position in Figures 2 and 3, and is covered by 55 United States Letters Patent No. 1,751.101 granted to me on March 18th, 1930.

A comparison of the drawings of Figures 9 and 10 will suffice eminently to show the great saving in shipping space which is 60 made in providing a knockdown cabinet of this type. The saving is approximately three-fourths of the cost which would be necessitated if the cabinet were made in the conventional manner, that is, in one piece. 65 This saving in shipping space is accompathe cabinets.

drawings, wherein the same parts are indirious screws are elongated as shown in Figure 10 so that no time need be lost in fitting 70 the screws and assembling the various parts to form the finished cabinet.

For purposes of shipment, the parts may be assembled substantially as follows:

The frame member 5 is placed lowermost 75 ber 5 of channel shape in cross-section. and the rear wall plate 2 superimposed therereceiving the shelf members 13 and the screw It is to be noted that the top and bottom or nut means 7, not shown in Figure 10. members 3 and 3a are commensurate in The strips of felt 6, also not shown in Figlength with the width of the back plate 2, ure 10, may be located between the various along the side edges of the back plate 2, are the various parts, the shipper will take care in effect disposed between the upper and to prevent intimate contact between the valower members 3 and 3a. This is clearly rious parts thereby reducing the possibility

bers constituting the cabinet are connected I have provided a knockdown cabinet chartogether as illustrated in the various views acterized by utmost ease and facility of asby means of screws and nuts 7, a sufficient sembly and disassembly, of extremely low number of these fastening instrumentalities cost of shipping, and having a less likelihood of damage in transit than is true of the 106 all over. The flange 8 of the frame member type of cabinet made in one piece. Another 5 projects laterally beyond the remainder of feature of no little importance in this conthe cabinet, and the free edge of said flange nection resides in the fact that should any part arrive in a damaged condition, that particular part can be replaced at its own 105 cost, which is necessarily a small fraction of the cost of the whole cabinet.

The cabinet parts may be made of sheet or cast metal or other material, and may be coated with porcelain enamel or the like, or 110 simply polished. The invention is applicable to stoves and other articles, enameled or

otherwise, as well as to wall cabinets. It will be appreciated that the advantage of employing a polished metallic frame lies, 115 in addition to the cleaning feature, in the fact that no harm will arise in connection with the closing or slamming of the cabinet door. Were the frame enameled, the enamel would be very likely to chip off under these 120 circumstances.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this inven- 125 tion, and I, therefore, do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

1. A porcelain enamel cabinet of the built- 120

1,907,679

	in type, comprising a frame, a rear wall
	plate, top and bottom members commensu-
	rate in length with the width of the plate,
5	side wall members extending along the side edges of the plate and disposed interme-
•	diate the top and bottom members, all of
	said members being located between the
	plate and the frame and having flanges ex-
	tending away from the interior of the cab-
10	inet, the free edges of said flanges lying
	in the same planes with the respective edges
	of the plate, the side flanges of said mem-
	bers being located adjacent said plate and frame, the end flanges of the side members
15	being disposed adjacent the ends of the top
	and bottom members, felt or the like having
	a plurality of holes and disposed between
	the adjacent portions of the various parts,
១១	said portions being provided with elongated
40	holes in register with the holes in the felt, and fastening means passing through said
	holes, whereby said fastening means are dis-
	posed entirely without the cabinet interior,
	and all of said parts are held together tight-
25	J William Milliam of College Pro. 222 Society
	age of moisture into the cabinet and to pre-
	vent chipping and other abuse of the enamel. 2. A porcelain enameled cabinet of the
	built-in type adapted to be knocked down
3	for shipping purposes comprising a frame,
	a rear wall plate, top and bottom members
	commensurate in length with the width of
	the plate, side wall members extending
35	along the side edges of the plate, all of said members being located between the plate
	and the frame, and having flanges extend-
	ing away from the interior of the cabinet,
	the side flanges of said members being lo-
40	cated adjacent said plate and said frame, the
	end flanges of the side members being disposed adjacent the ends of the top and bot-
	tom members, the web of said bottom mem-
	ber extending beyond the end flanges there-
	of and having a downwardly extending lip
45	for engagement with the front face of said
	frame, and an inwardly extending lip on said frame cooperating with said extended
	portion of said web for supporting the
	same.
50	o. It porcolain chambred capines of the
	built-in type adapted to be knocked down
	for shipping purposes comprising a frame, a rear wall plate, top and bottom members
	commensurate in length with the width of
55	the plate, side wall members extending
	along the side edges of the plate, all of said
	members being located between the plate and
	the frame, and having flanges extending
6 0	away from the interior of the cabinet, the side flanges of said members being located
- -	adjacent said plate and said frame, the end
	flanges of the side members being disposed
	adjacent the ends of the top and bottom
^-	members, the web of said bottom member
65	extending beyond the end flanges thereof

and having a downwardly extending lip for engagement with the front face of said frame, and an inwardly extending lip on said frame cooperating with said extended portion of said web for supporting the same, and means extending through said flanges for clampingly holding the parts together rigidly with respect to each other, strips of resilient fibrous material disposed between adjacent portions of the various parts of the cabinet, whereby intimate contact of the parts and injury to the enamel is prevented.

In testimony whereof I have hereunto

In testimony whereof I have hereunto subscribed my name at Mount Pleasant, Isabella County, Michigan.

AUGUST J. SMITH.

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