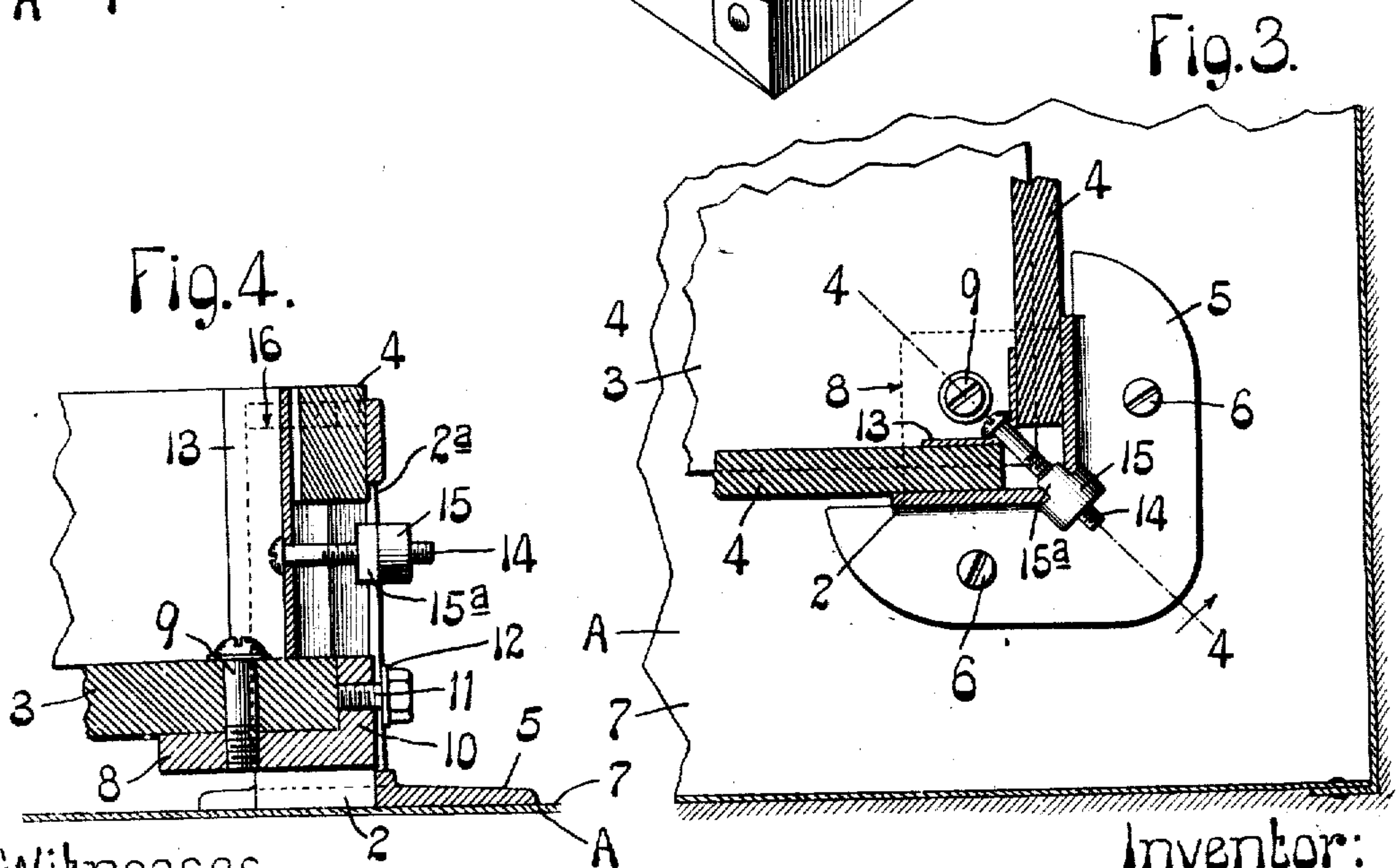
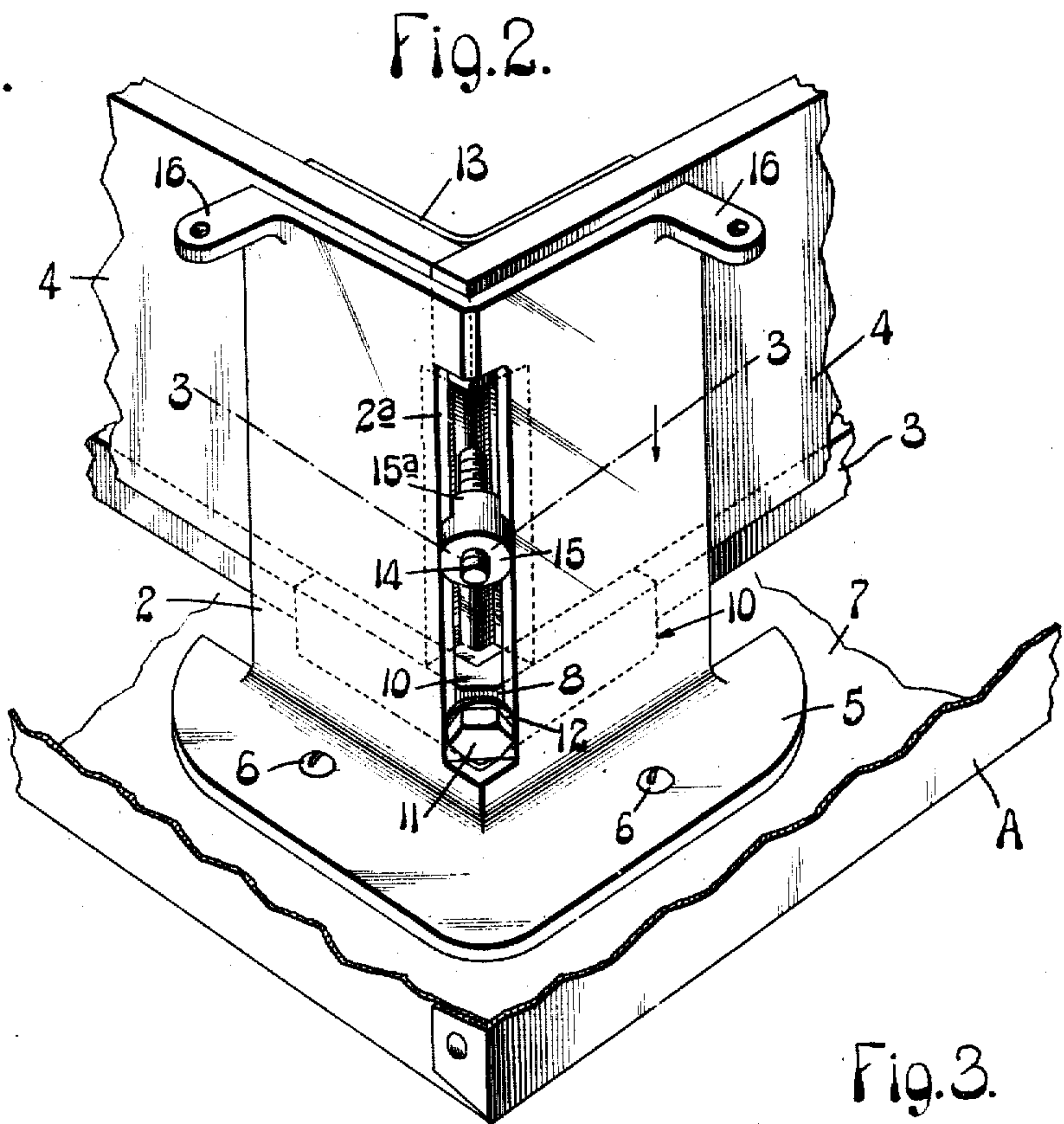
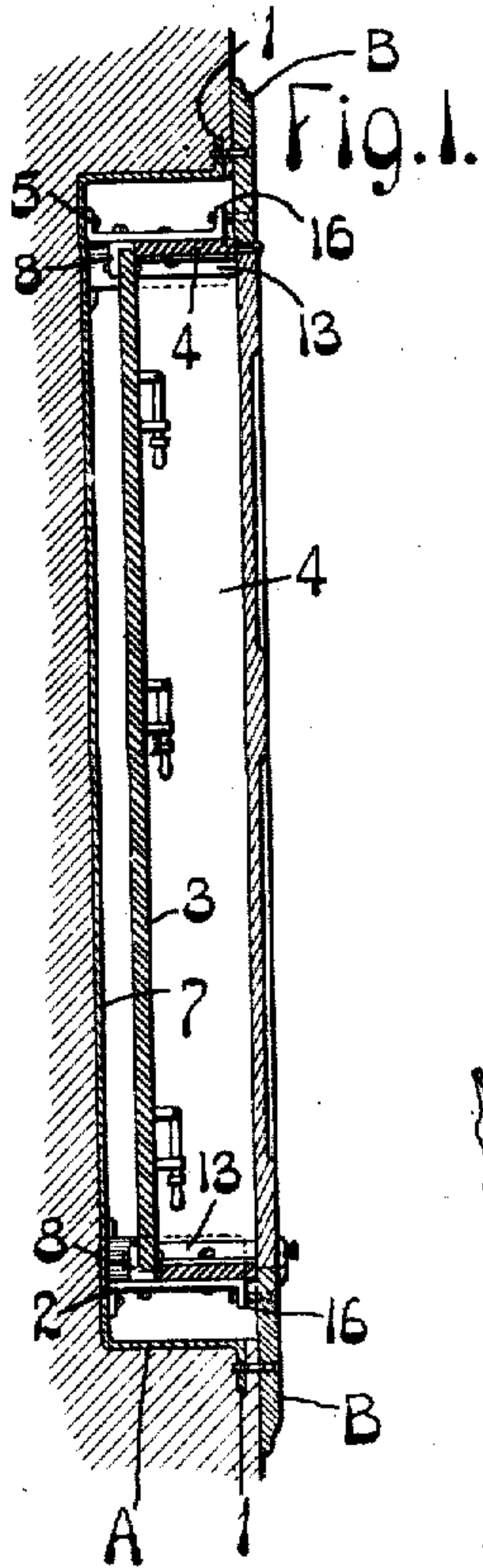


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 PANEL BOARD CABINET.  
 APPLICATION FILED OCT. 19, 1908.

Patented Aug. 3, 1909.

929,812.



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# UNITED STATES PATENT OFFICE.

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## PANEL-BOARD CABINET.

No. 929,812.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed October 19, 1908. Serial No. 458,562.

*To all whom it may concern:*

Be it known that I, FREDRICK B. ADAM, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Panel-Board Cabinets, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional view showing my improved panel board cabinet in operative position in the wall of a building; Fig. 2 is an enlarged perspective view of a portion of the cabinet, the panel board and the frame or lining of the panel board; Fig. 3 is a sectional view taken on approximately the line 3—3 of Fig. 2; and Fig. 4 is a sectional view taken approximately on the line 4—4 of Fig. 3.

This invention relates to panel boards or switch boards that are used for distributing electric service, and particularly to that type which are arranged inside of a box or casing, commonly termed a panel board cabinet, that is embedded in the wall of a building.

The main object of my invention is to provide a panel board cabinet which is so constructed that the panel board arranged inside of same can be adjusted inwardly or outwardly, and thus bring the outer edge of the panel board frame or lining flush with the outer surface of the wall in which the cabinet is embedded. And another object of my invention is to provide novel means for holding the pieces that constitute the lining or frame of a panel board in operative position relatively to each other, and also to the panel board.

Briefly described, my invention consists of a panel board cabinet that is adapted to be embedded or set into the wall of a building, supports arranged inside of said cabinet, and devices adjustably connected to said supports and having a panel board fastened thereto. The supports preferably consist of approximately angle-shaped members connected to the rear wall of the cabinet and arranged at the four corners of the panel board, and means is provided for clamping the pieces that constitute the lining or frame of the panel board to these angle-shaped corner supports.

Referring to the drawings which illustrate the preferred form of my invention, A designates the panel board cabinet which preferably consists of a rectangular-shaped metal box that is adapted to be embedded into the wall of a building, the sides of said box being provided at their outer edges with laterally projecting flanges 1, as shown in Fig. 1. If desired, however, the box A can be formed of wood and lined with metal, as the particular construction of the box or cabinet A is immaterial so far as my broad idea is concerned.

Supports 2 are arranged inside of the cabinet A to carry the panel board 3 and its frame or lining 4, and in the preferred form of my invention, as herein shown, said supports consist of angle-shaped cast metal members, each of which is provided at its inner end with a flange 5 that is connected by fastening devices 6 to the rear wall 7 of the cabinet A, as shown clearly in Fig. 2. These supporting members 2 are arranged in such a position that they will embrace the four corners of the panel board, and each member is provided with an adjustable device 8 to which the panel board is connected, each of said devices 8 comprising a base portion that receives the fastening 9 which secures the panel board thereto, and a flange 10 that snugly embraces the corner of the panel board. The means herein shown for adjustably connecting the panel-board-carrying devices 8 to the corner members 2 consist of bolts 11 that pass through elongated slots 2\* in the corner members 2 and enter screw-threaded openings in the devices 8, preferably in the flanges 10 of said devices, as shown in Fig. 4. The heads of the bolts 11 are provided with flanges 12 which engage the outside corner portions of the members 2 so that the devices 8 will be securely locked in position when said bolts are tightened.

The pieces 4 which constitute the lining or frame of the panel board merely rest upon the front face of said board, and are arranged in such a manner that they form a rectangular-shaped frame which is located inside of the angle-shaped corner supports 2. Angle-shaped clamping members 13 are arranged inside of this lining or frame, and each of said clamping members is provided with a bolt 14 that passes outwardly through the elongated slot 2\* in the corner support 2 with which it coöperates, the screw-threaded



portion of said bolt passing through a nut 15 having a flattened extension 15<sup>a</sup> that lies in the slot 2<sup>a</sup> in the corner support, and thus prevents said nut from turning. When the bolts 14 are tightened, the inside clamping members 13 will be moved closer to the corner supports 2, which act as outside clamping members for the lining pieces 4, and thus securely hold the panel board lining or frame in position.

The corner members 2 are provided adjacent their outer ends with lugs 16 having openings for receiving the fastening devices that retain the outer facing or wooden frame B of the cabinet in position, said frame B also being connected to the flanges 1 on the walls of the cabinet.

The main advantage of a construction of the character above referred to is that it enables the panel board and its lining or frame to be moved inwardly and outwardly relatively to the cabinet A and thus bring the outer edge of the lining 4 into intimate engagement with the facing or wooden frame B which is arranged on the outer face of the wall in which the cabinet is embedded.

In devices of this character which have heretofore been in general use the panel board was rigidly connected to the cabinet so that it was impossible to always set the cabinet in exactly the proper position to bring the outer edge of the panel board lining or frame flush with the outer surface of the wall in which the cabinet was embedded. My improved construction overcomes this difficulty, for the panel board is carried by adjustable supports that enable it to be moved inwardly and outwardly, and thus bring the outer edge of its frame or lining flush with the outer surface of the wall in which the cabinet is embedded, it being immaterial whether or not the outer edge of the cabinet lies flush with the outer surface of the wall of the building.

Another desirable feature of my improved construction is that it clamps the frame or lining 4 of the panel board in position without using screws that pass through said lining, which is generally formed of slate or marble. And still another very desirable feature of my improved construction is that it is compact, it presents a neat and ornamental appearance, and it can be manufactured at a low cost.

While I have herein stated that the corner members are connected to the rear wall of a box or cabinet embedded in the wall of a building, I do not wish it to be understood that my broad idea is limited to a construction that comprises a cabinet or a similar device, for if desired the supports to which the panel board carrying devices are adjustably connected could be connected to a flat plate or to any other suitable supporting device on the wall of the building.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. A device of the character described, comprising a panel board, a support, and adjustable devices mounted on said support for carrying said board; substantially as described. 70

2. A device of the character described, comprising a panel board arranged parallel to the wall of a building, stationary supporting means arranged at approximately right angles to said panel board, and devices mounted on said supporting means and adapted to be adjusted longitudinally thereof to move the panel board toward and away from the face of said wall; substantially as described. 75 80

3. A device of the character described, comprising a panel board, separate supports arranged adjacent the corners of said board, and means for adjustably connecting said board to said supports so that said board can be arranged in different positions; substantially as described. 85 90

4. A device of the character described, comprising a panel board, separate supports arranged adjacent the corners of said board, and panel board carrying devices adjustably connected to said supports and adapted to be arranged in different positions thereon; substantially as described. 95

5. A device of the character described, comprising a panel board, separate angle-shaped supporting members which embrace the corners of said board, and devices arranged inside of said supporting members and adjustably connected thereto for carrying said panel board; substantially as described. 100 105

6. A device of the character described, comprising a panel board, angle-shaped supporting members arranged at approximately right angles to said board and embracing the corner portions thereof, said members being provided with elongated slots, and adjustable devices passing through said slots for carrying the panel board; substantially as described. 110

7. A device of the character described, comprising a panel board, devices secured to said board, stationary supporting members arranged at approximately right angles to said panel board, and longitudinally adjustable devices mounted on said supporting members and engaging the devices on said board to retain the board in position; substantially as described. 115 120

8. A device of the character described, comprising a panel board provided with devices having screw-threaded openings, supporting members provided with elongated slots, and bolts passing through the slots of said members and entering the openings of the devices that are secured to said board so 125 130



as to hold the board in position; substantially as described.

9. A device of the character described, comprising a panel board, devices connected to said board and embracing the corner portions thereof, separate stationary supports arranged adjacent the corners of the board and provided with elongated slots and bolts passing through said slots and engaging the devices that are connected to the corner portions of the board so as to clamp said devices to the supports and thus retain the board in position; substantially as described.

10. A device of the character described, comprising a box or cabinet embedded in the wall of a building, stationary supports arranged inside of said cabinet, and a panel board connected to said supports in such a manner that it can be adjusted toward and away from the face of said wall; substantially as described.

11. A device of the character described, comprising a box or cabinet embedded or set in the wall of a building, a panel board arranged inside of said box, separate stationary supporting members arranged inside of said box adjacent the corners of said board, and means for retaining the board in different positions on said supports; substantially as described.

12. A device of the character described, comprising a box or cabinet embedded or set in the face of the wall of a building, a panel board arranged inside of said cabinet and provided with a frame or lining that projects outwardly toward said wall, and means for enabling said board and lining to be adjusted so as to bring the outer edge of the lining flush with the surface of the wall; substantially as described.

13. A device of the character described, comprising a box or cabinet that is adapted to be set in the face of a wall, stationary supports arranged inside of said cabinet and provided at their outer ends with lugs to which an outside facing or frame can be connected, and a panel board mounted on said supports in such a manner that it can be adjusted toward and away from the face of the wall; substantially as described.

14. A device of the character described, comprising stationary supporting members, a panel board, pieces arranged on said panel board to form a frame or lining, and clamping devices cooperating with said supporting members for clamping said pieces in operative position; substantially as described.

15. A device of the character described, comprising stationary angle-shaped supporting members, a panel board, pieces arranged on said board to form a rectangular-shaped frame, clamping members arranged on the inside of the corners of said frame, and means for drawing the clamping members and supporting members together to clamp said

frame pieces in position; substantially as described.

16. A device of the character described, comprising stationary angle-shaped supporting members, a panel board, pieces arranged on said board to form a rectangular-shaped frame, clamping members arranged on the inside of the corners of said frame, and bolts passing through said clamping members and through the supporting members to draw the clamping members and supporting members together; substantially as described.

17. A device of the character described, comprising stationary angle-shaped supporting members, a panel board, pieces arranged on said board to form a rectangular-shaped frame, clamping members arranged on the inside of the corners of said frame, bolts connected to said clamping members and passing through elongated slots in said supporting members, and nuts on said bolts having flattened extensions that lie in the slots in said supporting members; substantially as described.

18. A device of the character described, comprising a cabinet adapted to be embedded in the wall of a building, a panel board, angle-shaped corner members provided with flanges that are connected to the rear wall of the cabinet, devices connected to the corner portions of the panel board, means for adjustably connecting said devices to the corner members, a frame or lining arranged on the front face of the panel board, clamping members arranged inside of the corners of said frame, and means for drawing said clamping members toward the corner members to clamp said frame in position; substantially as described.

19. A device of the character described comprising a panel board arranged inside of a recess or opening in a wall and provided with a lining, supports which carry said panel board, a facing or frame arranged on the outer face of said wall, and adjustable means mounted on said supports for carrying said board, thus enabling said panel board to be adjusted relatively to said frame to bring the lining on the panel board into intimate engagement with the inner face of said frame; substantially as described.

20. A device of the character described comprising a box or cabinet arranged in a wall, a panel board arranged inside of said cabinet, a lining that projects forwardly from the front face of the panel board, a facing or frame arranged on the outer face of said wall, and adjustable supporting means for carrying said board so that the board and lining can be adjusted to bring the edge of the lining into contact with the inside face of said frame or facing; substantially as described.

21. In a panel board mounting, a bracket member, a plurality of lining members disposed at right angles to each other, and a



clamp on said bracket member engaging said lining members.

22. A device of the character described, comprising a stationary supporting means, 5 devices adjustably connected to said supporting means and adapted to be moved longitudinally thereof, and a panel board carried by said adjustable devices and arranged at approximately right angles relatively to said supporting means; substantially as described. 10

23. A device of the character described, comprising a stationary support, a panel board arranged parallel to the wall of a building, and adjustable devices clamped to said support for carrying said panel board and enabling it to be adjusted toward and away from said wall; substantially as described. 15

24. A panel board support, comprising a stationary member, a movable panel board supporting device adapted to be adjusted longitudinally of said member, and means for clamping said device in different positions on said support; substantially as described. 20

25. In a device of the character described, a panel board, a stationary member adapted 25

to be arranged at an angle to said panel board, and a movable device adapted to be arranged in different positions on said stationary member for carrying the panel board; substantially as described. 30

26. A panel board support, comprising a stationary member provided with an elongated slot, a movable panel board carrying device arranged in said slot, and means for locking said device in different positions on said stationary member; substantially as described. 35

27. A panel board support, comprising a stationary member provided with an elongated slot, a movable panel board supporting device, and a bolt extending through the slot in said stationary member for clamping the panel board supporting device thereto; substantially as described. 40

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this fifteenth day of October 1908. 45

FREDRICK B. ADAM.

Witnesses:

WELLS L. CHURCH,  
GEORGE BAKEWELL.