Aug. 3, 1926.

1,594,412

H. F. GARVIN

WALL AND CEILING FIXTURE

Filed May 29, 1924

2 Sheets-Sheet 1

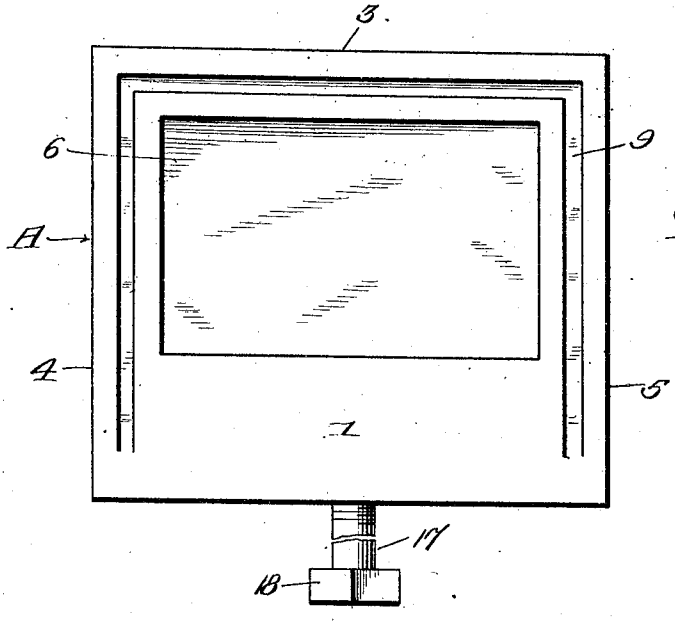


Fig. 1.

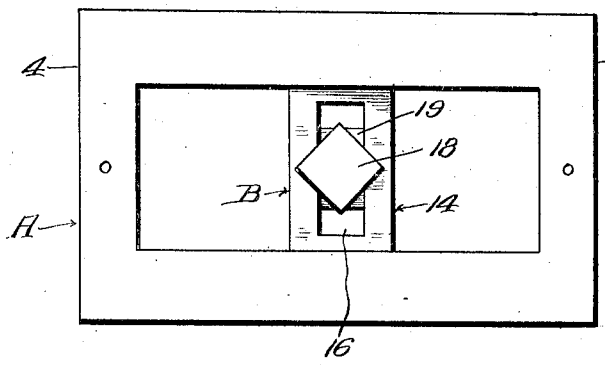


Fig. 2.

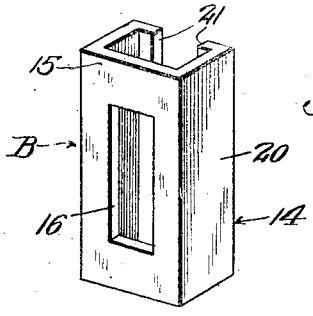


Fig. 6.

Inventor

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Aug. 3, 1926.

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2 Sheets-Sheet 2

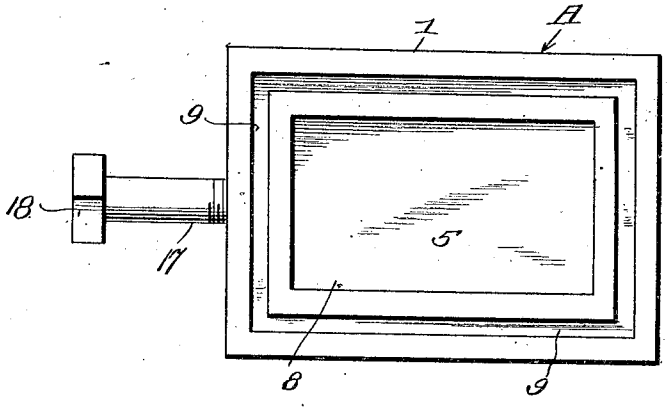


Fig. 3.

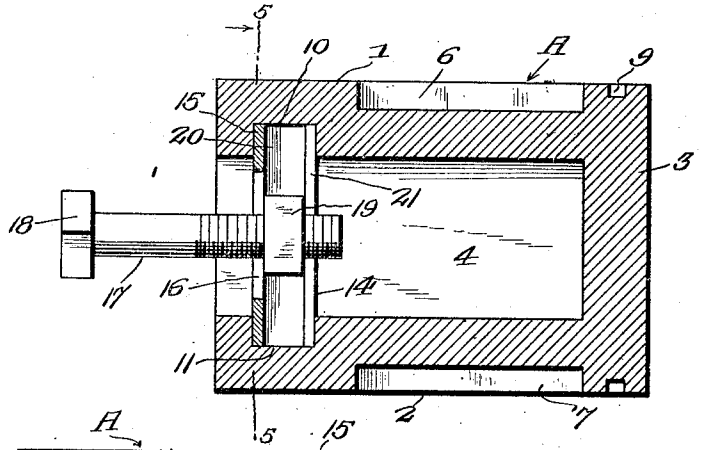


Fig. 4.

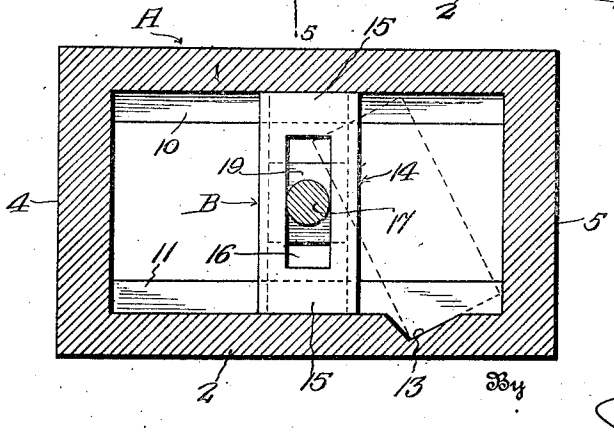


Fig. 5.

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Patented Aug. 3, 1926. 1,594,412

UNITED STATES PATENT OFFICE.

HAM F. GARVIN, OF RED WING, MINNESOTA.

WALL AND CEILING FIXTURE.

Application filed May 29, 1924. Serial No. 716,836.

This invention relates to new and useful improvements in wall and ceiling fixtures and more especially to a device which can be embedded in a brick or concrete wall floor or ceiling either during or after the construction of the house or other building and serves as a convenient support for pipes, shelves and the like.

A further object of my invention is to provide a fixture of the character specified involving a connection which may be adjusted both horizontally and vertically.

A still further object of my invention is to provide a wall or ceiling fixture which is simple and economical in construction, may be easily applied and in which the adjustable element may be readily removed from the housing.

With the foregoing and other objects in view that will appear as the nature of my invention is better understood, the same consists in the novel features of construction, combination and arrangement of parts illustrated in the drawings and more particularly pointed out in the appended claim.

In the accompanying drawings, which are for illustrative purposes and are therefore not drawn to scale.

Figure 1 is a plan view of a wall and ceiling fixture embodying my improvements.

Figure 2 is a front edge view.

Figure 3 is an end view.

Figure 4 is a longitudinal sectional view.

Figure 5 is a transverse section taken on line 5—5 of Figure 4.

Figure 6 is a perspective view of the bracket.

Referring to the drawings for a more particular description of my invention and in which drawings like parts are designated by like reference characters throughout the several views, A designates the hollow stationary housing and B the adjustable connection. The housing A is of preferably rectangular oblong form and comprises the flat top, bottom, back and end walls 1, 2, 3, 4 and 5, respectively, but is open at the front as shown. The outer face of the back wall is preferably flat while the corresponding faces of the top, bottom and end walls are formed with rectangular recesses 6, 7 and 8, and grooves 9 which may extend partially or entirely around the marginal edges of said recessed portions. In practice, the housing is embedded or arranged in the wall or ceiling either during or after the construction of the house or other building and the recesses and grooves aforesaid, are adapted to receive mortar whereby the housing is securely anchored in place.

The top and bottom walls of the housing are formed adjacent their front edges with longitudinally disposed registering grooves 10 and 11, respectively, which extend the full length of said walls and in this connection attention is specially invited to the fact that the groove 11 is formed in its bottom wall 12 with a recess 13, the purpose of which will presently appear.

An elongated bracket 14 is mounted in the housing with its ends 15 fitting in the grooves 10 and 11 in the top and bottom walls 1 and 2, respectively, and is susceptible of horizontal adjustment in the housing in either direction. This bracket, which is of approximately U-shaped form in cross section, is formed in its body portion with an elongated longitudinally disposed slot 16 adapted to receive the shank as 17 of a bolt or screw 18 employed in fastening pipes, shelves or other fixtures to the wall or ceiling through the medium of my device. This bolt and screw has threaded engagement with a nut 19 susceptible of perpendicular adjustment in either direction in the bracket. The side walls 20 of the bracket are formed with inwardly extending flanges 21 which retain said nut in operative position. If desired to remove the bracket and associated parts from the housing, this may be accomplished by moving the former as far as possible to the right in the casing when the upper end of the bracket may be tilted down at an inclination sufficient to disengage it with the groove 10 in the top wall 1 by virtue of the recess 13 in the groove 11 in the bottom wall.

From the foregoing description taken in connection with the drawings, it is thought that the construction, operation and advantages of my invention will be readily understood without requiring a more extended explanation.

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

In a wall or ceiling fixture of the character specified, a hollow stationary housing formed in its top and bottom walls with longitudinally disposed registering

grooves, a horizontally adjustable bracket mounted in said housing with its ends fitting and working in said grooves, a nut adjustable perpendicularly in said bracket, the groove in the bottom wall of the casing formed at one end and in its bottom wall with a recess or depression, and the body portion of the bracket having an elongated perpendicular slot adapted to receive the shank of a bolt or other fastening element.

In testimony whereof he affixes his signature.

HAM F. GARVIN.