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R. BRUNSTING ETAL

3,180,595

WALL FIXTURE MOUNTING

Original Filed May 18, 1953

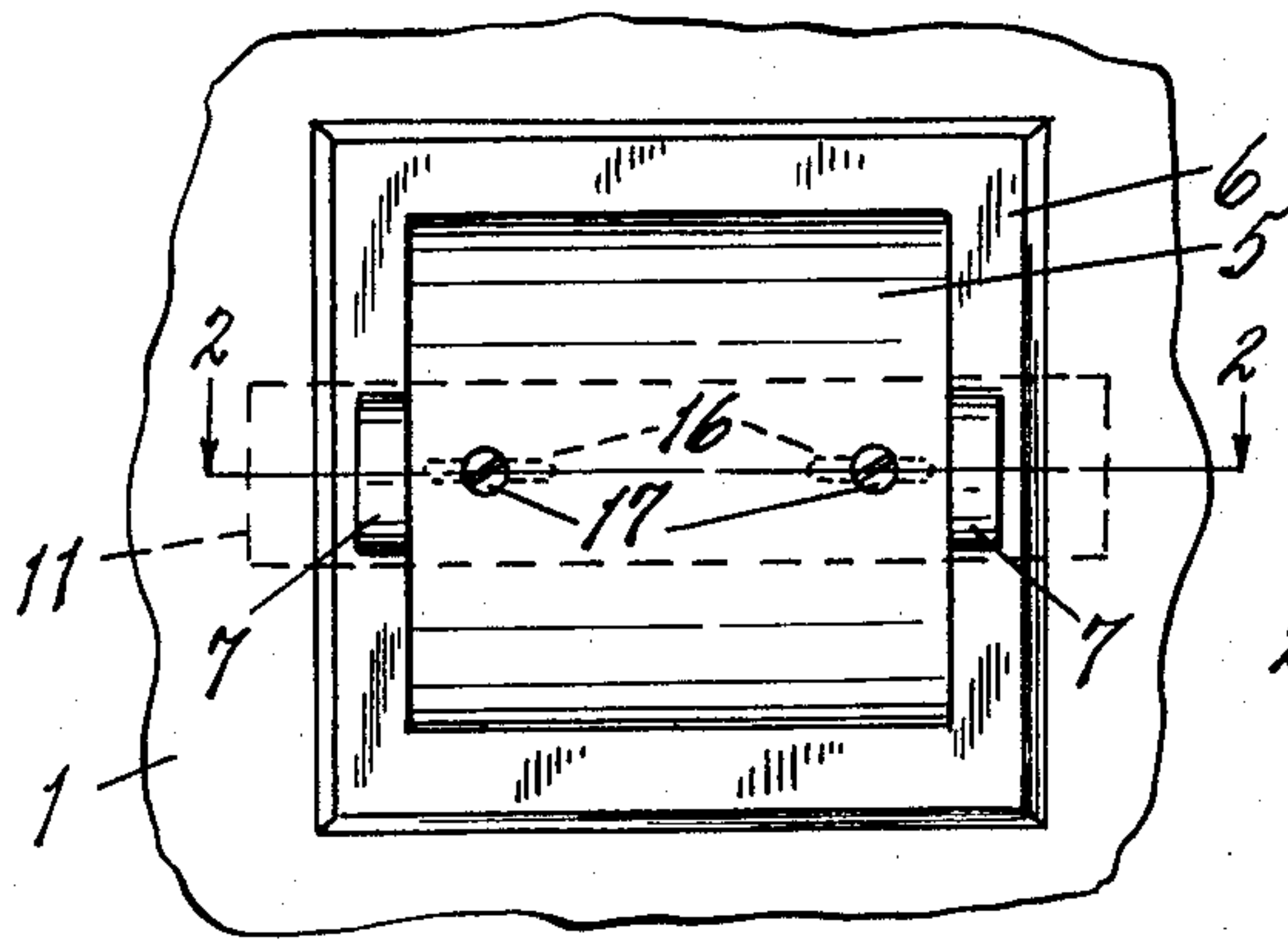


FIG. 1.

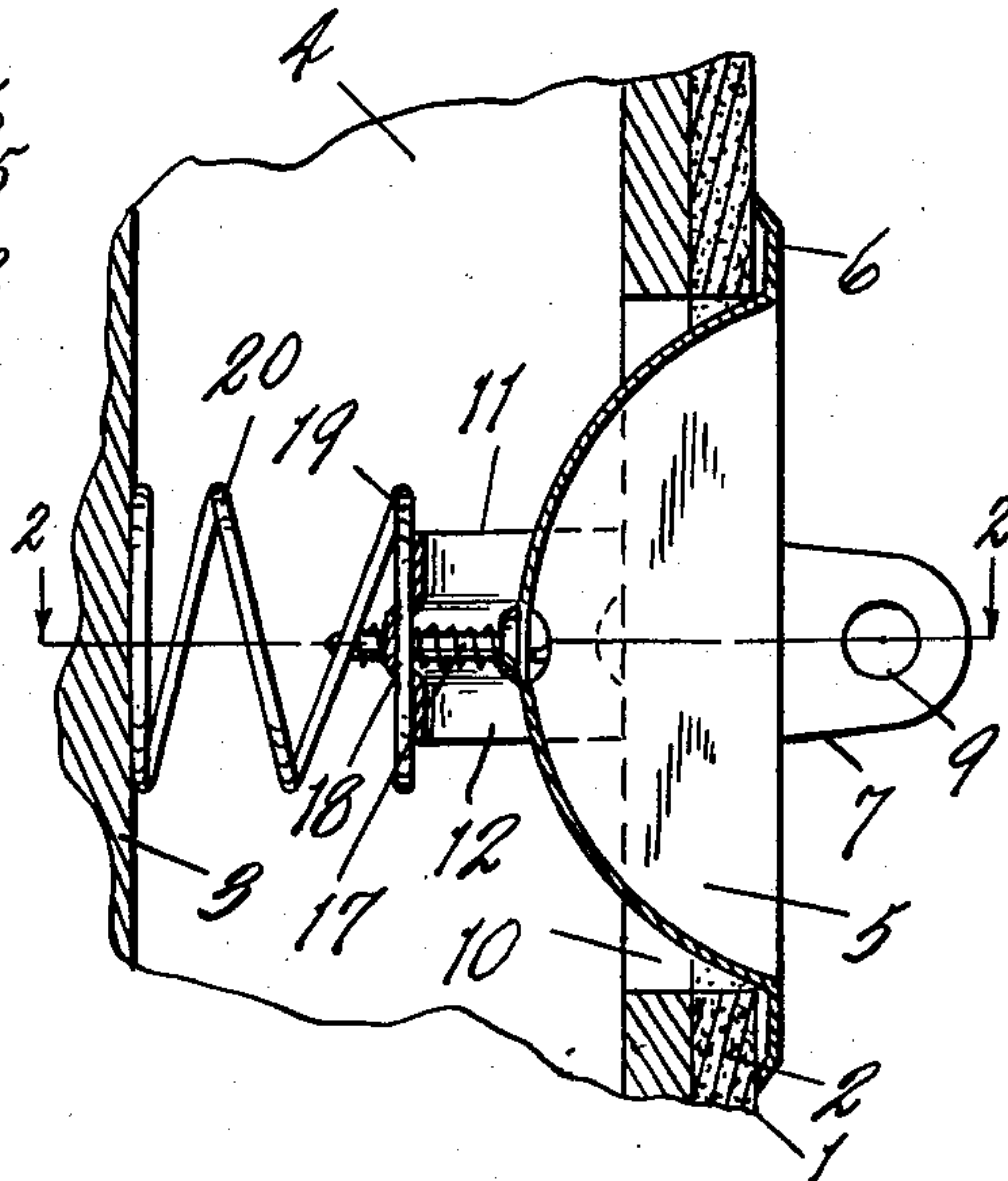


FIG. 3.

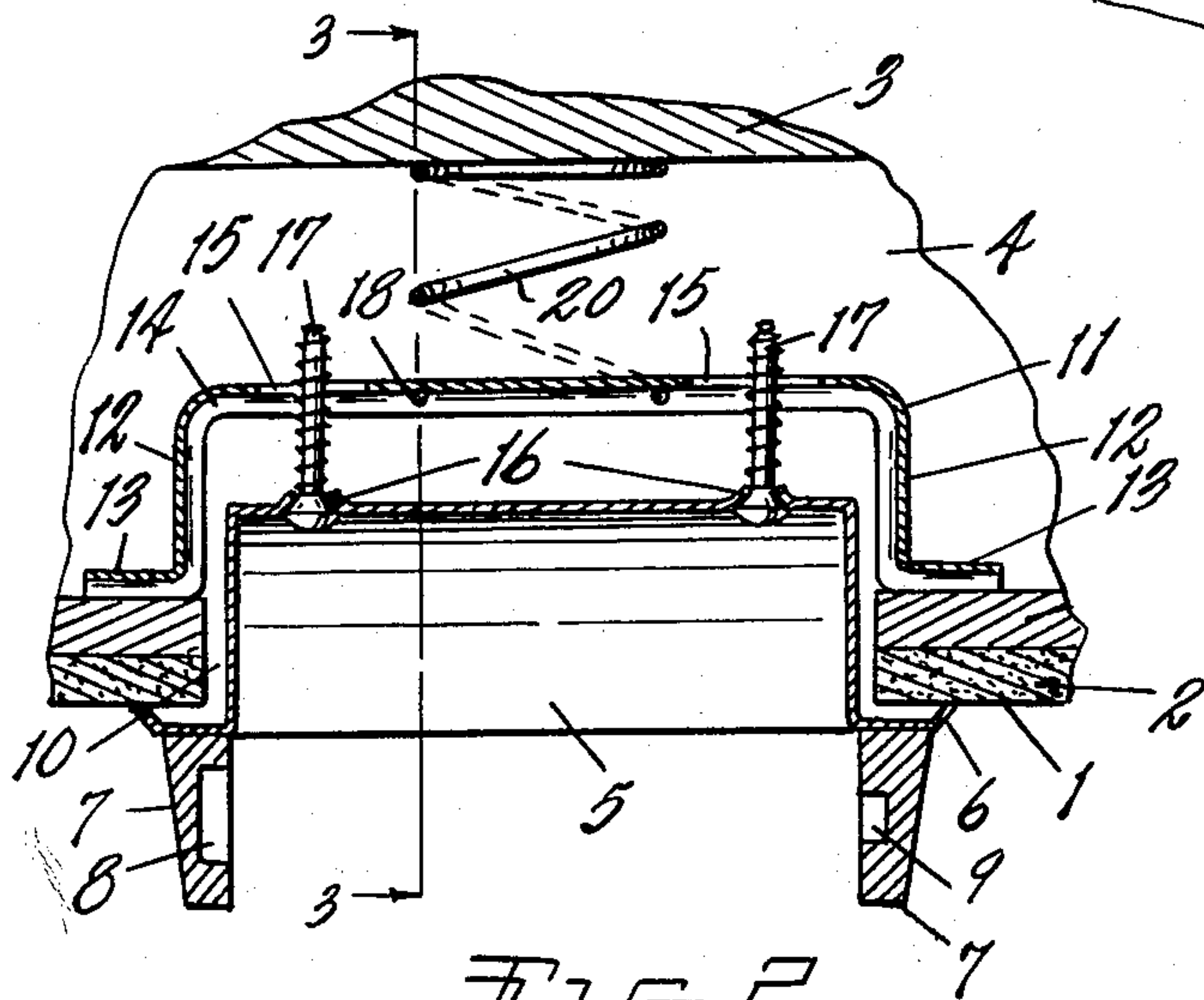


FIG. 2.

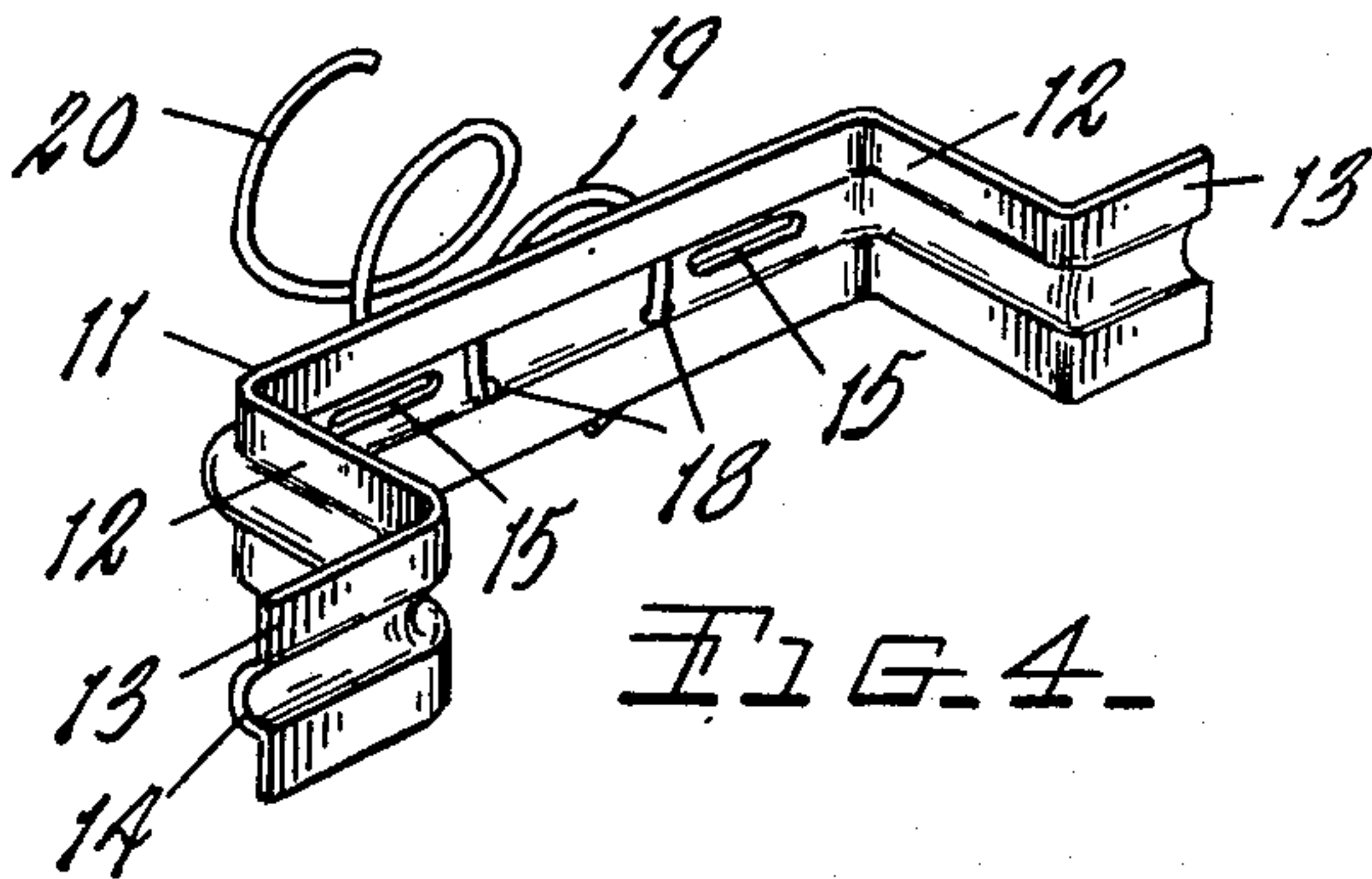


FIG. 4.

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3,180,595

## WALL FIXTURE MOUNTING

Ralph Brunsting, deceased, late of Kalamazoo, Mich., by  
Ralph O. Birkhold, executor, Kalamazoo, Mich., and  
Clarence M. Casselman, Kalamazoo, Mich., assignors  
to Ra-Ma Company, Inc., Kalamazoo, Mich., a corpo-  
ration of Michigan

Continuation of application Ser. No. 355,478, May 18,  
1953. This application Mar. 29, 1962, Ser. No. 204,028

1 Claim. (Cl. 248—27)

This application is a continuation of the now abandoned  
application by Clarence M. Casselman and Ralph Brunst-  
ing, Serial Number 355,478, filed May 18, 1953.

This invention relates to improvements in a wall fixture  
mounting.

The main objects of this invention are:

First, to provide a wall fixture mounting for toilet paper  
holders, handholds, and other bathroom fixtures, which  
greatly expedites the mounting of the fixtures and at the  
same time the fixture is securely mounted without mar-  
ring the wall on which it is mounted.

Second, to provide a fixture mounting in which the  
securing means for the fixture is inconspicuous.

Third, to provide a fixture mounting having these ad-  
vantages which is very economical in its parts and enables  
the mounting of fixtures by a relatively unskilled person.

Objects relating to details and economies of the inven-  
tion will appear from the description to follow. The  
invention is defined and pointed out in the claim.

A preferred embodiment of the invention is illustrated  
in the accompanying drawings, in which:

FIG. 1 is a front elevational view of a toilet roll fix-  
ture embodying the invention in mounted position on a  
wall, the wall being shown conventionally.

FIG. 2 is a fragmentary view in section on a line  
corresponding to line 2—2 in FIGS. 1 and 3, the attach-  
ing screws being shown in full lines.

FIG. 3 is a fragmentary view in vertical section on a  
line corresponding to line 3—3 of FIG. 2.

FIG. 4 is a perspective view of the holder member or  
mounting bracket of the invention.

It is a matter of quite common observation that the  
mounting of fixtures such as toilet paper holders, hand-  
holds, glass holders and other bathroom fixtures requires  
the services of a skilled workman and the expenditure of  
a very considerable amount of time and frequently the  
walls are objectionably marred, particularly where the  
fixtures are mounted after the wall is finished or decorated.  
One of the main objects of the invention is to provide a  
structure which enables the mounting of fixtures by rela-  
tively unskilled persons and with relatively short expendi-  
ture of time without marring the wall. The embodiment  
illustrated in the accompanying drawing enables the  
accomplishment of these objects.

In the accompanying drawing, 1 represents a chambered  
wall, 2 being the outer wall of the chamber and 3 the  
inner wall thereof. The space 4 is commonly present  
between the studding of walls. The fixture 5 illustrated  
is a toilet roll paper holder and is of generally dished  
or trough shape provided with an outturned flange 6 and  
with ears 7 provided with bearing openings 8 and 9 for  
a roll spindle. In mounting the fixture, an opening 10  
is formed in the wall, the opening being of suitable  
dimensions to receive the fixture with the flange 6 thereof  
overlapping the face of the wall and in supported engage-  
ment therewith.

The holder member 11 is of general U-shape, the arms  
12 of the holder member being provided with lateral  
extensions 13 which engage the inner side of the front  
wall portion 2 of the chambered wall in opposition to the  
flange 6 of the fixture or portions thereof. The holder  
member 11 is formed of bar or strip metal stock and

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desirably as a stamping. The holder member is provided  
with an inwardly projecting longitudinal rib 14. This  
rib reinforces the holder member as well as forming an  
attaching element for the spring 20. The rib is provided  
with longitudinally spaced longitudinally extending slots  
15.

In installing the fixture, the slots 15 are aligned with  
holes 16 in the fixture which rotatably receive the  
screws 17, the screws being of the so-called sheet metal  
type, that is they are threaded to engage an opening in  
a sheet metal part which is not correspondingly threaded.  
The rib 14 has longitudinal holes 18 therein through which  
the end coil 19 of the coil spring 20 is threaded, thus  
mounting the coil on the holder. This spring 20 is of such  
length as to engage the inner or rear wall 3 of the cham-  
bered wall.

In installing fixtures embodying the invention, an open-  
ing 10 of suitable size is formed in the wall. The  
holder member or bracket 11 is inserted through the open-  
ing and adjusted to position to bridge the opening with its  
ends in supported engagement with the inner side of the  
wall portion 2 and positioned to align the slots 15 thereof  
with the screw holes 16 in the fixture. The spring 20  
serves to hold the holder member in this position so that  
the screws 17 may be inserted in the opening 16 and  
engaged in the slots 15 and tightened to clamp the flange  
of the fixture against the outer side of the wall and the  
holder member against the inner side. This may be very  
quickly accomplished and the fixture is very securely  
mounted, the attaching means being concealed other than  
the heads of the screws with a fixture of the type  
illustrated.

We have only illustrated one type of fixture but it will  
be understood that other types of fixtures may be mounted  
in the same manner, providing the fixtures have flanges  
or other parts supportedly engageable with the outer side of  
the wall adjacent the opening formed therein. We will  
not attempt to illustrate or describe other structures or  
embodiments as it is believed that this disclosure will  
enable those skilled in the art to embody or adapt the  
invention as may be desired.

What is claimed as new is:

The combination with a fixture having a dished portion  
adapted to be positioned in an opening in the front wall  
of a chambered wall and supportedly engageable with the  
outer side of the front wall and provided with spindle  
bearings at its ends, the fixture having longitudinally  
spaced screw receiving openings therein, a holder mem-  
ber insertable through the opening in the wall and engage-  
able with the inner side of the wall in opposition to the  
portion of the fixture engageable with the outer side of the  
front wall, said holder member having a longitudinal  
reinforcing rib, the rib having longitudinally extending  
slots therein alignable with the said screw openings in said  
fixture and having spaced transverse holes therein, a  
coil spring having its front coil retainingly threaded into  
said holes in said rib and resting on the holder member  
on both sides of said rib, the spring projecting rearwardly  
from the holder member for engagement with the rear wall  
of the chambered wall for supporting the holder member  
in its adjusted position to facilitate the mounting of the  
fixture, and screws disposed in and rotatable in said  
screw openings in said fixture and having threaded engage-  
ment with said slots in said holder member.

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