

No. 845,142.

PATENTED FEB. 26, 1907.

J. J. SULLIVAN.
CEILING OR FLOOR PLATE.
APPLICATION FILED MAR. 9, 1906.

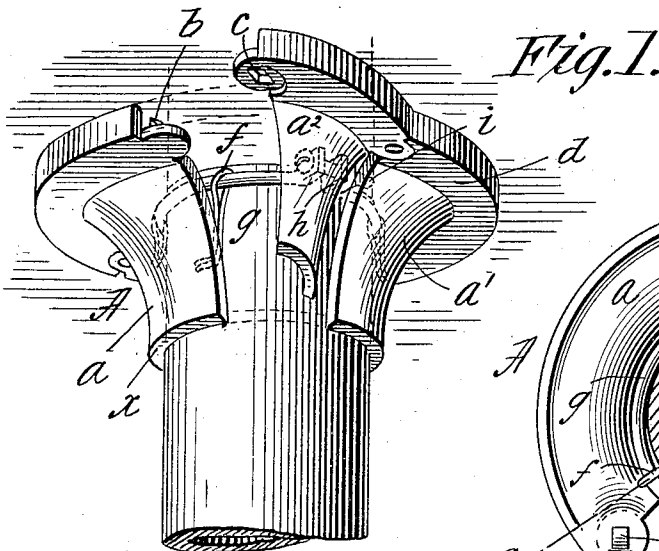


Fig. 1.

Fig. 2.

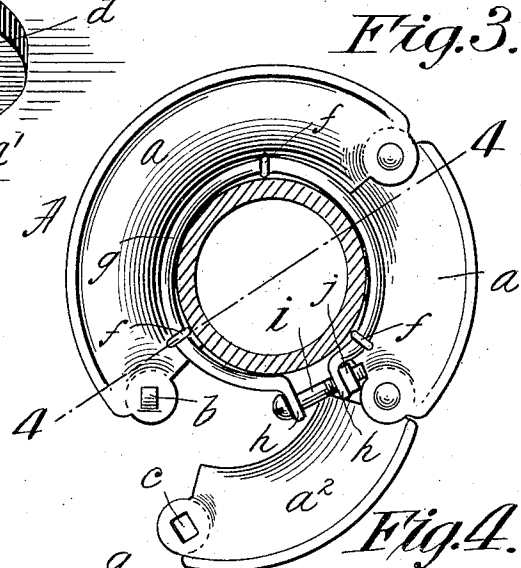
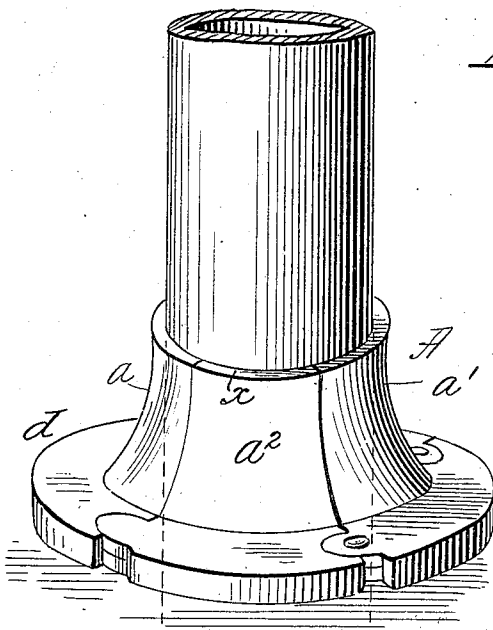


Fig. 3.

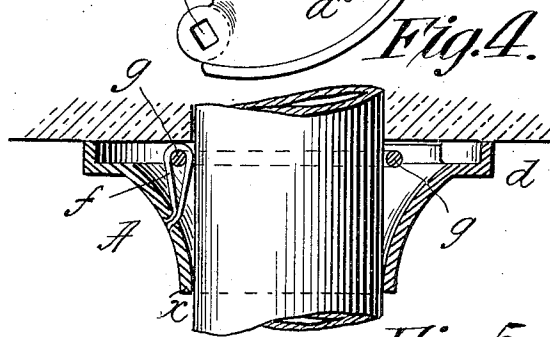
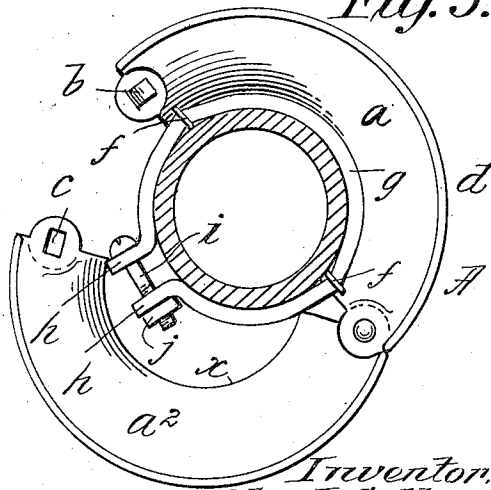


Fig. 4.

Fig. 5.



UNITED STATES PATENT OFFICE.

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CEILING OR FLOOR PLATE.

No. 845,142.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed March 9, 1906. Serial No. 305,186.

To all whom it may concern:

Be it known that I, JOHN J. SULLIVAN, a citizen of the United States of America, and a resident of Holyoke, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Ceiling or Floor Plates, of which the following is a full, clear, and exact description.

10 This invention consists in a fitting for ceiling or floor plates which comprises a pipe-surrounding sleeve-plate made in separable sections and means for detachably confining the sections in their closed relations, a constrictive pipe-embracing band supported by
15 and within the sectionally-formed sleeve-plate with its ends approached, and detachable means for constricting the band tightly about a pipe and confining it in its binding
20 engagement.

By the utilization of a ceiling or floor plate such as above indicated to inclose a steam, water, or other pipe concealing the joint or place where the pipe passes through the ceiling, floor, or wall, to the end of sightliness, the sleeve-like fitting, which may be more or less ornamental externally, may be brought to encircling relation about the pipe at any time and even after the piping has been installed and so connected or bound to the pipe
30 as to be prevented from dropping down from the ceiling, creeping away from the wall, or in any way becoming displaced from its desired position.

35 The fitting is illustrated in the accompanying drawings and indicating its availability equally well next to a ceiling or floor, and Figures 1 and 2 are perspective views showing two of the fittings, the upper one having
40 a separable section thereof partially opened for clearer illustration. Fig. 3 is a plan view of Fig. 1. Fig. 4 is a vertical sectional view on line 4 4, Fig. 3. Fig. 5 is a plan view similar to Fig. 3, but showing the sleeve-plate
45 made of two instead of three jointed sections.

Similar characters of reference indicate corresponding parts in all of the views.

In the drawings, A represents the pipe-surrounding sleeve-plate made in separable
50 sections, the same in the form shown in Figs. 1, 2, and 3 comprising three semi-annular sections a , a' , and a'' , while the one shown in Fig. 5 comprises two half annular sections a and a' , each section being pivotally connected to the next and contiguous portions of two of the sections being made with a catch device—

such, for instance, as an integrally-formed latch-lug b on one part and an engagement-socket c on the other.

The sleeve-plate is to have a portion x to 60 more or less closely fit a pipe of given size, the same being widened or flaring more or less to create an annular space between it and the pipe and having a widened flanged portion d to fit against the floor, wall, or ceiling, and the sectionally-made sleeve-plate may be variable in contour and design, elaborately ornamental, or quite plain.

One or more of the sleeve-plate sections has band-engagement loops f secured there- 70 to and therewithin, it being practicable to effect the anchorage of the loops with the plate-sections in the casting process.

g represents the constrictive pipe-embracing band located within the flaring sleeve- 75 plate engaged through the aforementioned loops f , and thereby having connection with the sleeve-plate. This band g may advantageously be of metal, of wire or strap form, and has at its ends, which are approached, 80 but which do not overlap or meet, outwardly-turned ear-lugs h , perforated for the reception therethrough of the shank of a bolt i , the head of which is in bearing against the outer side of one ear-lug, while a squared 85 nut j screw-engages the threaded extremity of the bolt and bears against the outer face of the other ear-lug and by reason of its squared formation and engagement with the portion of the band g at its junction with the ear-lug 90 is non-rotative, and therefore with the parts in place about a pipe and one of the sleeve-plate sections swung more or less open a person may with a screw-driver engaging in the slotted head of the bolt turn the same in 95 relation to the nut for tightening the band about the pipe or for its loosening when the fitting is to be removed.

Changes may be made within the scope of this invention, it being immaterial as to the 100 means for holding closed the separable sleeve-section, and the constrictive band g is not dependent for its support by and connection with the sleeve-plate or for the constriction thereof about the pipe on the devices of the 105 precise construction shown and pointed out.

I claim—

1. A fitting of the character described comprising a pipe-surrounding sleeve-plate made in separable sections and means for detachably confining the sections in their closed 110 relations, a constrictive pipe-embracing band

supported by and within the sectionally-formed sleeve-plate with its ends approached, and detachable means for constricting the band tightly about a pipe and confining it in its binding engagement.

2. A fitting for the purpose described comprising a pipe-surrounding sleeve-plate made in separable sections and means for detachably confining the sections in their closed relations, and provided with band-engagement loops secured thereto and therewithin, a constrictive pipe-embracing band engaged there-through and retained by said loops and having its ends approached, and detachable means for constricting and holding the band tightly about a pipe.

3. A fitting of the character described comprising a pipe-surrounding sleeve-plate made in separable sections and means for detachably confining the sections in their closed relations, a constrictive metallic pipe-embracing band internally connected with and supported by the sectionally-formed sleeve-plate, with its ends approached, and formed with outwardly-turned ear-lugs, and a headed

bolt, having its shank engaged through said ear-lugs, and provided with a nut for bearing against one of said ear-lugs.

4. A fitting of the character described comprising a pipe-surrounding sleeve-plate made in separable sections and means for detachably confining the sections in their closed relations, a constrictive metallic pipe-embracing band internally connected with and supported by the sectionally-formed sleeve-plate, with its ends approached, and formed with outwardly-turned ear-lugs, and a headed bolt, having its shank engaged through said ear-lugs, and provided with a nut in bearing against one of said ear-lugs and having a non-rotative engagement with the band, and the head of such bolt being made with a slot.

Signed by me at Springfield, Massachusetts, in presence of two subscribing witnesses.

JOHN J. SULLIVAN.

Witnesses:

WM. S. BELLOWS,
G. R. DRISCOLL.