

(No Model.)

A. T. BISHOP.
FLOOR AND CEILING PLATE FOR PIPES.

No. 511,036.

Patented Dec. 19, 1893.

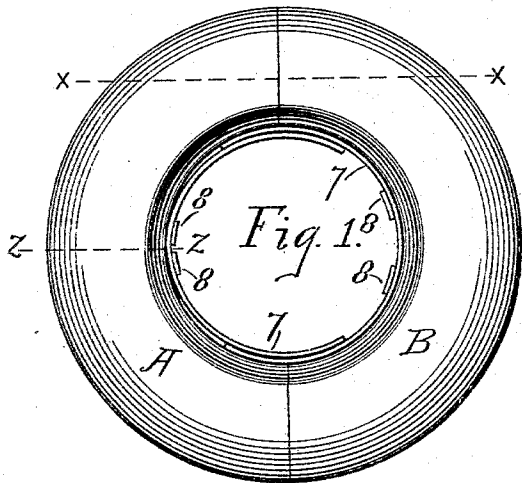


Fig. 4.

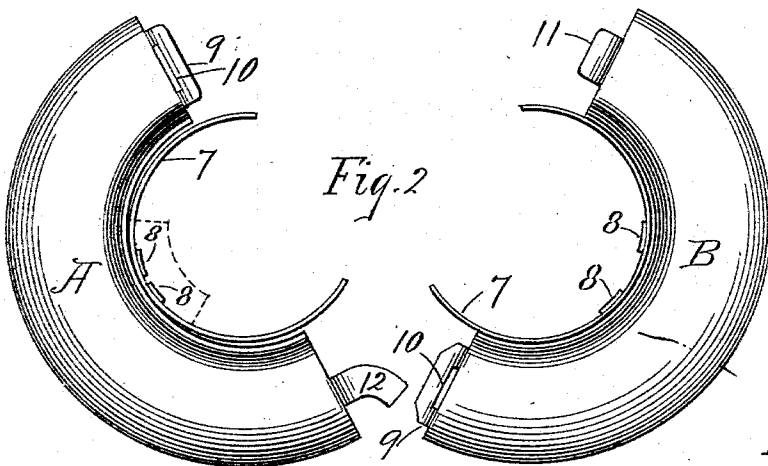
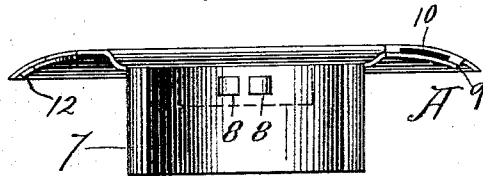
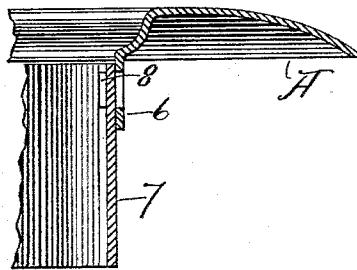
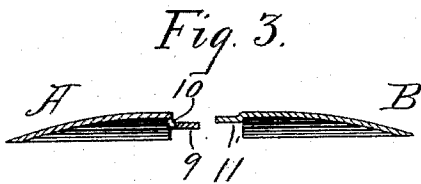


Fig. 5.



Witnesses
G. W. Stipek
C. Darwin Loomis Jr

Inventor
Albert T. Bishop.
By James Shepard.
Atty.

UNITED STATES PATENT OFFICE.

ALBERT T. BISHOP, OF SOUTHTON, CONNECTICUT.

FLOOR OR CEILING PLATE FOR PIPES.

SPECIFICATION forming part of Letters Patent No. 511,036, dated December 19, 1893.

Application filed May 1, 1893. Serial No. 472,511. (No model.)

To all whom it may concern:

Be it known that I, ALBERT T. BISHOP, a citizen of the United States, residing at Southington, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Floor or Ceiling Plates for Pipes, of which the following is a specification.

My invention relates to improvements in floor and ceiling plates for pipes, and the objects of my improvement are simplicity and economy in construction, convenience in use and efficiency in the finished article.

In the accompanying drawings: Figure 1 is a plan view of my floor or ceiling plate. Fig. 2 is a like view of the same with the parts separated from each other. Fig. 3 is a sectional view on the line *xx* of Fig. 1. Fig. 4 is a side elevation of one part looking upon its inner face, and Fig. 5 is a sectional view of one part on the line *zz* of Fig. 1.

I form my plate principally of two parts A and B, the same being preferably struck up from sheet metal into any desired form so far as ornamental appearance is concerned. I provide each of these parts with an inwardly turned flange or lug 6, Fig. 5, as indicated by broken lines in Fig. 4, while the position of said lug before being swaged into place is indicated by broken lines in Fig. 2. To these flanges or lugs 6, I secure springs 7, the same being essentially of cylindrical or circular form, but stopping short of a complete circle or cylinder. These springs may be secured to these flanges or lugs 6 in any proper manner, as for example, by means of rivets or by means of lugs 8 cut and bent from the body of the flanges as shown. On each of the parts A and B I form at one end a tongue 9 which is depressed or offset a little from the surface of the parts A B so as to make its upper face about the thickness of the metal below the under face of the main part, and within the offset portion I form a mortise 10 as shown. The part B is provided at its opposite end with a tenon 11 which is adapted to enter the mortise in the confronting end of the com-

panion part. The part A at the end opposite this mortise is provided with a curved tenon 12 for fitting in the mortise of the companion part. If desired both parts might be made alike and each provided with a plain tenon 11, but for additional security I prefer to have the curved tenon. The parts are placed upon a pipe by first slipping the spring of one part over the pipe, then bringing the two parts into substantially the relative position shown in Fig. 2, inserting the curved tenon in the confronting mortise of the companion part and then springing the other part toward the pipe to push the other spring thereon and bring the tenon and mortise at the opposite end of the parts together as shown in Fig. 1. The tenons and mortises will thus securely hold the plates in the same plane, while the springs 7 will firmly clasp the pipe and hold the plate at the desired elevation thereon.

I claim as my invention—

1. The herein described floor and ceiling plate, consisting of the two part rim having tenons and mortises at their confronting ends and the cylindrical springs 7 on said parts for encircling the pipe, substantially as described and for the purpose specified.

2. The parts A B, each of which is provided with the offset tongues 9 having mortises 10 while the opposite end of one part is provided with a plain tenon 11 and the opposite end of the companion part provided with a curved tenon 12, substantially as described and for the purpose specified.

3. The herein described struck up sheet metal floor and ceiling plate consisting of the parts A, B, each having at one end the tongue 9 with the off set at its junction with said part and the mortise 10 formed in said offset and at the opposite end a tenon for entering said mortise, substantially as described and for the purpose specified.

ALBERT T. BISHOP.

Witnesses:

EDWIN G. LEWIS,
FRED C. WILLIAMS.