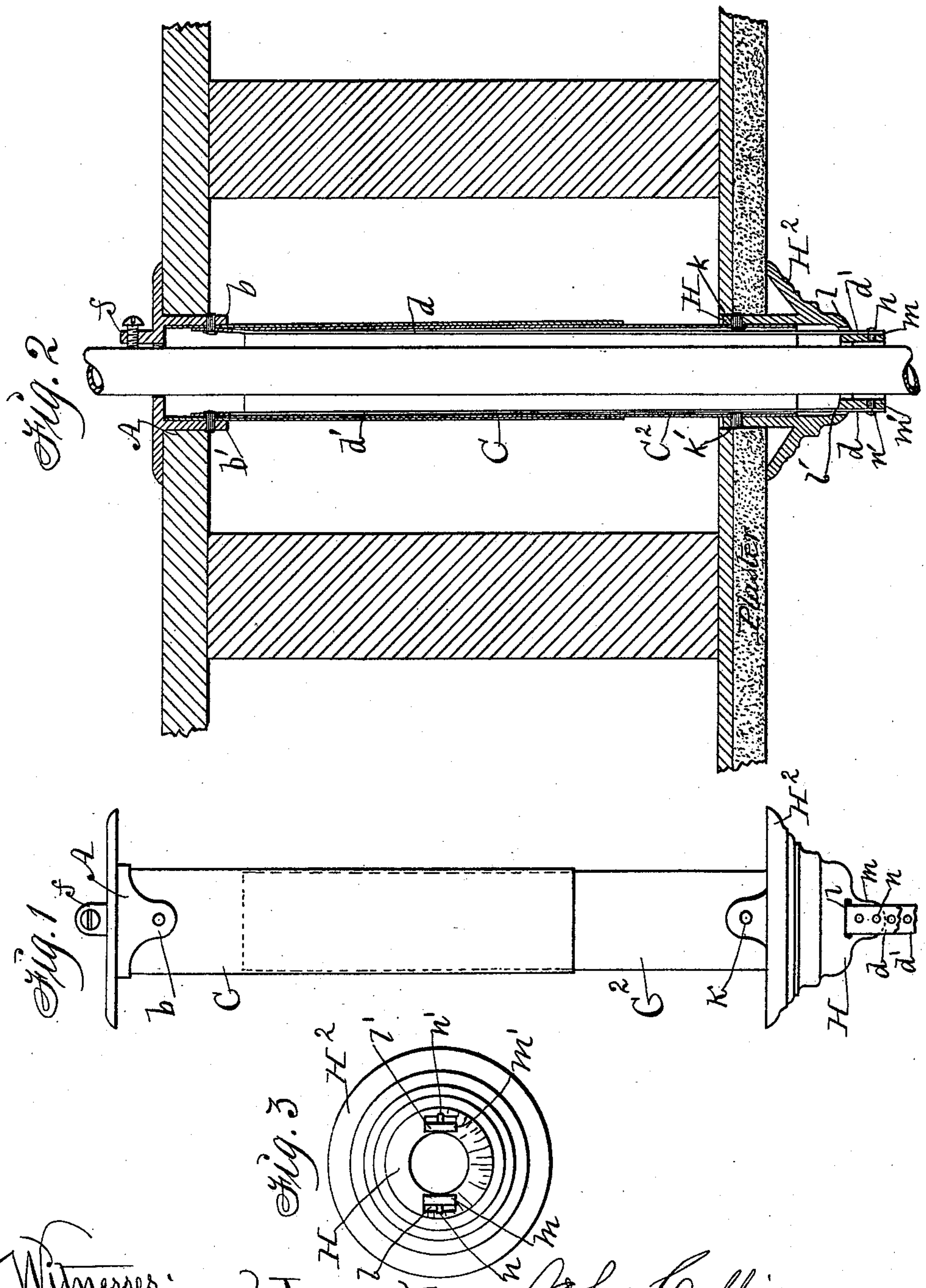


(No Model.)

J. COLLIS.
STEAM PIPE SLEEVE.

No. 539,119.

Patented May 14, 1895.



Witnesses:
C. F. Wilcox.
R. H. Orwig.

Inventor: John Collis,
By Thomas G. Orwig, Attorney.

UNITED STATES PATENT OFFICE.

JOHN COLLIS, OF DES MOINES, IOWA.

STEAM-PIPE SLEEVE.

SPECIFICATION forming part of Letters Patent No. 539,119, dated May 14, 1895.

Application filed July 30, 1894. Serial No. 519,047. (No model.)

To all whom it may concern:

Be it known that I, JOHN COLLIS, a citizen of the United States of America, residing at Des Moines, in the county of Polk and State of Iowa, have invented an Improved Steam-Pipe Sleeve, of which the following is a specification.

My object is to provide a sleeve that is complete in two parts that can be extended through a ceiling and below it in such a manner that it can be adjusted in length, after the ceiling is plastered, to produce a neat finish around a steam-pipe at the bottom of the ceiling, and I accomplish the results contemplated by the invention hereinafter set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 is a view of the complete device ready to be applied. Fig. 2 is a section of a floor and ceiling, showing the device in section and in position as required for practical use. Fig. 3 is a bottom view of the flanged lower end of the sleeve that is adapted to be adjusted relative to the ceiling after the plastering is finished.

A represents the top of the sleeve in the form of a cast metal collar that has an annular flange adapted to overlie a floor. It has perforated ears, b and b' , through which rivets are passed for fixing jointly thereto a sheet metal sleeve section C and metal strips d and d' . It also has a perforated lug f projecting upward and a set screw therein adapting the complete device to be clamped fast to a steam pipe and suspended in proper position between joints before a floor is laid upon the joists. When a sleeve is not connected with this flanged collar A it can be advantageously used to cover the opening in a floor around the steam pipe because it is readily fastened to the pipe in such a manner that it can be raised from the floor and suspended by the pipe while laying the floor or making repairs. After a floor is laid and supports the flanged sleeve section or collar A, I disconnect the collar from the steam pipe and break off the lug f . The collar and complete sleeve will then not be affected by any expansion or movement of the steam pipe.

H is a cast metal sleeve section that has an integral flange H^2 adapted to overlie the plaster around a steam pipe as required to

produce a neat finish. It also has perforated ears, k and k' , through which rivets are passed for fixing thereto the lower end of a sheet metal section C^2 that is telescopically connected at its top end with the lower end of the mating section C fixed to the cast metal top A. It also has slots marked l and l' , at its lower and partially closed end, through which the free ends of the metal straps d and d' are extended downward.

m and m' are integral projections at the sides of the slots l and l' , and n and n' are studs on said projections adapted for connecting the metal straps therewith. The said straps are provided with perforations adapted to admit the said studs as hereinafter stated.

In applying the complete sleeve it is obvious it can be suspended by clamping the top A to a steam pipe extended therethrough by means of the lug f and a set screw, or by letting the annular flange of the top rest upon a floor, as shown in Fig. 2.

The flanged sleeve section H suspended by means of the perforated straps d and d' , detachably and adjustably connected with the studs n and n' , can readily be lowered so that the flange H^2 will allow the ceiling to be plastered around the steam pipe when it can be elevated to cover the plastering around the pipe, as shown in Fig. 2, and retained there by means of the metal straps that extend down through the slots l and l' to be connected with the lugs n and n' . After the sleeve is thus placed and adjusted the lower free ends of the metal straps d and d' are cut off and the work is finished.

It is obvious the top A, having a perforated lug f , can be used advantageously without connecting a sleeve therewith.

It is also obvious the collars A and H can be connected to overlie the floor and the ceiling without combining the sheet metal sleeve section C and C^2 therewith.

I claim as my invention—

1. An improved steam-pipe sleeve comprising a top piece having an annular flange, a sheet metal sleeve section fixed thereto to extend downward, a second and mating sheet metal section telescopically connected with the first named sheet metal section, a cast metal tube section having an annular flange and slots in its bottom and studs below the

slots fixed to the lower end of the second sheet metal section, and perforated metal strips fixed to the top piece and extended down through said slots and adjustably connected with said studs; all arranged and combined to apply in the manner set forth for the purposes stated.

2. An adjustable sleeve for steam pipes comprising a cast metal section or collar having an annular flange adapted to overlies a floor and downwardly projecting perforated ears for connecting a sheet metal sleeve and metal strap therewith, a sheet metal section connected to the said perforated ears, a second sheet metal section telescopically connected with the first named sheet metal section, a cast metal section having an annular flange adapted to overlies a ceiling and the bottom portion of the section contracted and provided with slots, metal straps fixed to the perforated ears of the section at the top and extended down through the said slots in the lower or bottom section and fastened to the lower sec-

tion, and means for fastening the top section, or collar to a steam pipe all arranged and combined to operate in the manner set forth for the purposes stated.

3. The combination of a collar having a horizontal flange adapted to rest upon a floor, means for clamping the collar fast to a steam pipe, perforated ears projecting downward from the bottom of the collar, a second collar having a flange adapted to overlies a ceiling, ears projecting downward from the bottom, slots at the sides of the said ears, and metal straps fixed to the perforated ears of the upper collar and extended through said slots in the lower collar and adjustably and detachably connected with the ears at the bottom of the lower collar, and a steam pipe, in the manner set forth for the purposes stated.

JOHN COLLIS.

Witnesses:

J. RALPH ORWIG,
THOMAS G. ORWIG.