

Apr. 10, 1923.

H. J. LE COMPTE
STOVEPIPE FASTENER

Filed Dec. 24, 1920

1,451,043

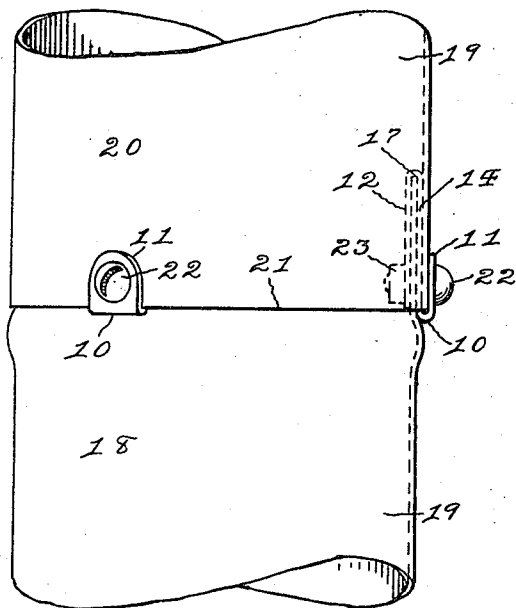


Fig. 1.

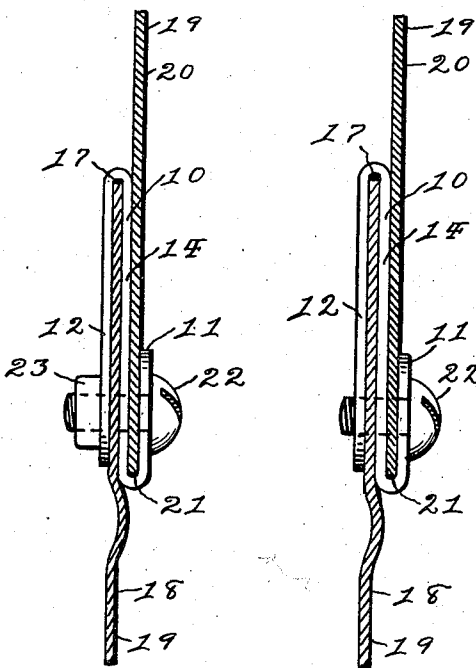


Fig. 2. Fig. 3.

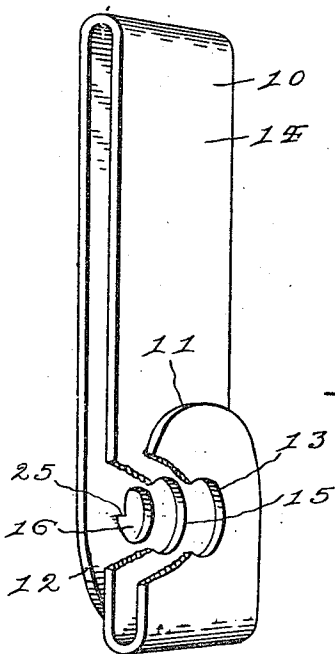


Fig. 4.

Fig. 5.

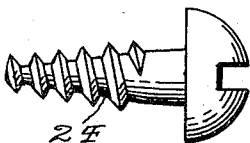
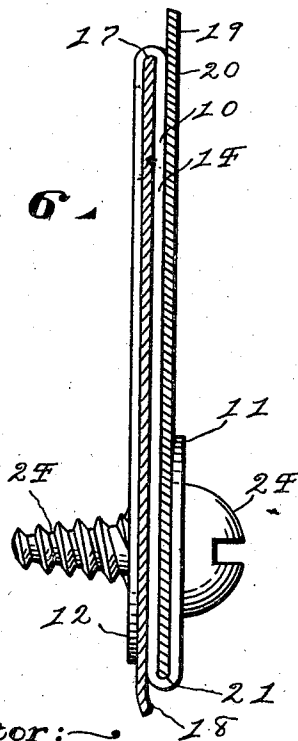


Fig. 6.



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UNITED STATES PATENT OFFICE.

HARRY J. LE COMPTE, OF OKLAHOMA, OKLAHOMA.

STOVEPIPE FASTENER.

Application filed December 24, 1920. Serial No. 432,950.

To all whom it may concern:

Be it known that I, HARRY J. LE COMPTE, a citizen of the United States, and a resident of Oklahoma, in the county of Oklahoma and State of Oklahoma, have invented certain Improvements in Stovepipe Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

The object of the invention is to provide a cheap, simple, and convenient fastener for joints of stove pipe.

Figure 1 of the drawings is a fragmental elevation view showing two joints of stove pipe with the improved fastener in use thereon.

Figure 2 is an enlarged sectional view taken in the same direction as Figure 1, showing one form of the fastener.

Figure 3 is a reproduction of Figure 2, but showing a slightly modified form of the fastener.

Figure 4 is a perspective view of the main portion of the fastener in which thinner sheet metal is used, portions being broken away to show certain holes.

Figure 5 is an elevation view of a modified form of screw on still larger scale than Figures 2 and 3.

Figure 6 is a sectional view in the same direction as Figures 2 and 3 and on the same scale as Figure 5.

Like characters of reference designate like parts in all the figures.

In arranging the improved fastener, a strip 10 of strap metal or sheet metal is employed, one end portion 11 of this strip being folded back along one of its faces, and the other end portion 12 likewise folded back along its opposite face; thus forming the strip into an S.

The folded end portion 11 of the strip 10 is provided with a hole 13; the central portion 14 with a hole 15; and the other folded portion 12 with a hole 16; the holes being so alined that a bolt or screw may be passed through them.

In applying the fastener, the crotch between its central portion 14 and its folded end portion 12 is placed astride the upper

edge 17 of the lower section 18 of the stove pipe 19, and the upper section 20 of said pipe is forced down over said lower section, the lower edge 21 of said section 20 passing down into the crotch between said central portion 14 and the folded end portion 11 as shown.

It is usually preferable to use a number of fasteners, for example, three, at each joint of the pipe 19, having them an equal distance apart around the pipe.

After the pipe sections 18 and 20 are forced together, holes for bolts or screws may be punched through the walls of the pipe sections to correspond with the holes 13, 15, and 16.

As shown in Figure 2, a bolt 22 may be used to hold the parts in assemblage; said bolt passing through the outer folded end portion 11 of the strip 10; through the wall of the upper pipe section 20; through the central portion 14 of the strip; through the wall of the lower pipe section 18; and through the upper folded end portion 12 of said strip; the bolt being provided with a nut 23 which is screwed up tightly to clamp all said parts together.

In place of using the nut 23, the hole 16 of the folded end portion 12 may be screw-threaded to receive the bolt 22.

It is often found convenient to make the strip 10 of stove-pipe iron or other sheet material which, however, is too thin to have threads cut in it; and when the thin metal is used the hole 16 in the thin folded end portion 12 may be made smaller than the holes 13 and 15 and the screw of special tapered form shown in Figure 5 may be used, this screw splitting the metal at one edge of the opening 16 as at 25 and engaging said edge as a single thread.

With the parts arranged and assembled in the manner shown, the folded end portions 11 and 12 act as washers to prevent the bolt 22 or screw 24 from being pulled through the walls of the pipe sections 18 and 20.

When the stove pipe stands vertical the S-shaped fasteners may be used without bolts 22 or screws 24, and will limit the dis-

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tance that the two pipe sections telescope together.

The following is claimed:—

5 A stove pipe fastener comprising a metal strap shaped to form oppositely disposed open ended crotches arranged to receive the ends of telescoped stove pipe sections and

removable and replacable means for extension through the fastener for drawing its elements to clamp the ends of the pipe sections. 10

Witness my hand this 3rd day of December, 1920.

HARRY J. LE COMPTE.