Oct. 14, 1924. 1,511,562

G. J. HUEBNER

STOVEPIPE ANCHOR

Filed Nov. 5, 1923

Fig. 1.

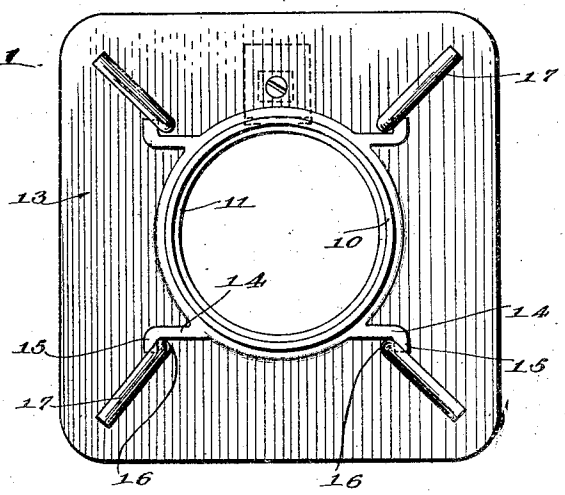


Fig. 2.

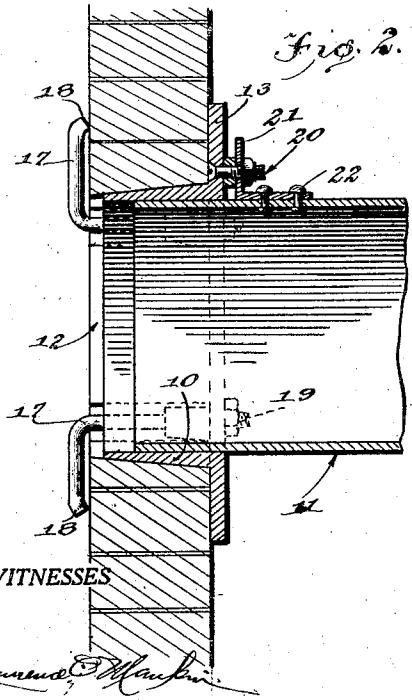
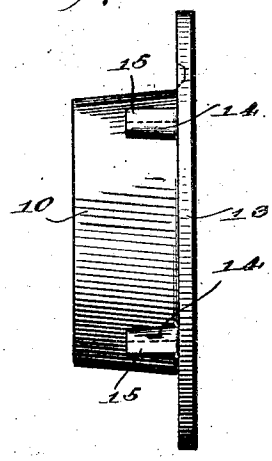


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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STOVEPIPE ANCHOR.

Application filed November 5, 1923. Serial No. 672,933.

To all whom it may concern:

Be it known that I, GEORGE JULIUS HUEBNER, a citizen of the United States, and a resident of Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Stovepipe Anchors, of which the following is a specification.

My present invention relates generally to stove pipe fasteners and more particularly to a thimble for securing a stove pipe within a chimney opening which combines therewith a plate disposed in effective position around the stove pipe so as to conceal the edge of the chimney aperture.

The primary object of my invention is the provision of a simple inexpensive device of this nature which may be readily installed in use, which will be durable and effective and which will be economical both in first cost and upkeep.

In the accompanying drawing which illustrates my present invention and forms a part of this specification,

Figure 1 is an end view looking at that end of the complete device which extends inside the chimney opening,

Figure 2 is a vertical longitudinal section through the complete device in its practical application, and

Figure 3 is a side view of the device with the anchor bolts and stove pipe bolt removed.

Referring now to these figures my invention proposes a combined stove pipe thimble and chimney plate consisting of a cylindrical body 10 adapted to telescope the end of a stove pipe 11 and to project into a chimney opening 12 as in Figure 2, this cylindrical body preferably having a tapering wall which facilitates its manufacture and being provided around one end with a continuous outstanding flange 13 which forms the chimney plate. This flange as seen in Figure 2 surrounds the stove pipe 11 in the effective position and conceals the outer edge of the chimney opening 12 into which the stove pipe and the thimble project.

The body 10 and its plate 13 are preferably cast and the tapering of the wall of the body 10 facilitates removal of the body from the molding sand. The body and plate are also molded with a series of lugs 14 outstanding at a tangent from the body 10 along a portion of the length of the latter and connecting at their ends with the inner face of the flange 13 so that these lugs 14 with their angular outer ends 15 thus form braces for the flange 13 at spaced points around the body.

The flange or plate 13 is provided at spaced points around the body with apertures 16 for the reception of the threaded stems of angular anchor bolts 17 whose angular ends are turned outwardly in practice at the inner end of the chimney opening 12 and are provided with bent extremities 18 so as to effectively engage the inner surface of the chimney at points around the chimney opening. The opposite or threaded ends of the bolts 17, passing through the openings 16 of the chimney plate 13 are engaged by nuts 19 by means of which the anchor bolts may be tightened to securely hold the thimble in place.

It will be noted that the openings 16 through the thimble plate 13 are in line with one side of the lugs 14 so that the anchor bolts 17 will thus be braced and held in horizontal positions during introduction of the device in use as well as thereafter; by virtue of the engagement of the bracing lugs 14 with the said anchor bolts along portions of the length of the latter in addition to which these lugs 14 form reinforcing brackets between the body 10 and the flange or plate 13 which they join at one end.

In addition to the anchor bolt openings the chimney plate or flange 13 is provided at one point with an opening through which a stove pipe holding bolt 20 extends, this bolt being intended for connection through one portion of an angular bracket 21 whose other angular portion is riveted or otherwise secured as at 22 to the stove pipe 11.

It is obvious that in installing the apparatus the angular ends of the anchor bolts 17 are turned inwardly and then these bolts again turned to shift their angular ends outwardly upon the inside of the chimney before the nuts 19 are tightened to clamp the thimble in place within the chimney opening.

It is furthermore obvious that my invention provides a simple inexpensive construction as well as one which will not only be lasting and durable but which will be effective and efficient in use.

I claim:

1. A stove pipe thimble and chimney plate consisting of a cylindrical body having a

flange surrounding one end and forming a chimney plate, said flange having a series of anchor bolt receiving apertures, anchor bolts adjustable through said apertures and having angular ends, and lugs formed along the body and in connection at one end with said flange at spaced points around the body, said lugs reinforcing the flange and engaging and supporting the said anchor bolts in horizontal positions.

2. A stove pipe thimble and chimney plate consisting of a cylindrical body having an outstanding flange continuously around one end thereof, the flange being provided with apertures at spaced points around the body contiguous to the latter and paralleling its axis, anchor bolts adjustable through said apertures and having angular ends beyond the opposite end of the body, and means formed on the body in bracing and reinforcing connection with said flange, said means being arranged to engage the anchor bolts intermediate the ends of the latter and hold the same in horizontal positions.

GEORGE JULIUS HUEBNER.