

E. E. MORLAN.
STOVEPIPE FASTENER.
APPLICATION FILED JULY 19, 1912.

1,058,083.

Patented Apr. 8, 1913.

Fig. 1.

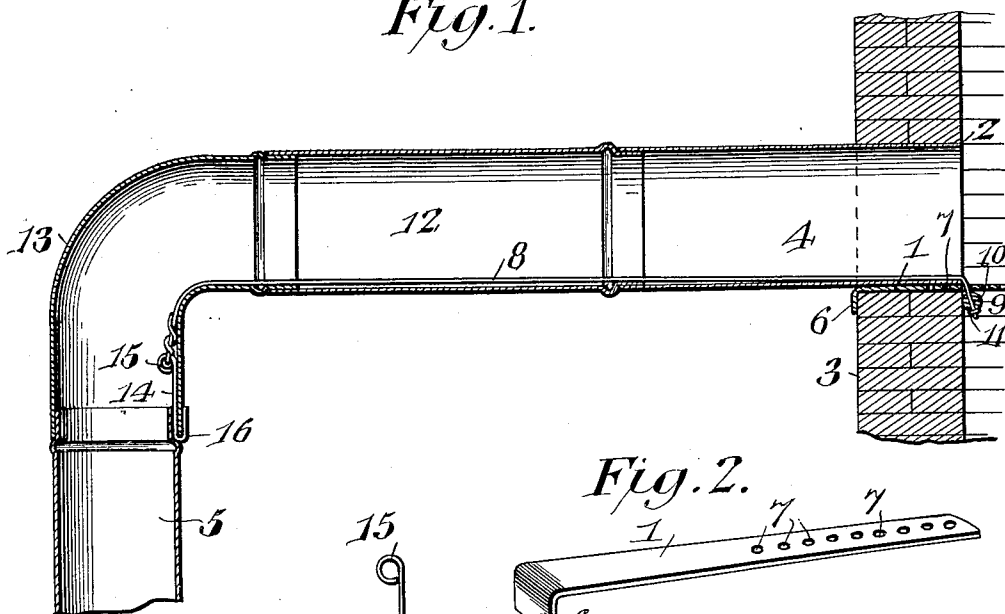


Fig. 2.

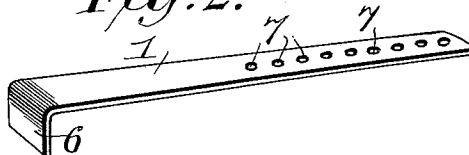


Fig. 3.

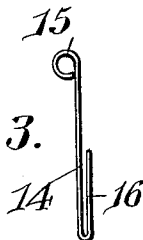


Fig. 4.



Fig. 5.

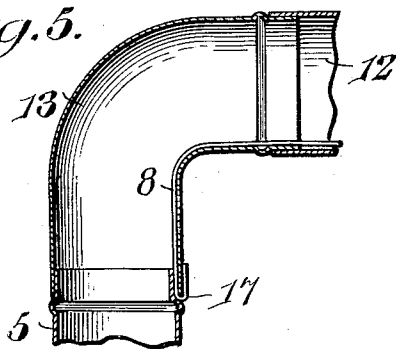
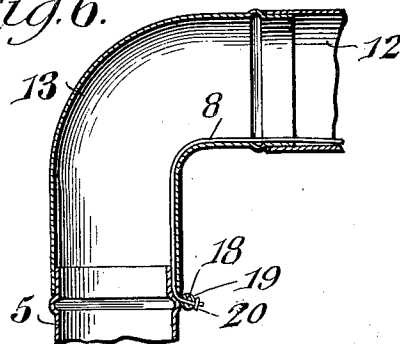


Fig. 6.



WITNESSES

Jas. E. McLaughlin
J. F. Riley

Ernest E. Morlan, INVENTOR

BY

E. G. Siggers

ATTORNEY

UNITED STATES PATENT OFFICE.

ERNEST EARL MORLAN, OF COLUMBIA, MISSOURI.

STOVEPIPE-FASTENER.

1,058,083.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ERNEST E. MORLAN, a citizen of the United States, residing at Columbia, in the county of Boone and State of Missouri, have invented a new and useful Stovepipe-Fastener, of which the following is a specification.

The invention relates to improvements in stove pipe fasteners.

10 The object of the present invention is to improve the construction of stove pipe fasteners, and to provide a simple, inexpensive and efficient stove pipe fastener, capable of firmly holding together a plurality of stove
15 pipe sections and of securely retaining the stove pipe in the stove hole of the chimney and of effectually preventing the stove pipe from slipping or pulling out.

20 A further object of the invention is to provide a device of this character, adapted to be applied to a stove pipe without the aid of tools and which will be concealed from view.

25 With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims here-
30 to appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to with-
out departing from the spirit or sacrificing any of the advantages of the invention.

35 In the drawing:—Figure 1 is a longitudinal sectional view of a portion of a stove pipe provided with a fastener, constructed in accordance with this invention. Fig. 2 is a detail perspective view of the chimney en-
40 gaging plate or bar. Fig. 3 is a detail perspective view of the hook. Fig. 4 is a detail perspective view of the connecting wire and the anchoring member. Fig. 5 is a detail sectional view, illustrating another form of
45 hook. Fig. 6 is a similar view, illustrating another means for securing the front or outer end of the wire to the stove pipe.

50 Like numerals of reference designate corresponding parts in all the figures of the drawing.

In the accompanying drawing in which is illustrated the preferred embodiment of the invention, 1 designates an attaching plate or bar, constructed of suitable metal and adapted
55 to be arranged in a stove pipe opening 2 of a chimney 3 or other flue. The attaching

plate or bar 1, which extends inwardly at the bottom of the opening 2 of the chimney 3, is interposed between the bottom wall of the opening and the rear section 4 of the stove pipe 5, and it is provided at its outer end with a depending flange 6, forming a stop for engaging the exterior of the chimney 3.

60 The attaching plate or bar, which is of a length to project into the chimney beyond the front wall thereof, is provided in its inner portion with a series of perforations 7, arranged at suitable intervals and adapted to receive a wire 8 and permit the same
70 to be adjusted to accommodate the device to the thickness of the wall of the chimney or flue. The wire, which preferably consists of ordinary stove pipe wire, constitutes a flexible connecting member, and it is
75 equipped at its inner or rear end with a transverse engaging member 9, located at the lower face of the inner portion of the attaching plate or bar and engaging the inner face of the front wall of the chimney
80 and cooperating with the front flange 6 to securely fasten the attaching plate or bar in the stove pipe opening of the chimney. The transverse member 9, which is preferably round, may be constructed of any suitable metal, and it is provided with a central
85 perforation 10 through which the wire passes. The inner or rear terminal 11 of the wire is bent or twisted to form a stop for securing it in the perforation of the transverse member.

90 The connecting wire 8 extends through the horizontal top sections 4 and 12 of the stove pipe and downwardly through the elbow 13 and is connected to the lower edge thereof by a hook 14, constructed of steel wire, or other suitable material and consisting of a shank or stem provided at its upper end with an eye 15 and having a bill 16
95 at the lower end. The wire 8 is passed through the eye 15 and twisted to secure it to the hook after the latter has been engaged with the lower edge of the elbow 13, as clearly illustrated in Fig. 1 of the drawing.

100 In assembling the parts, the wire after being placed in the proper perforation of the attaching plate or bar is passed through the sections of the stove pipe successively, the rear section 4 being inserted in the opening 2 of the chimney and moved inwardly
105 until it comes in contact with the wire at the perforation. The bill of the hook 14 is then

engaged with the elbow, and the front or outer end of the wire is passed through the eye 15 and drawn taut and secured in the manner before described. The fastening device is concealed within the stove pipe and securely holds the sections 4, 12 and 13 thereof together and effectually prevents the stove pipe from slipping or pulling out of the opening in the chimney. Although the wire is terminated at the elbow, it may be extended to any one of the vertical sections of the stove pipe, and this is not necessary as the vertical sections will be held firmly connected together by gravity.

Instead of providing a separate hook 14, as illustrated in Figs. 1 and 3 of the drawing, the outer or front end of the wire may be bent to form a hook 17 for engaging the lower edge of the elbow, as illustrated in Fig. 5 of the drawing. The ordinary stove pipe wire is sufficiently stiff for this purpose.

In Fig. 6 of the drawing, the outer or front end of the wire extends through a perforation 18 in an engaging member 19, and is secured to the same by twisting the terminal 20 to form a stop. The engaging member 19, which is arranged exteriorly of the joint between the elbow and the adjacent vertical section, is of substantially the same construction as the engaging member 9, but is designed to be made sufficiently small so that it will not be unsightly and will be practically unnoticeable. This form of securing the outer or front end of the connecting wire enables the device to be easily and quickly applied to a stove pipe.

What is claimed is:—

1. A stove pipe fastener of the class described including an attaching plate designed to be arranged in the opening in a chimney and provided at its outer end with a projecting flange and having a series of perforations at its inner portion, a flexible connection passing through one of the per-

forations of the attaching plate and provided at its inner or rear end with means for engaging the same and the interior of the chimney, said wire being adapted to extend through a plurality of sections and having means at its outer end for engaging a stove pipe at one of the joints thereof.

2. A stove pipe fastener of the class described including an attaching plate designed to be arranged in the opening in a chimney and provided at its outer end with a projecting flange and having a series of perforations at its inner portion, a flexible connection passing through one of the perforations of the attaching plate and adapted to extend through a plurality of sections of a stove pipe and provided at its front or outer portion with means for engaging a stove pipe, and an engaging member secured to the inner or rear end of the flexible connection and arranged beneath the attaching plate or member and engaging the interior of the chimney.

3. A stove pipe fastener of the class described including an attaching plate designed to be arranged in the opening in a chimney and provided at its outer end with a projecting flange and having a series of perforations at its inner portion, a wire passing through one of the perforations of the attaching plate and provided at its outer end with a hook for engaging one of the sections of a stove pipe, and a bar or member secured to the other end of the wire and engaging the attaching plate and the inner face of the front wall of the chimney.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ERNEST EARL MORLAN.

Witnesses:

F. W. SMITH,
N. D. EVANS.