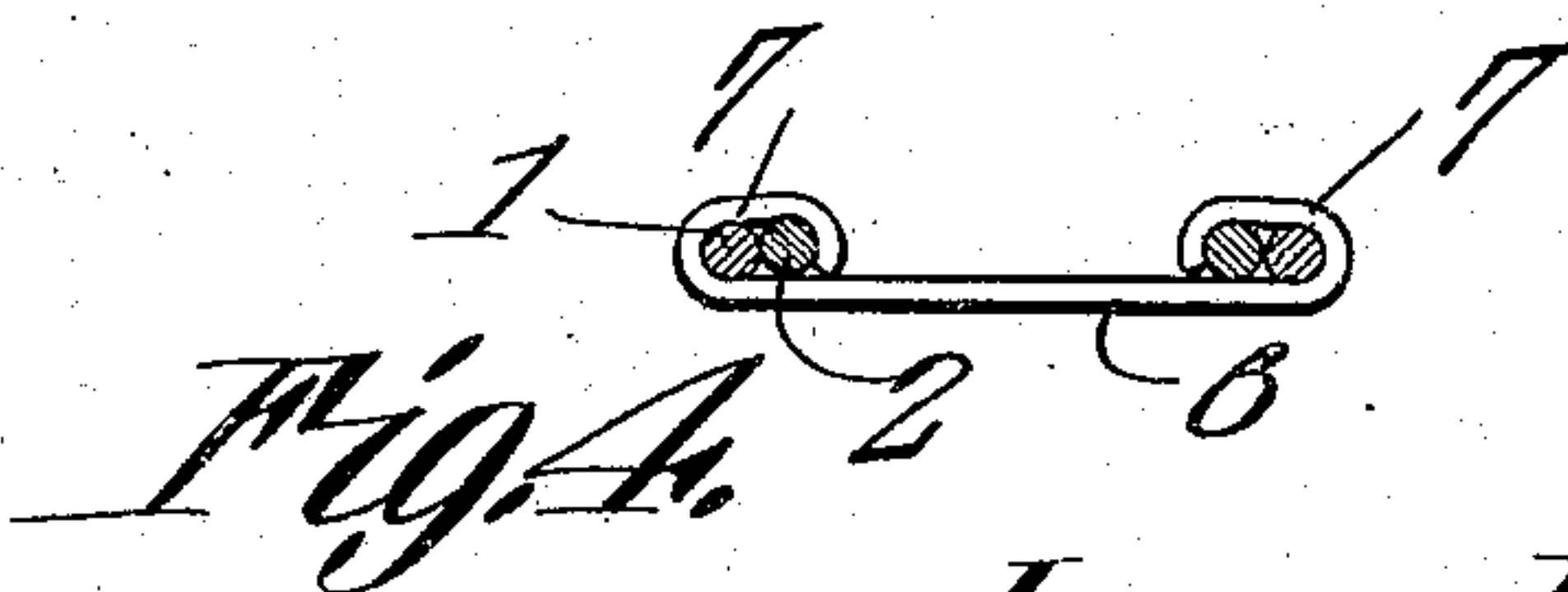
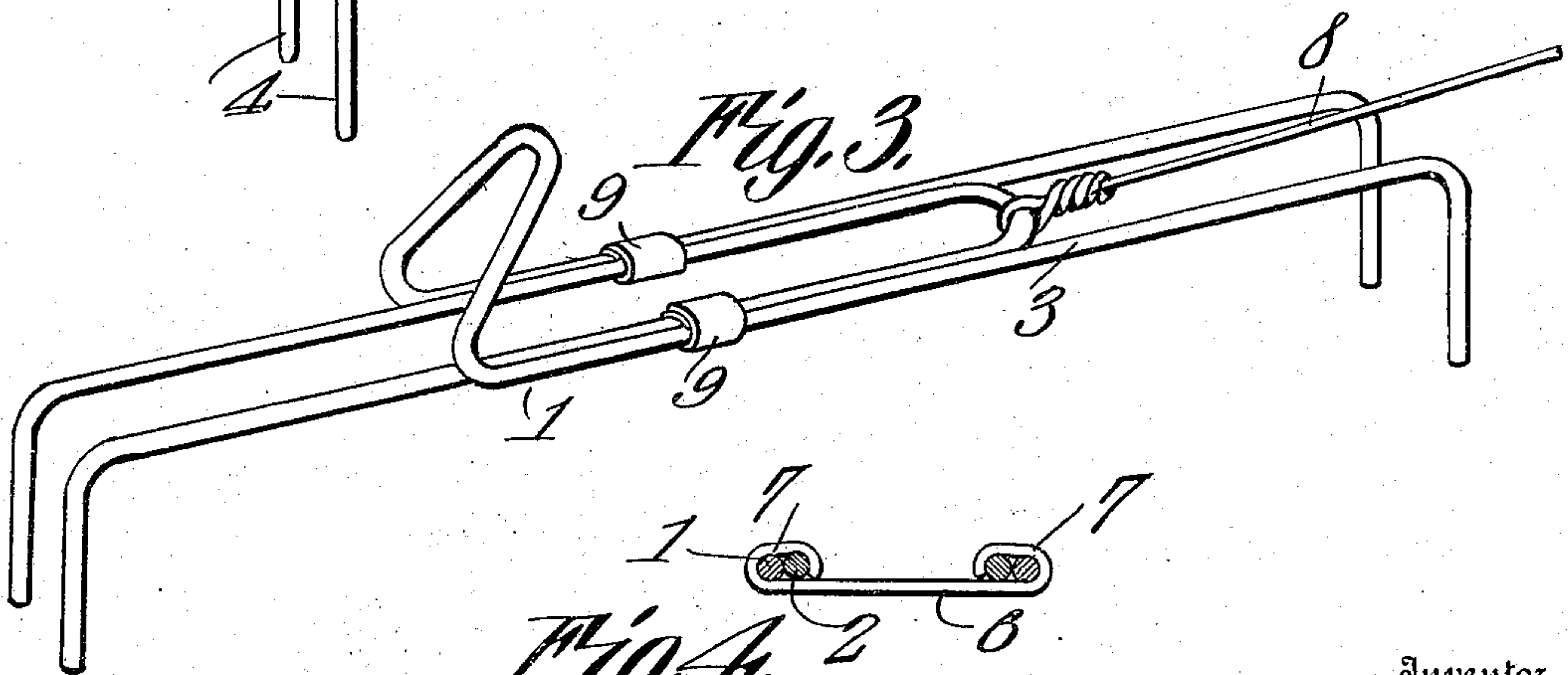
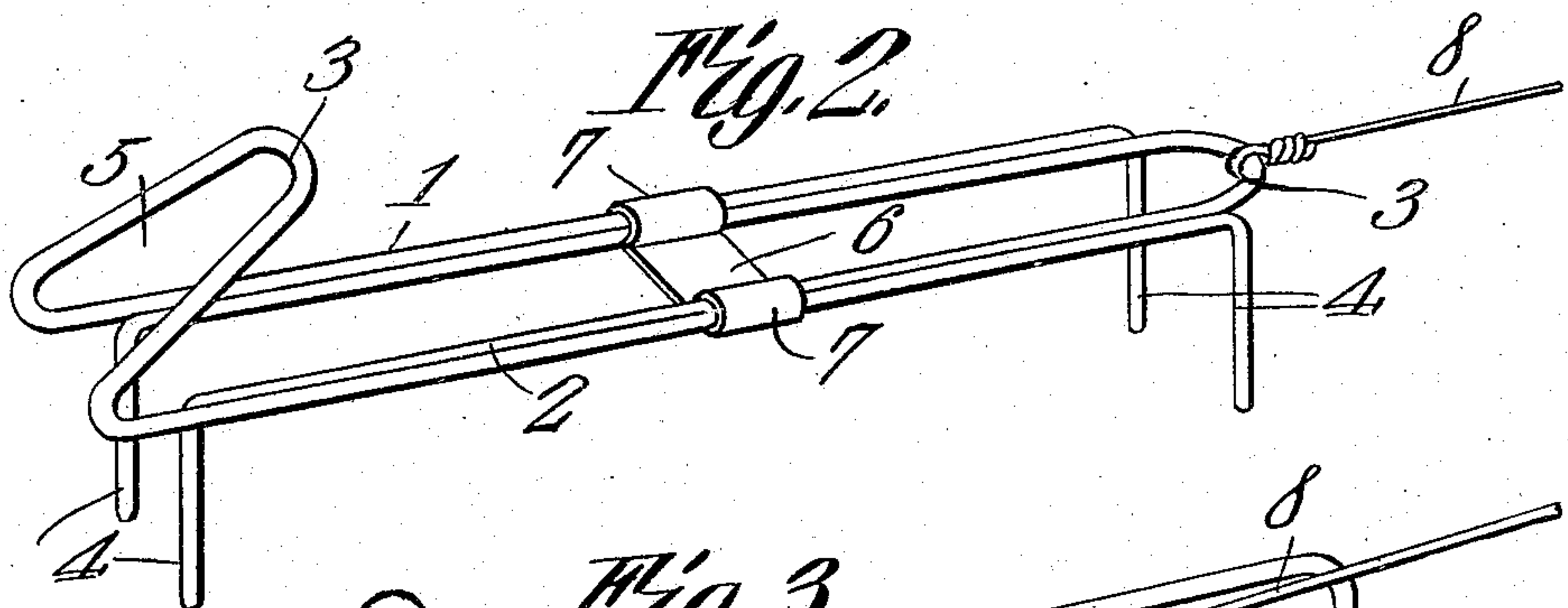
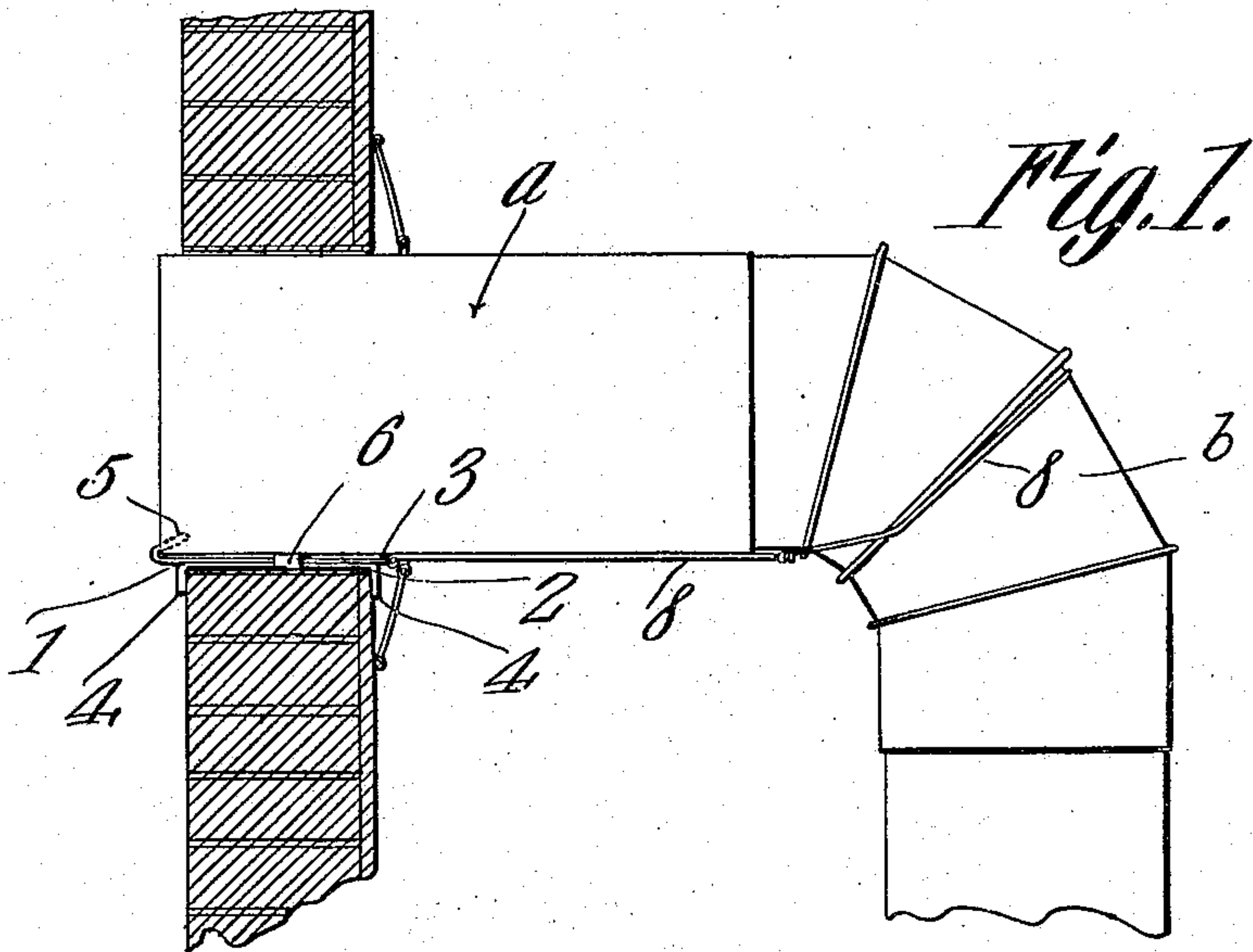


J. L. ELLIS.
STOVEPIPE FASTENER.
APPLICATION FILED OCT. 10, 1908.

930,652.

Patented Aug. 10, 1909.



Witnesses

E. J. [Signature]
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UNITED STATES PATENT OFFICE.

JAMES LINCOLN ELLIS, OF HILLYARD, WASHINGTON.

STOVEPIPE-FASTENER.

No. 930,652.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed October 10, 1908. Serial No. 457,144.

To all whom it may concern:

Be it known that I, JAMES LINCOLN ELLIS, a citizen of the United States, residing at Hillyard, in the county of Spokane and State of Washington, have invented a new and useful Stovepipe-Fastener, of which the following is a specification.

This invention relates to stove-pipe fasteners and has for its object to provide a simple, inexpensive and efficient device for securing the upper end of a stove-pipe within the stove-pipe hole of a chimney, the device being of such character that when once in place, efforts to withdraw the stove-pipe cause it to move firmly and grasp the wall to which it is attached.

With this object in view the invention consists of the novel construction and arrangement of parts hereinafter described and claimed, reference being had to the accompanying drawings, in which;—

Figure 1 is a side elevation of a stove-pipe fastener constructed in accordance with my invention, showing the same applied to a stove-pipe. Fig. 2 is a perspective view of the fastener detached. Fig. 3 is a similar view illustrating a modified form of the invention and showing the mating members in extended position. Fig. 4 is a transverse cross sectional view of Fig. 2.

Similar reference characters are used for the same parts in all the figures.

In the drawing, 1 and 2 indicate the adjustable members of a clamp to be placed in a stove-pipe hole for securing a stove-pipe therein, as shown in Fig. 1. The members 1 and 2 are U-shaped with approximately parallel sides in close relation to each other and lying in the same plane. Each member has a loop 3 at one end and two downwardly projecting fingers 4 at the opposite end substantially at right angles to the sides of the member.

The loop end of the member 2 is in line with the straight sides of said member, but the loop end of the member 1 is bent upwardly upon said member to form a hook 5 directed rearwardly. The two members 1 and 2 are slidably connected together by a cross strip or bar 6 extending transversely of the members and folded somewhat tightly at each end over the proximate sides of said members, forming guides 7 therefor and serving to hold said members in assembled position.

The disposition of the members with relation to the cross bar or strip 6 is such that the loop of one of said members and the fingers of the other member shall be on opposite sides thereof. As thus connected, pulling on the loops will cause the fingers of each member to approach those of the other.

To apply the device, the members 1 and 2 are drawn apart sufficiently far to permit the holder being placed in the stove-pipe hole and rest on the wall with the fingers 4 thereof extending below the bottom of said hole. A fine wire 8 of sufficient length is fastened to the loop 3 of the member 2 before inserting the holder in the stove-pipe hole.

The horizontal section *a* of the stove pipe is then pushed into the hole until the hook 5 catches the bottom of the stove-pipe. Now by drawing on the wire 8 and holding the stove-pipe, the members 1 and 2 slide relatively to each other until the fingers 4 bear firmly against the inner and outer sides of the chimney wall. After this the wire 8 is drawn tightly and secured around the elbow *b* to prevent the pipe section *a* from being pushed into or withdrawn from the stove-pipe hole and fastening the elbow tightly on the pipe section *a*.

In place of joining the members 1 and 2 by a single strip extending across the members to form a guide or slide bar therefor, each pair of side bars may be connected by an independent guide or sleeve 9, (see Fig. 3). In either the preferred or modified form of the guide it may, if desired, be free to slide on both members or be fastened tightly to one of them.

The members forming the holder will, on the score of economy, be made of wire bent to shape, but it is within the scope of the invention to substitute flat metal strips bent in the same manner as the wire or the U-shaped members may be stamped from sheet metal and afterward from the hooks and fingers by bending as before.

What is claimed is:—

1. A stove pipe fastener comprising mating members, each bent to form a loop at one end and at the other end to form depending fingers with the looped end of each member, when the members are assembled, at the same end of the fastener as are the fingers of the other member, one of said looped ends being disposed in the same longitudinal plane with said members and the other bent

in the opposite direction from the fingers to form a hook, and means for retaining the members in slidable relation with respect to each other.

- 5 2. A stove pipe fastener comprising mat-
ing members each having spaced parallel
sides connected at one end by a loop and
provided at the other end with depending
fingers with the looped end of each member,
10 when the members are assembled, at the
same end of the fastener as are the fingers
of the other member, one of said loops being
disposed in the same longitudinal plane with
the members and the other bent upon itself
15 in the opposite direction from the fingers to
form a hook, a strip extending across said
members and bent over and around the
spaced sides thereof for retaining the mem-
bers in slidable relation with respect to each
20 other, the loop on one member and the fin-
gers on the other member being on the same
side of the connecting strip.

3. A stove pipe fastener comprising mat-
ing members, each formed of wire bent to
25 produce a loop at one end and at the other
to form depending fingers with the looped
end of each member, when the members are
assembled, at the same end of the fastener
as are the fingers of the other member, one
30 of said members having its looped end bent
to form a hook extending in the opposite di-
rection from the fingers, the loop of the other

member being disposed in the same longi-
tudinal plane with said members, and a flat
strip folded about the members for retaining
3 said members in slidable relation with re-
spect to each other.

4. A stove pipe fastener adapted to be
placed within a stove pipe hole and com-
prising oppositely disposed members, each 4
member being bent to form a loop at one
end and at its opposite end with depending
fingers for engagement with the chimney-
wall with the looped end of each member,
when the members are assembled, at the 4
same end of the fastener as are the fingers of
the other member, one of said loops being
disposed in the same longitudinal plane
with said members and the other bent in the
opposite direction from the fingers to form 5
a hook adapted to engage the end of the
stove-pipe, means for retaining the members
in slidable relation with respect to each
other, and a stove pipe retaining element at-
tached to the outermost loop and fastened 5
to the stove pipe.

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

JAMES LINCOLN ELLIS.

Witnesses:

H. C. HOWE,
C. D. SROUGH.