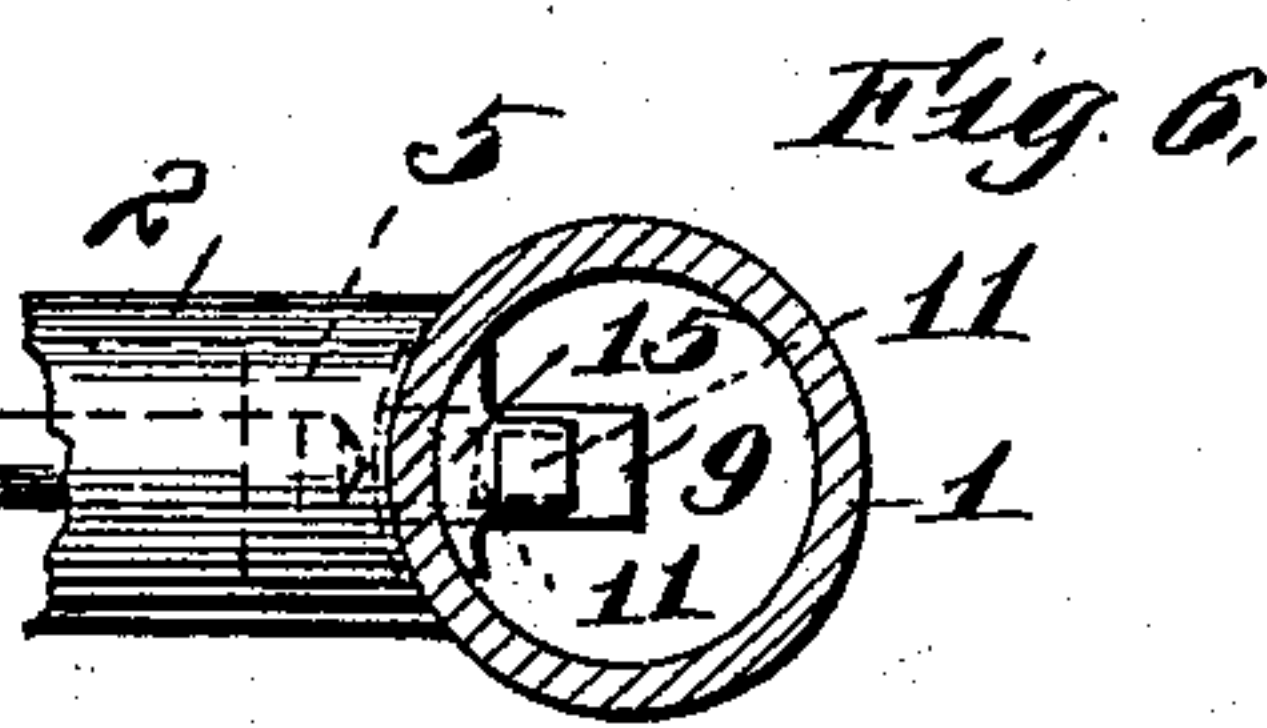
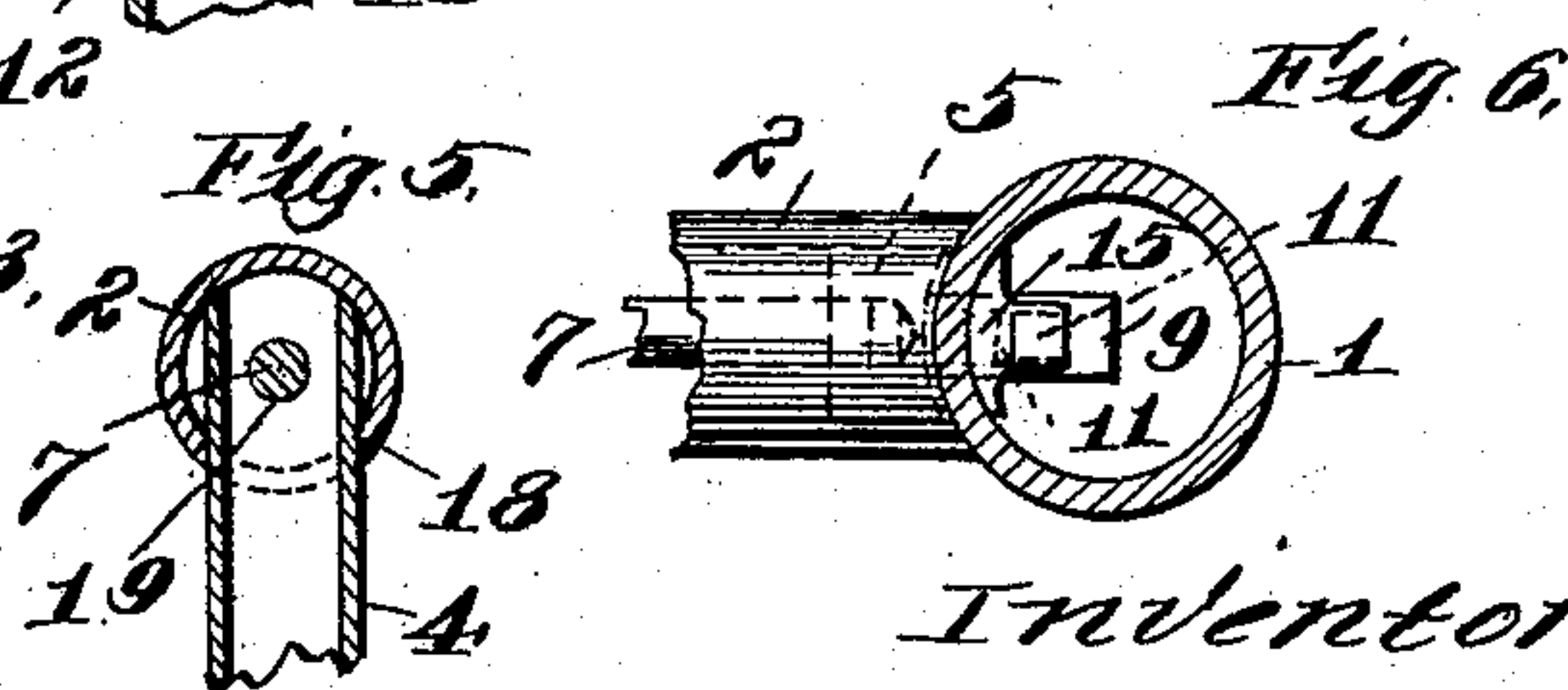
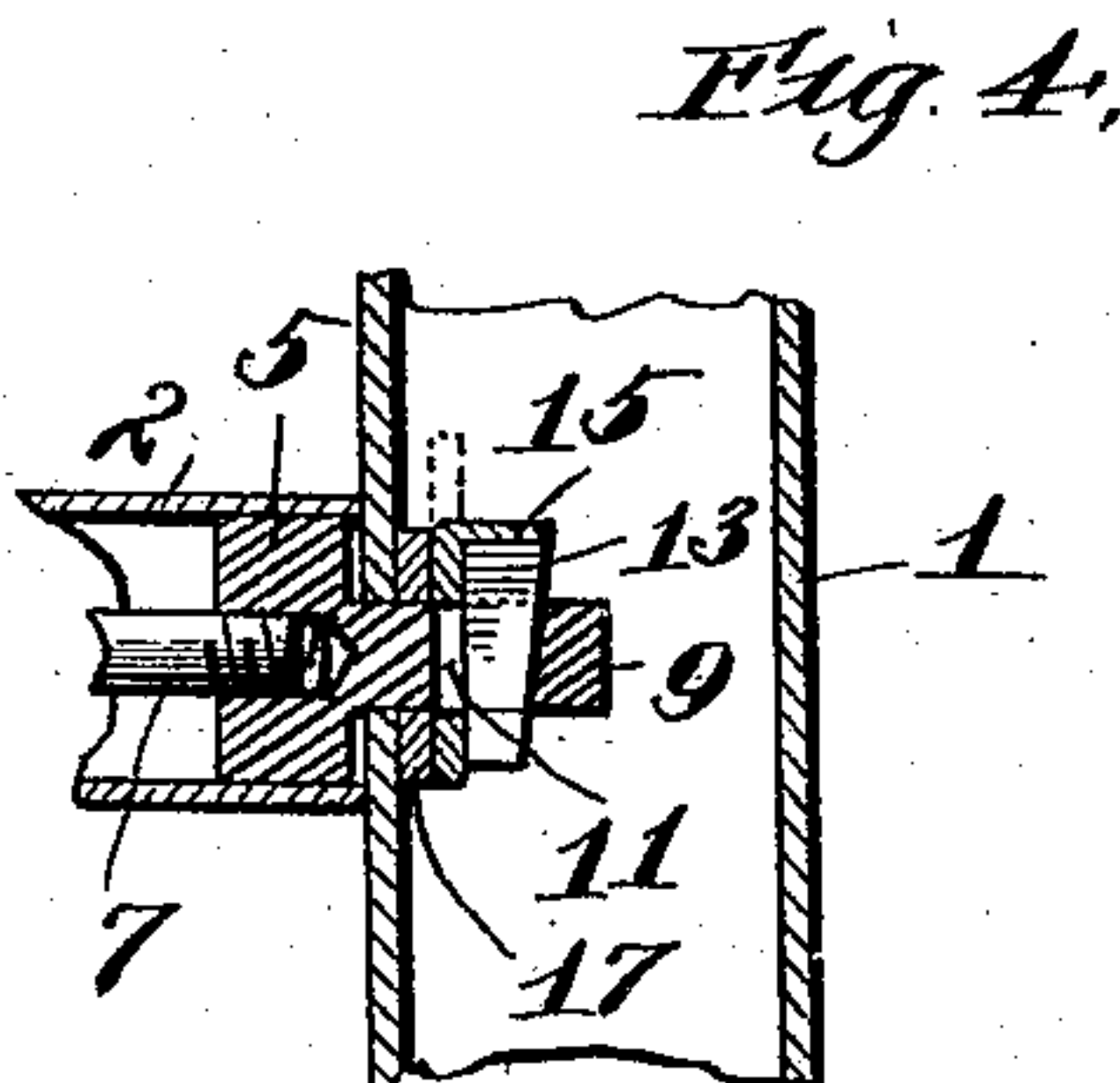
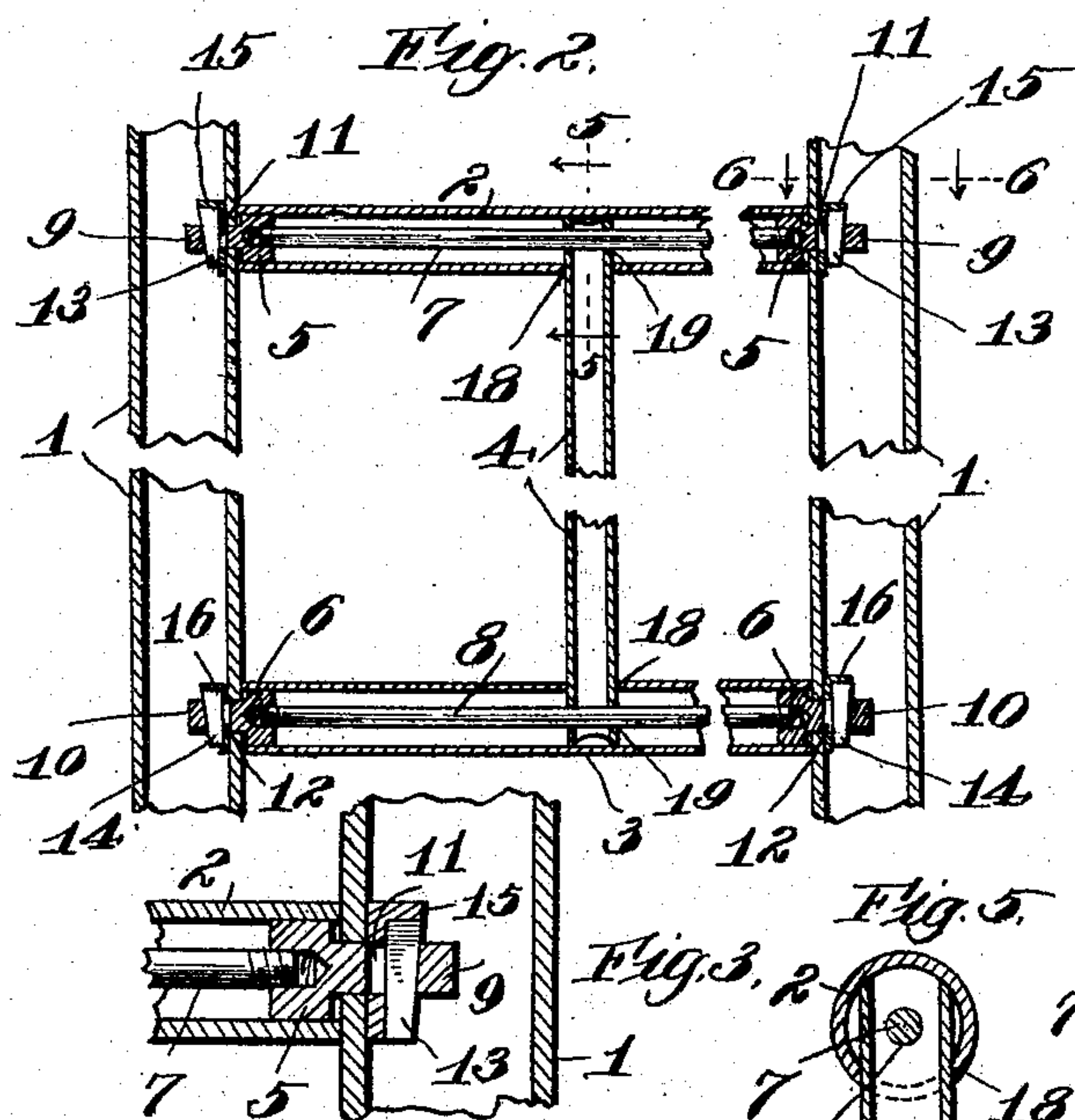
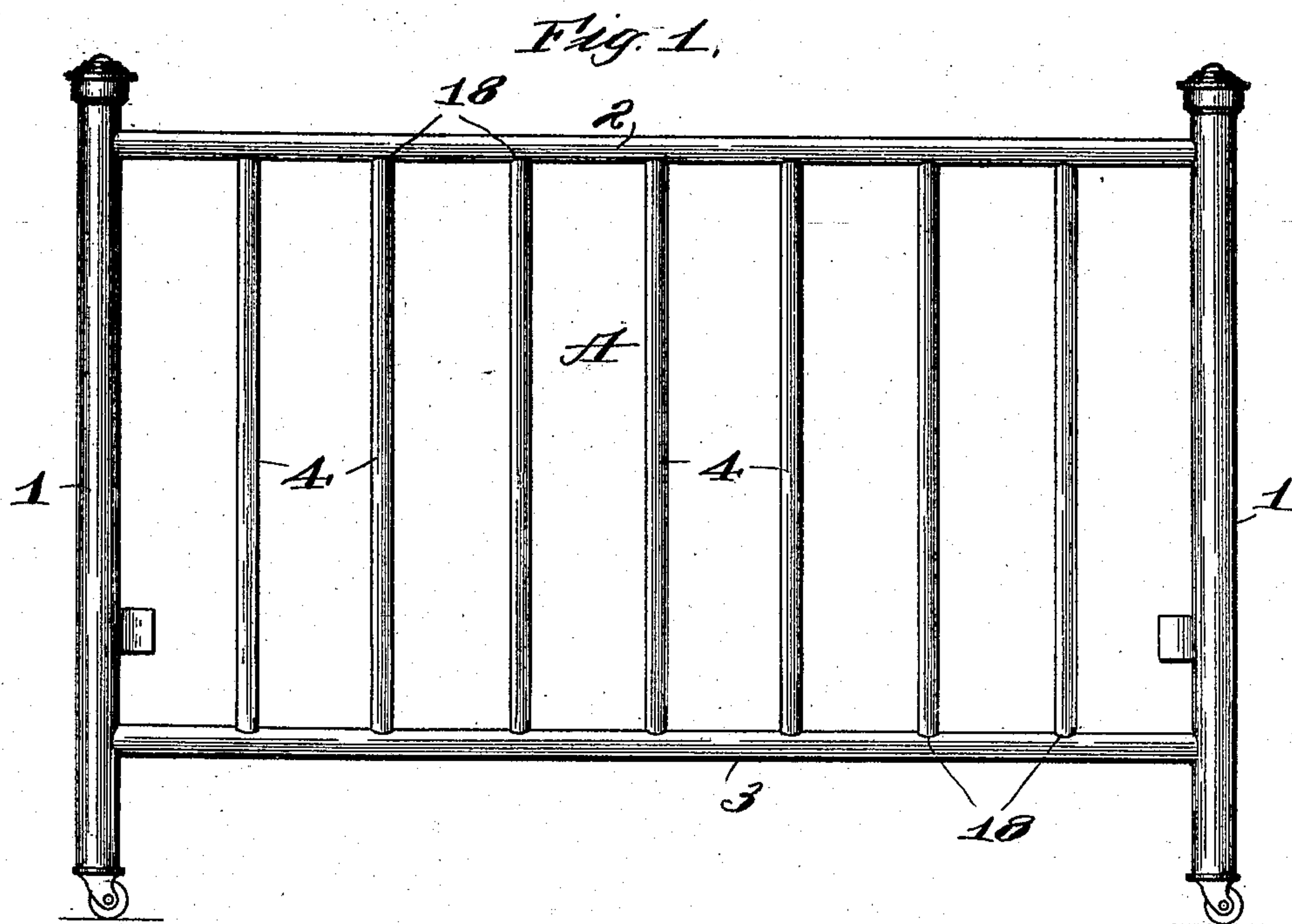


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METAL BED.
APPLICATION FILED AUG. 1, 1908.

911,863.

Patented Feb. 9, 1909.



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UNITED STATES PATENT OFFICE.

JOHN M. ADAMS, OF CHICAGO, ILLINOIS.

METAL BED.

No. 911,863.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed August 1, 1908. Serial No. 446,383.

To all whom it may concern:

Be it known that I, JOHN M. ADAMS, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metal Beds, of which the following is a specification.

This invention relates to metal bedsteads.

The object of the invention is to provide a bedstead the head and foot ends of which are simple, strong and durable in construction and which will present a neat and artistic appearance without the use of the usual "ornaments," whereby a bedstead which is plain, but very attractive in appearance, may be produced at relatively a very small cost.

A bedstead of my invention consists of the various features and details of construction hereinafter described and claimed.

In the accompanying drawing, in which my invention is fully illustrated—Figure 1 is an end view of the foot of a bedstead of my invention. Fig. 2 is a partial, vertical sectional view of an end of a bedstead of my invention, on an enlarged scale. Fig. 3 is a fragmentary, detail, sectional view thereof, on an enlarged scale, showing means for connecting the top and bottom transverse members thereof to the posts. Fig. 4 is a similar view showing slightly modified means for securing said top and bottom transverse members to the posts; and Figs. 5 and 6 are sectional views on the lines 5—5 and 6—6, respectively, of Fig. 2.

Referring now to the drawings, A designates, as a whole, an end of a metal bedstead of my invention, comprising posts 1, top and bottom transverse members 2 and 3 connecting said posts and upright members 4 connecting said transverse members 2 and 3. The posts 1 and the transverse members 2 and 3 of the end of a bedstead of my invention are tubular, while the upright members 4 may be either tubular or solid.

In a bedstead of my invention the transverse tubular members 2 and 3 are connected to the posts in the following manner: The ends of the transverse members 2 and 3 are cut out or curved concavely to conform to the exterior surfaces of the posts 1, so that, when assembled, the ends of said transverse members 2 and 3 will fit close against the posts 1 and form a tight joint. Inserted into the ends of said tubular transverse members 2 and 3 are plugs 5 and 6 which are

rigidly connected by means of rods 7 and 8 which extend through the tubular transverse members 2 and 3. The lengths of the rods 7 and 8 is preferably such that when connected thereby the outer surfaces of the plugs 5 and 6 will be disposed entirely within the ends of the tubular transverse members 2 and 3. Formed on the plugs 5 and 6 are studs or shanks 9 and 10 which extend through suitable holes or openings formed in the posts 1 in proper position and project into the bores of said posts. Formed in said studs or shanks 9 and 10, so as to be disposed within the bore of the posts 1, are slots 11 and 12, through which are inserted keys or wedges 13 and 14, by means of which a strong pull or tension may be exerted upon the rods 7 and 8 so as to clamp the ends of the tubular transverse members 2 and 3 into firm engagement with the posts 1.

In order to prevent the keys or wedges 13 and 14 from working loose or becoming accidentally disengaged from the slots 11 and 12, means are preferably provided for securing said keys or wedges in engagement with said slots 11 and 12. As shown, said means consist of flexible metallic plates 15 and 16, preferably made of mild steel, provided with suitable holes or openings adapted to receive the studs or shanks 9 and 10 on the plugs 5 and 6, inserted between the wedges 13 and 14 and the sides of the posts. Said plates 15 and 16 are made of such length that they will project above the tops of the keys or wedges 13 and 14 and are designed to be bent over the tops of said keys or wedges after said keys or wedges have been driven into full engagement with the slots 11 and 12.

The plates 15 and 16 may bear directly against the inner sides of the posts 1, but to facilitate inserting a tool behind said plates in order to bend the same over the upper ends of the keys or wedges 13 and 14, I prefer to insert plates 17 between said plates 15 and 16 and the sides of the posts, as shown in the modified construction shown in Fig. 4.

The ends of the upright members 4 are connected into the tubular transverse members 2 and 3 in the following manner:— Formed in said tubular transverse members 2 and 3 are holes or openings 18 adapted to receive the ends of said upright members 4, being preferably of such size that said rods will fit the same closely and formed in the ends of said upright members 4 are holes or openings 19 through which the rods 7 and 8

pass. The upright members 4 are preferably made of such length that they will extend into contact with the inner sides of the tubular transverse members 2 and 3 opposite the sides thereof in which the holes or openings through which said upright members pass, are formed, the ends of said upright members preferably being shaped to conform to the inner surface of the transverse members 2 and 3 with which they contact.

With the described construction it is obvious that the members forming the ends of my improved bedstead will be connected very strongly and rigidly and that the securing means will be entirely within the tubular portions thereof and concealed thereby. Also, by making close joints between the various connected parts, a very neat and artistic appearance may be produced without the use of "ornaments" and thus an attractive bedstead produced at a relatively small cost, all in the manner desired.

I claim:—

1. An end for a metal bedstead comprising posts, tubular transverse upper and lower members, plugs inserted into said transverse tubular members, tie rods which extend through said tubular transverse members, the ends of which are connected to said plugs in said transverse tubular members, upright rods, the ends of which extend through suitable holes formed in the sides of said tubular transverse upper and lower members, said rods being provided with holes through which the tie rods extending through said tubular transverse members pass, and means for connecting the plugs in said tubular transverse members to the posts of the bedstead so as to exert a pull or tension on said tie rods to draw the ends of the tubular transverse members into close engagement with the posts.

2. An end for a metal bedstead comprising tubular posts, tubular transverse upper and lower members, plugs inserted into said transverse tubular members, tie rods which extend through said transverse tubular members, the ends of which are connected to said plugs in said transverse tubular members, upright rods, the ends of which extend through suitable holes formed in the sides of said tubular transverse upper and lower members, said rods being provided with holes through which the tie rods extending through said tubular transverse members pass, and means disposed inside of said tubular posts for connecting the plugs in said tubular transverse members to said posts so as to exert a pull or tension on said tie rods to draw the ends of the tubular transverse members into close engagement with the posts.

3. An end for a metal bedstead comprising posts, tubular transverse upper and lower members, plugs inserted into said transverse

tubular members, tie rods which extend through said tubular transverse members, the ends of which are connected to said plugs in said transverse tubular members, upright rods, the ends of which extend through suitable holes formed in the sides of said tubular transverse upper and lower members, said rods being provided with holes through which the tie rods extending through said tubular transverse members pass, means for connecting the plugs in said tubular transverse members to the posts of the bedstead so as to exert a pull or tension on said tie rods to draw the ends of the tubular transverse members into close engagement with the posts, said means comprising shanks on said plugs which extend through suitable holes in said posts, said shanks being provided with slots, and keys or wedges inserted through said slots adapted to bear against a side of said posts and an end of said slots.

4. An end for a metal bedstead comprising posts, tubular transverse upper and lower members, plugs inserted into said transverse tubular members, tie rods which extend through said tubular transverse members, the ends of which are connected to said plugs in said transverse tubular members, upright rods, the ends of which extend through suitable holes formed in the sides of said tubular transverse upper and lower members, said rods being provided with holes through which the tie rods extending through said tubular transverse members pass, means disposed inside of said posts for connecting the plugs in said tubular transverse members to the posts of the bedstead so as to exert a pull or tension on said tie rods to draw the ends of the tubular transverse members into close engagement with the posts, said means comprising shanks on said plugs which extend through suitable holes in said posts, said shanks being provided with slots, keys or wedges inserted through said slots adapted to bear against a side of said posts and an end of said slots, and means for securing said keys or wedges in engagement with said slots.

5. An end for a metal bedstead comprising posts, tubular transverse upper and lower members, plugs inserted into said transverse tubular members, tie rods which extend through said tubular transverse members, the ends of which are connected to said plugs in said transverse tubular members, upright rods, the ends of which extend through suitable holes formed in the sides of said tubular transverse upper and lower members, said rods being provided with holes through which the tie rods extending through said tubular transverse members pass, means disposed inside of said posts for connecting the plugs in said tubular transverse members to the posts of the bedstead so as to exert a pull or tension on said tie rods to draw the ends of the tubular transverse members into

close engagement, said means comprising
shanks on said plugs which extend through
suitable holes in said posts, said shanks being
provided with slots, keys or wedges inserted
5 through said slots adapted to bear against
a side of said posts and an end of said slots,
and means for securing said keys or wedges
in engagement with said slots, said means
comprising plates inserted between said keys
10 or wedges and the sides of the posts, and
adapted to be bent over the ends of said keys
or wedges.

6. An end for a metal bedstead comprising
posts, tubular transverse upper and lower
15 members, plugs inserted into said transverse
tubular members, tie rods which extend
through said tubular transverse members,
the ends of which are connected to said plugs
in said transverse tubular members, upright
20 rods, the ends of which extend through suit-
able holes formed in the sides of said tubular
transverse upper and lower members, said
rods being provided with holes through
which the tie rods extending through said
25 tubular transverse members pass, means
disposed inside of said posts for connecting
the plugs in said tubular transverse members

to the posts of the bedstead so as to exert a
pull or tension on said tie rods to draw the
ends of the tubular transverse members into 30
close engagement, said means comprising
shanks on said plugs which extend through
suitable holes in said posts, said shanks being
provided with slots, keys or wedges inserted
through said slots adapted to bear against a 35
side of said posts and an end of said slots,
means for securing said keys or wedges in
engagement with said slots, said means com-
prising plates inserted between said keys or
wedges and the sides of the posts and adapted 40
to be bent over the ends of said keys or
wedges, and relatively shorter plates inserted
between said locking plates and the sides of
the posts, thus forming spaces to facilitate
45 the insertion of a tool for bending said lock-
ing plates.

In testimony, that I claim the foregoing as
my invention, I affix my signature in pres-
ence of two subscribing witnesses, this 28th
day of July, A. D. 1908.

JOHN M. ADAMS.

Witnesses:

K. A. COSTELLO,
M. V. McGRATH.