

No. 750,591.

PATENTED JAN. 26, 1904.

W. J. BUSSINGER.
CLAMP FOR SECURING PUMPS TO BARRELS.

APPLICATION FILED OCT. 22, 1903.

NO MODEL.

Fig. 1.

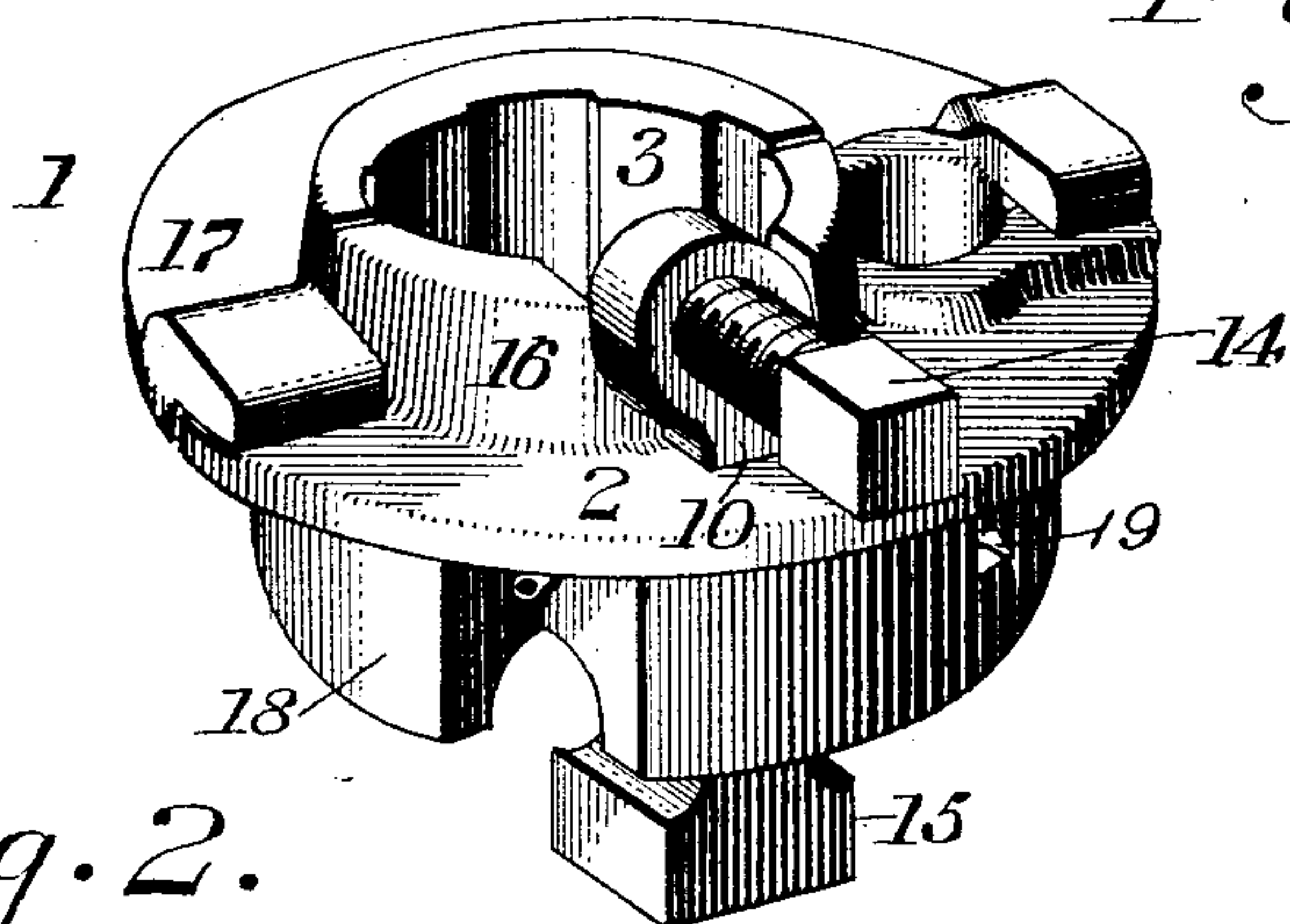


Fig. 2.

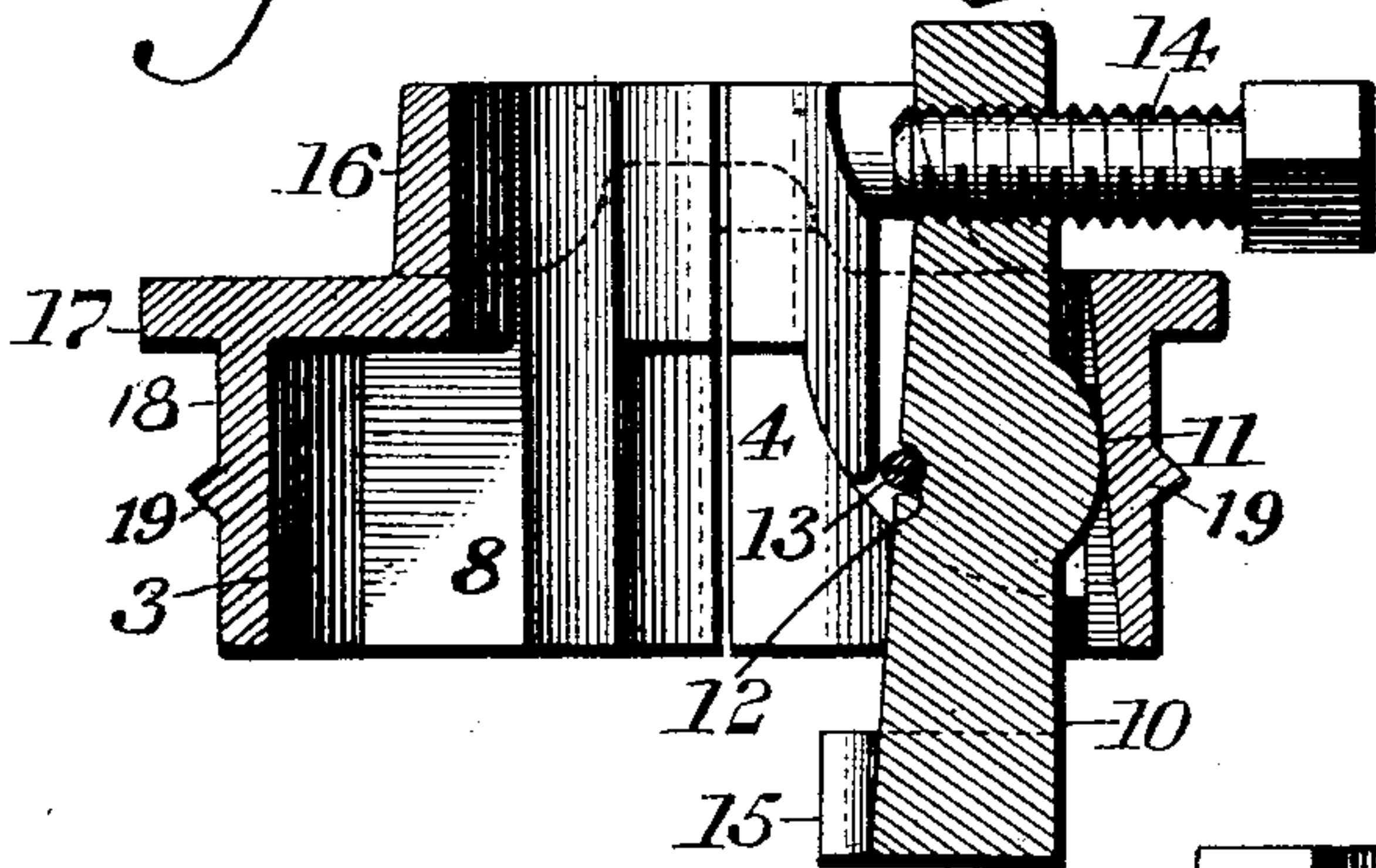


Fig. 3.

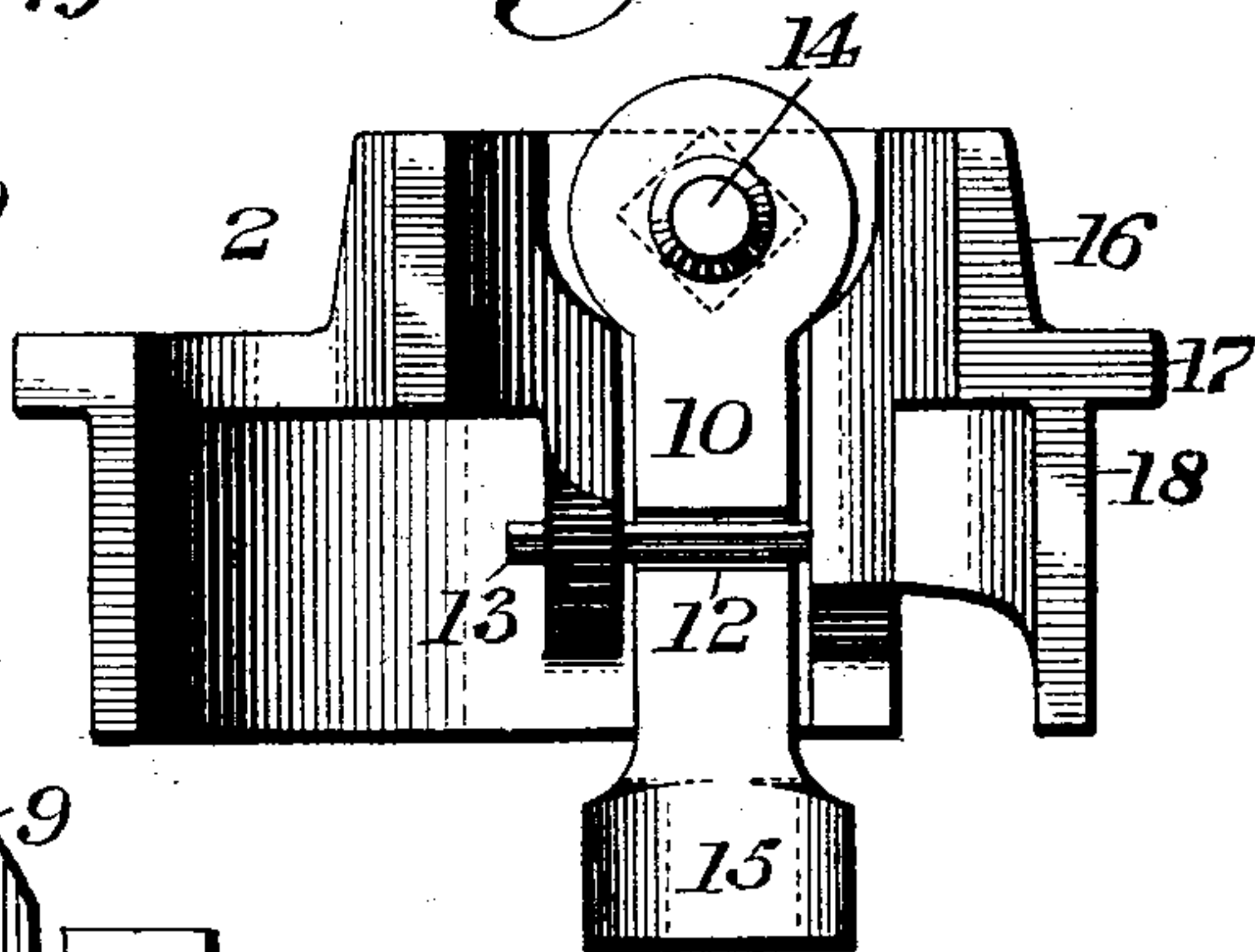
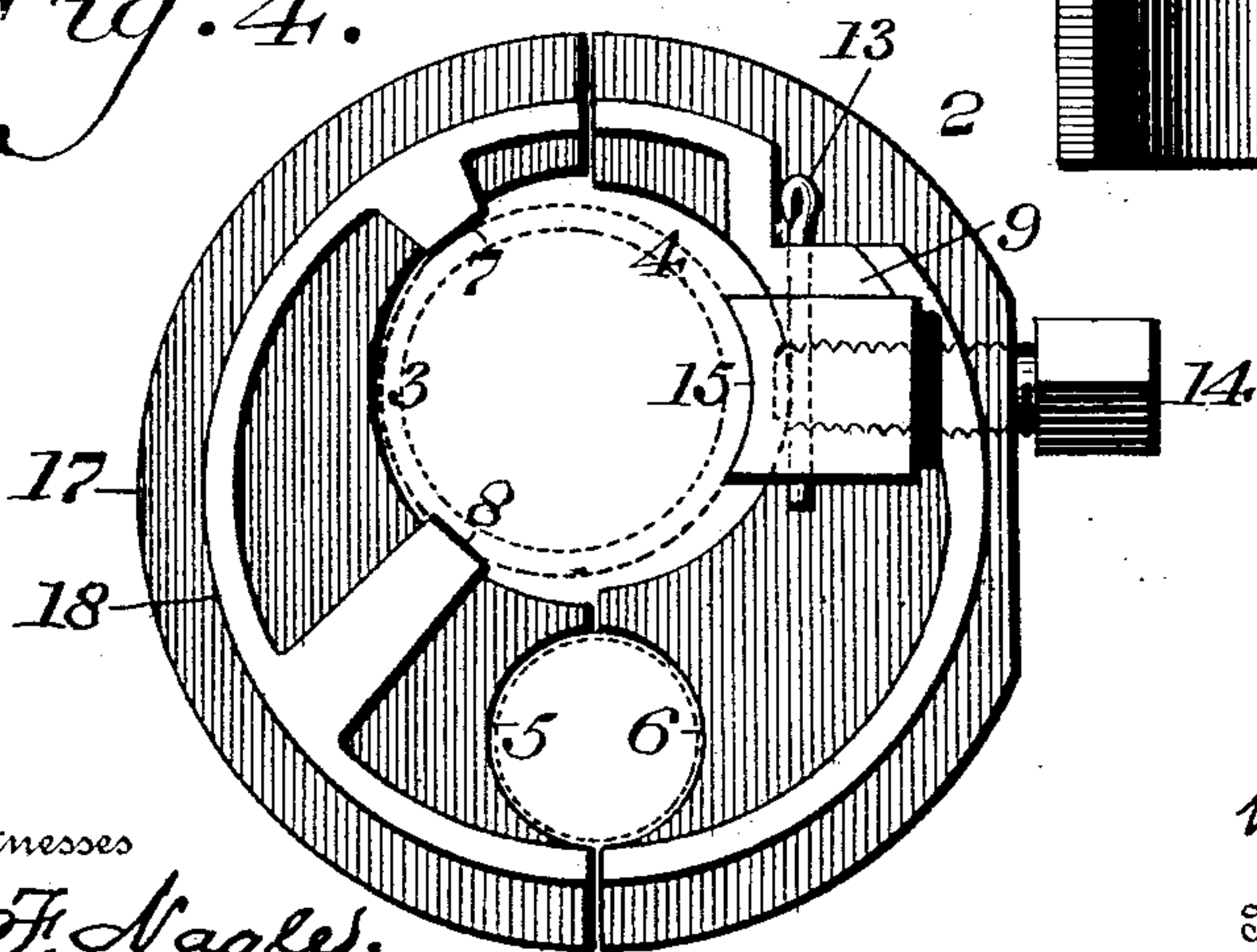


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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CLAMP FOR SECURING PUMPS TO BARRELS.

SPECIFICATION forming part of Letters Patent No. 750,591, dated January 26, 1904.

Application filed October 22, 1903. Serial No. 177,997. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. BUSSINGER, a citizen of the United States, residing in the city and county of Philadelphia, State of Penn-
sylvania, have invented a new and useful Im-
provement in Clamps for Securing Pumps to
Barrels, of which the following is a specifica-
tion.

My invention relates to pump-clamps used
to retain pumps in a barrel or the like.

It consists of means for rigidly securing the
pump-tube, while permitting the free rotation
of the rod.

It also consists of a pivoted clamp member
by which an even bearing of the pump-tube is
secured.

It further consists of novel features of con-
struction, all as will be hereinafter fully set
forth.

Figure 1 represents a perspective view of my
device. Figs. 2 and 3 represent sectional
views at right angles to each other. Fig. 4
represents an inverted plan view.

Similar numerals of reference indicate cor-
responding parts in the figures.

Referring to the drawings, 1 and 2 desig-
nate separable members of a pump-clamp hav-
ing recesses 3 and 4 coöperating to form a cir-
cular aperture for the passage of a pump-tube.
The sections 1 and 2 have other semicircular
recesses 5 and 6, adapted to coöperate to form
a circular aperture through which the pump-
actuating rod may freely rotate. The tube
and rod are shown in dotted lines, Fig 4.

The section 1 is provided with vertical inter-
nal ribs 7 and 8, adapted to bear against the
pump-tube for a substantial portion of its
length. The other section 2 has a recess 9,
adapted to receive a jaw 10, which is provided
with a projecting portion 11, bearing against
the periphery of the section 1. Opposite the
projection 11 is a recess 12, adapted to receive
a pin or cotter 13, on which the jaw 10 has
pivotal motion. At the upper end of the jaw
10 is an inwardly-extending set-screw 14, and
at its lower end is a lug 15, adapted to engage
with the pump-tube.

As clearly shown in the drawings, each of

the sections 1 and 2 consists, substantially, of
an upwardly-extending flange 16, an out-
wardly-extending flange 17, adapted to rest
upon the head of the barrel, and a body portion
18, adapted to be seated within the bung-hole.
The latter may be provided with spurs 19 to
engage with the sides of the bung-hole.

The operation is as follows: The pump be-
ing placed in the barrel, sections 1 and 2 of the
pump-clamp are fitted loosely around the tube
and actuating-rod and slipped down into the
bung-hole. It is evident that by means of the
screw 14 the tube will be engaged between the
ribs 7 and 8 on one side and by the point of the
screw 14 and the lug 15 at the other side.

It will be seen that the screw 14 is sub-
stantially at a right angle with the pump 2
and that it is conveniently placed above the
flange 17 for screwing and unscrewing. It is
also evident that by reason of the pivotal
movement of the jaw the pump-tube will be
held firmly against the entire length of the
ribs 7 and 8 without distorting or moving it
out of place.

It will be evident that various changes may
be made by those skilled in the art which will
come within the scope of my invention, and
I do not, therefore, desire to be limited in every
instance to the exact construction herein
shown and described.

Having thus described my invention, what
I claim as new, and desire to secure by Letters
Patent, is—

1. A pump-clamp in two sections adapted to
be inserted in the bung-hole of a barrel, one
of said sections having bearing portions and
the other a pivoted jaw having at one end a
lug and at the other adjustable means both
adapted to bear against the pump-tube.

2. A pump-clamp in two sections adapted to
be inserted in the bung-hole of a barrel, one
of said sections having bearing portions and
the other a pivoted jaw having at its lower
end a lug and at its upper end a screw, both
said lug and set-screw being adapted to bear
against the pump-tube.

3. A pump-clamp in two sections, each con-
sisting of a body portion adapted to fit within

a bung-hole, a flange adapted to rest on the head of a barrel, and an upwardly-extending flange, one of said sections having bearing portions of substantial length, the other being recessed, a jaw pivoted in said recess and having at its lower end a lug and at its upper end a set-screw, both said lug and said set-screw being adapted to bear against the pump-tube.

10 4. A pump-clamp in two sections adapted to be inserted in the bung-hole of a barrel, each of said sections having recesses cooperating to form apertures for the retention of a pump-tube and for the free passage of an actuating-rod, one of said sections having bearing portions and the other a pivoted jaw having at one

end a lug and at the other adjustable means, both adapted to bear against the pump-tube.

5. A pump-clamp adapted to be inserted in the bung-hole of a barrel comprising two sections one of which is provided with bearing portions for a pump-tube and the other with a pivoted portion having at one side of its pivot adjusting means, whereby said adjusting means and the end of said pivoted portion at the opposite side of said pivot may be brought into engagement with the pump-tube.

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Witnesses:

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