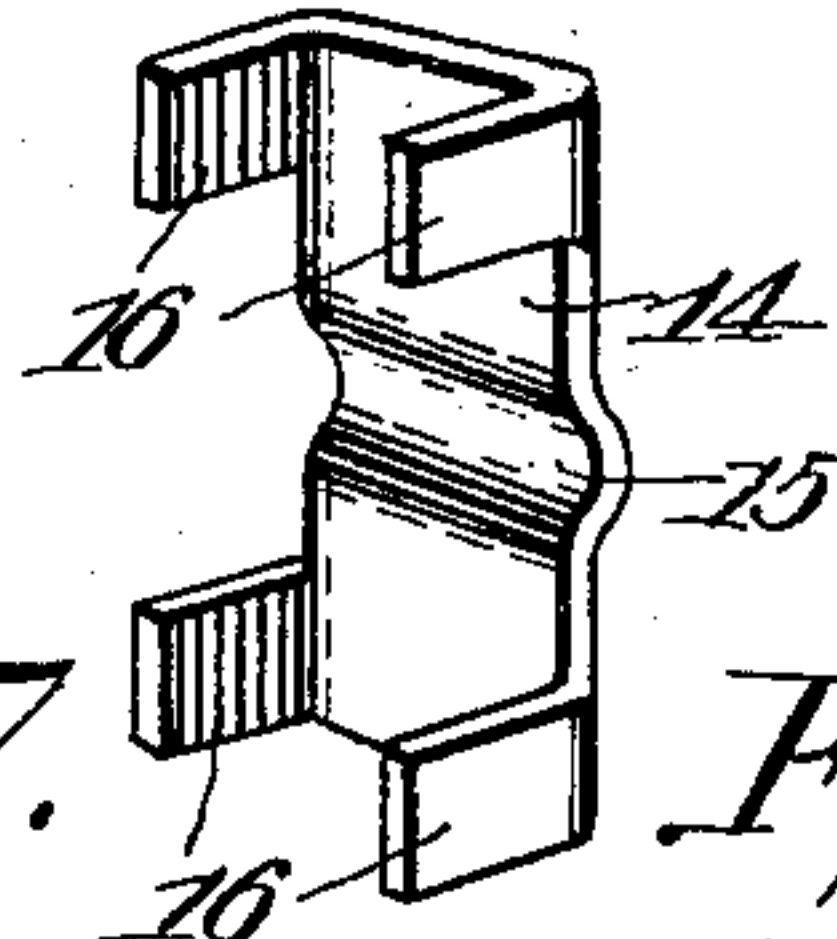
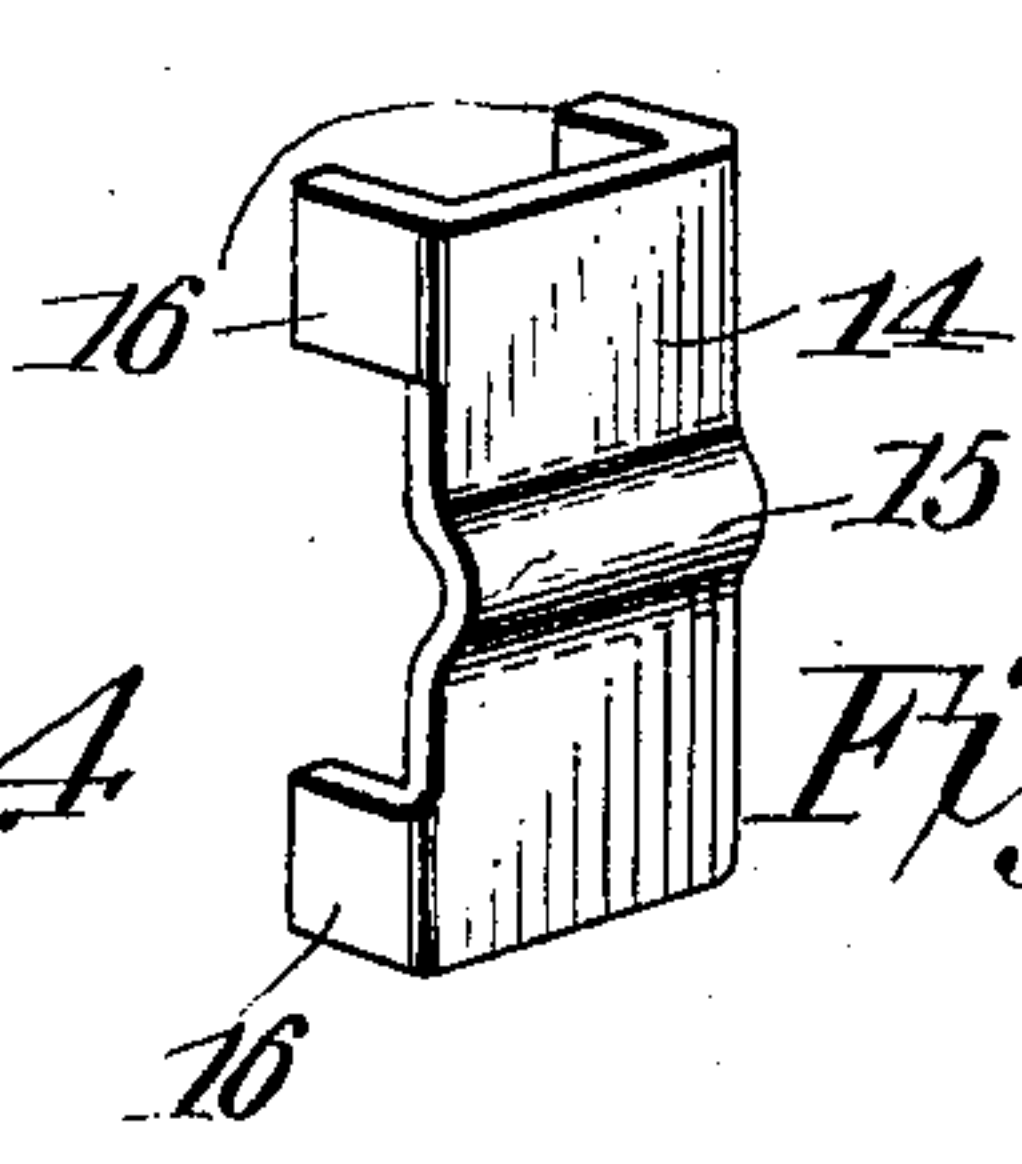
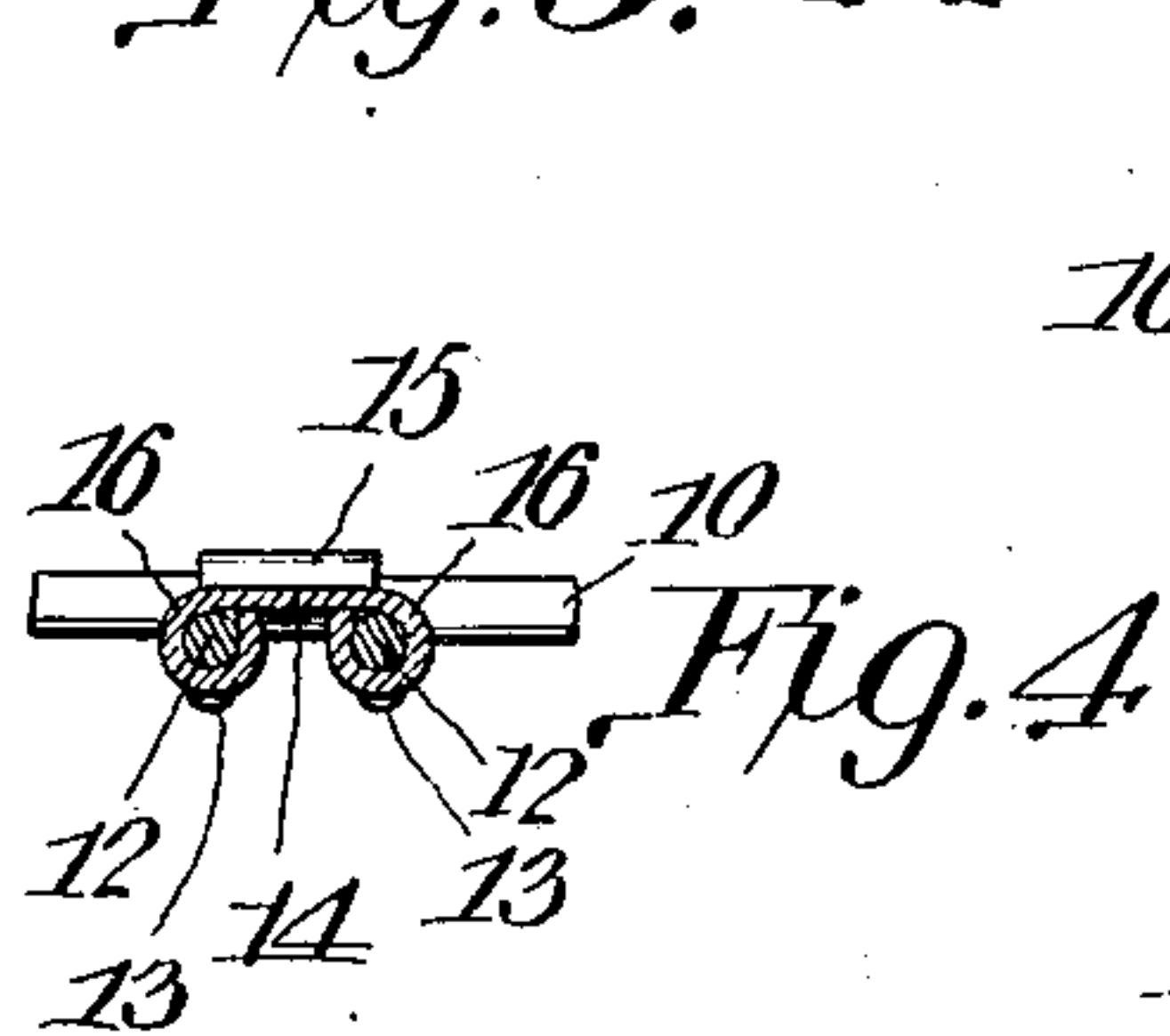
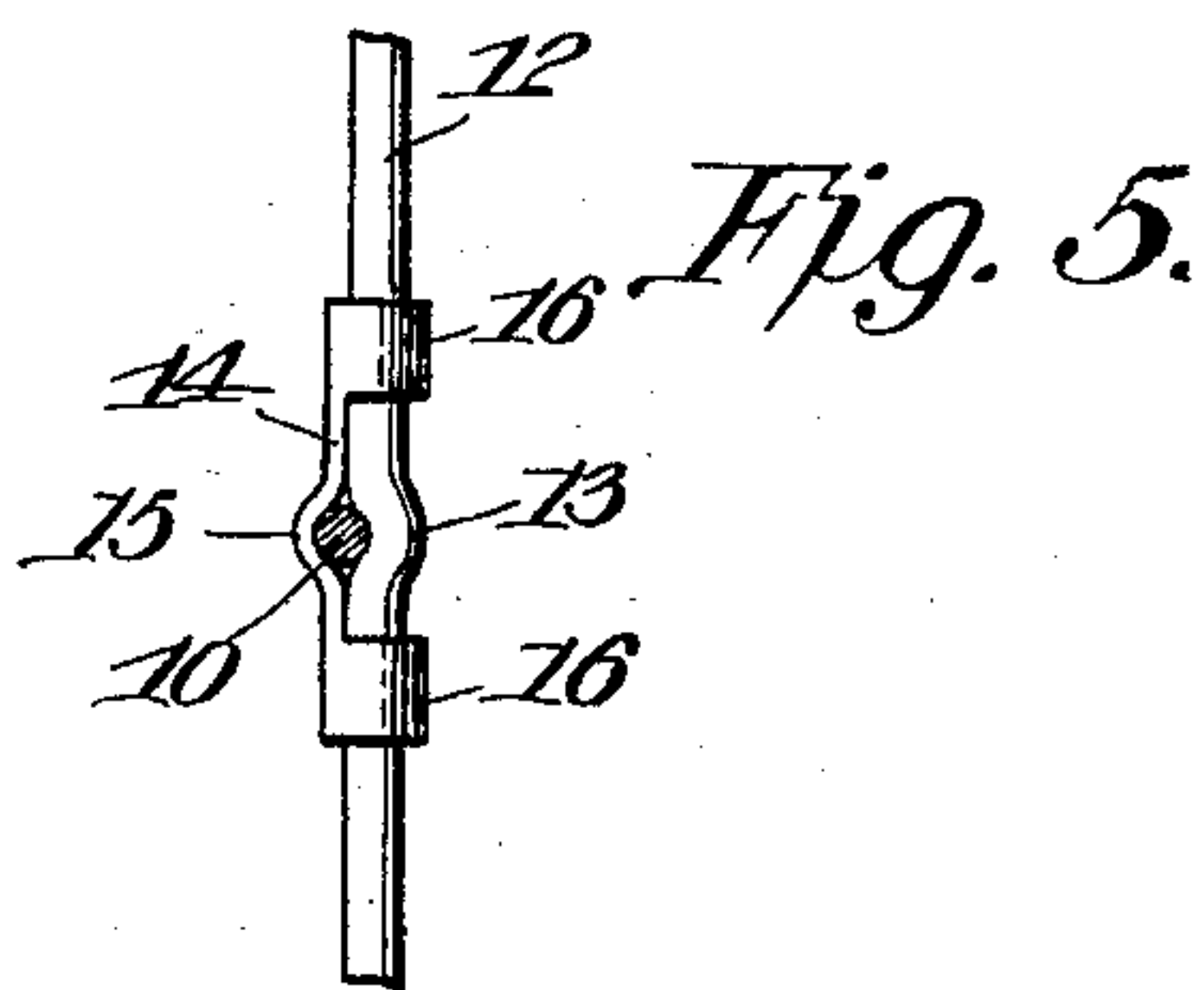
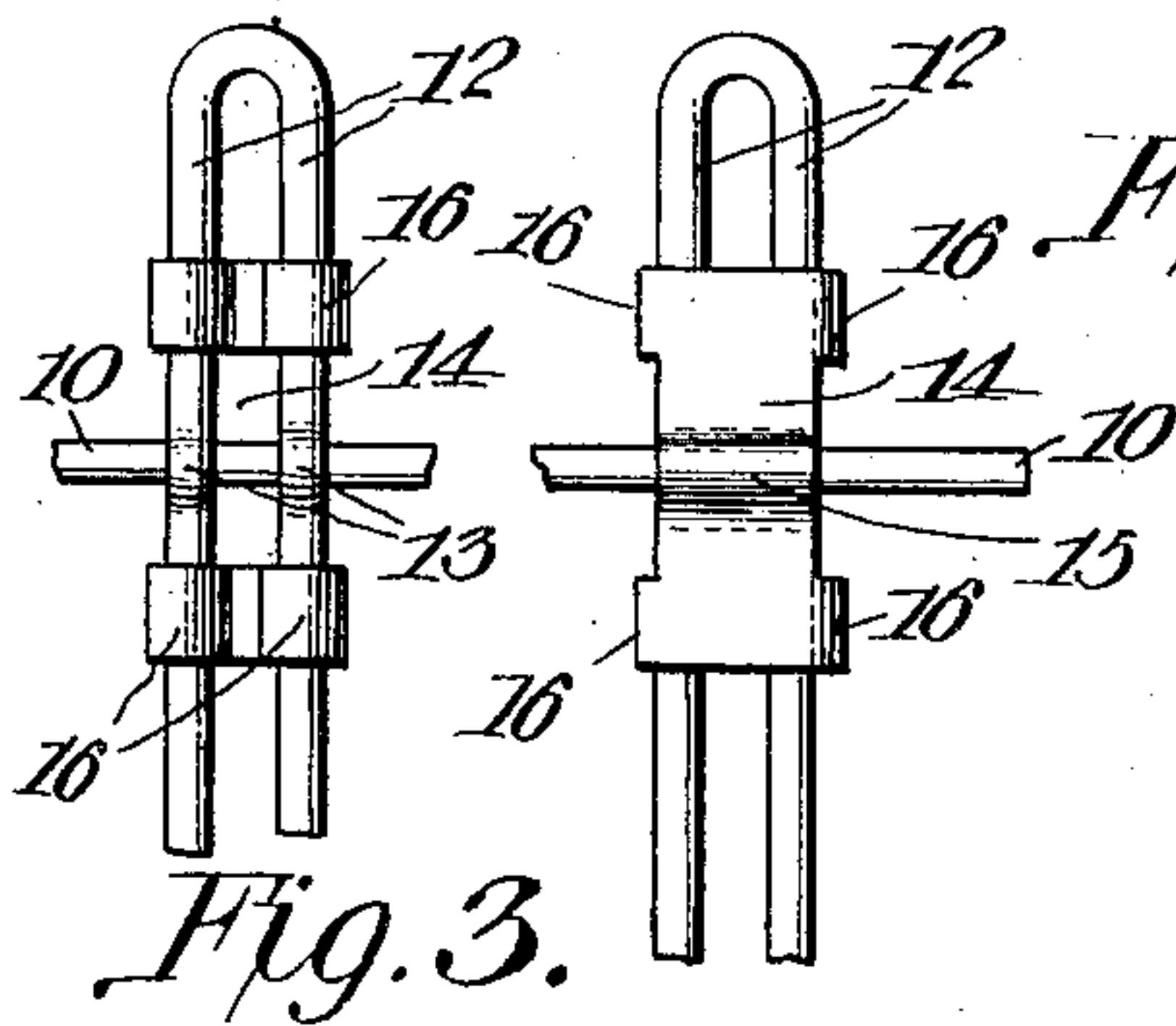
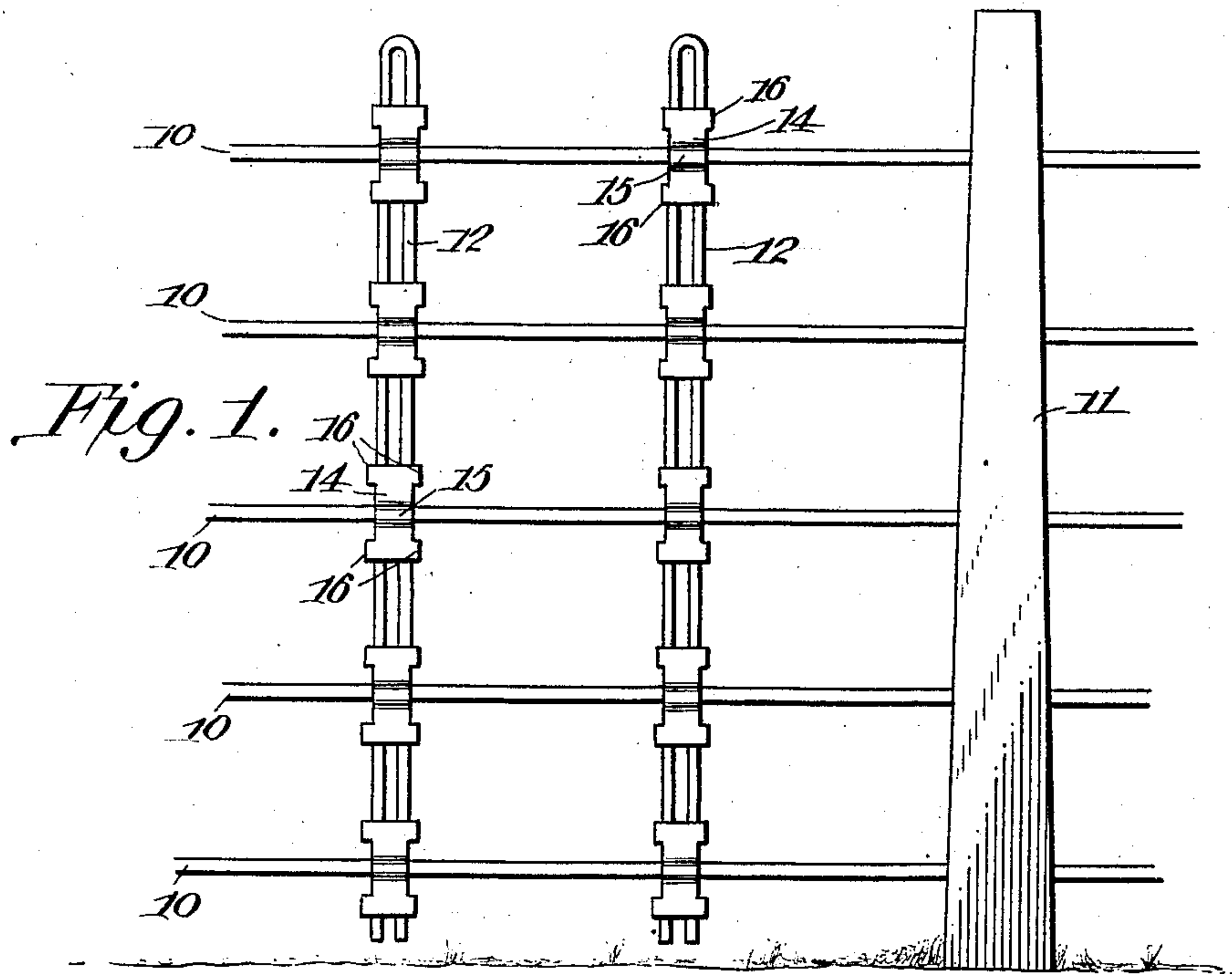


No. 763,830.

PATENTED JUNE 28, 1904.

P. B. YEIDER.
WIRE FENCE STAY CLAMP.
APPLICATION FILED DEC. 2, 1903.

NO MODEL.



Perry B. Yeider,
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by C. H. Woodward,
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UNITED STATES PATENT OFFICE.

PERRY B. YEIDER, OF HELENA, MONTANA.

WIRE-FENCE STAY-CLAMP.

SPECIFICATION forming part of Letters Patent No. 763,830, dated June 28, 1904.

Application filed December 2, 1903. Serial No. 183,486. (No model.)

To all whom it may concern:

Be it known that I, PERRY B. YEIDER, a citizen of the United States, residing at Helena, in the county of Lewis and Clark and State of Montana, have invented a new and useful Wire-Fence Stay-Clamp, of which the following is a specification.

This invention relates to fences of the class wherein wire strand or "runner" wires and transverse stay-wires or pickets arranged in pairs are employed, and has for its object to simplify and improve the form and construction of the clamp whereby the stay-wires are coupled to the strand-wires to increase the "grip" between the parts without increasing the expense or detracting from the appearance of the fence.

The invention consists in certain novel features of construction, as hereinafter shown and described, and specified in the claim.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a view of a section of a fence with the improvement applied. Fig. 2 is a rear view. Fig. 3 is a front view. Fig. 4 is a sectional view. Fig. 5 is a side view, enlarged, of one of the clamp-plates and its adjacent portions of the fence structure. Figs. 6 and 7 are perspective views, enlarged, from front and rear of one of the clamp-plates as furnished for attachment to the fence structure.

The fence construction to which this improvement is applicable embraces therein spaced horizontal strand or runner wires 10 and vertical stay-wires 12, arranged in pairs in what is known as "hair-pin" shape, as shown.

Any number of the strand-wires may be employed and spaced any required distance apart, and likewise any required number of the picket or stay wires may be employed, and one of the improved clamp-plates will be employed at the intersecting points of each, as shown.

The strand-wires are designated at 10, connected to posts 11 in the usual manner, and the stay or picket wires at 12, the latter arranged in parallel members spaced apart and with crimps 13, where they intersect the

strand-wires, so that when clamped thereon the latter will not move vertically, as hereinafter more fully described.

The clamping device consists of a rectangular flat plate 14, having parallel sides and ends and of the full width throughout of the spaced stay-wires 12, as shown.

The clamp-plate is provided centrally with a transverse crimp 15 to fit over the strand-wire 10 and with laterally-extending integral lugs 16 at the corners for bending or crimping around the stay-wires, as shown in Figs. 1, 2, 3, and 4. The crimps 13 in the stay-wires, it will be noted by reference to Fig. 3, come between the upper and lower lugs and opposite the strand-wires, so that the stay-wires, partially encompass the strand-wires, which are thus held between the crimps 15 of the plate and the crimps 13 of the stay-wires. It will be noted that by this construction of the plate 14 with the parallel sides and of the full width throughout of the stay-wires the area in contact with the strand-wire is materially increased and the bearing-surface in contact with the stay-wires also materially increased, so that all tendency of the parts to become loosened under severe strains is obviated.

The clamp-plates will be "struck up" into the shape shown in Figs. 5 and 6 and of relatively heavy steel, and when applied and the lugs 16 firmly "crimped" around the stay-wires a very strong and durable coupling is completed between the strand and stay wires. The coupling is thus accomplished without puncturing, cutting, or otherwise mutilating or weakening the wires, so that a fence is produced of the full strength of the wires composing it.

The clamp-plates may be of any desired strength or quality of material, but will preferably be of steel galvanized or otherwise protected from the effects of oxidation.

Having thus described my invention, what I claim is—

A clamp for securing hair-pin stay-wires to fence-runners, comprising a plate of a width to cover the spaced leg members of the stay-wires, said plate having a transverse crimp for engagement with the runner-wire, and

arms extending laterally from the side edges
of said plate on opposite sides of said crimp
and adapted to be clamped around the stay-
wires on opposite sides of the runner-wire,
5 said plate being arranged to protect the in-
tersecting point of said stay and runner wires
and prevent the springing thereof at this point
on the exertion of pressure thereagainst.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 10
the presence of two witnesses.

PERRY B. YEIDER.

Witnesses:

F. T. RUCE,
CHAS. HORN.