

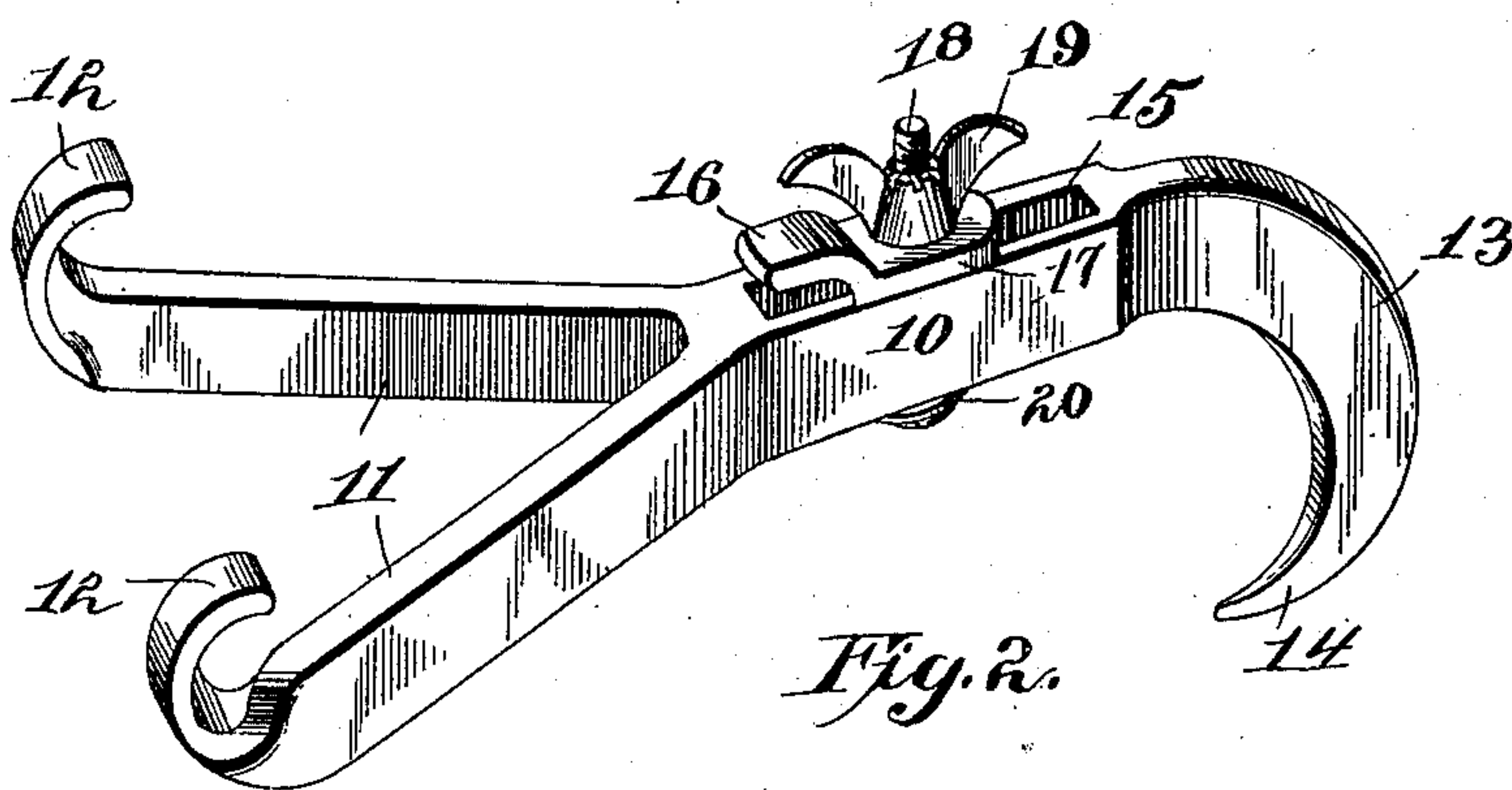
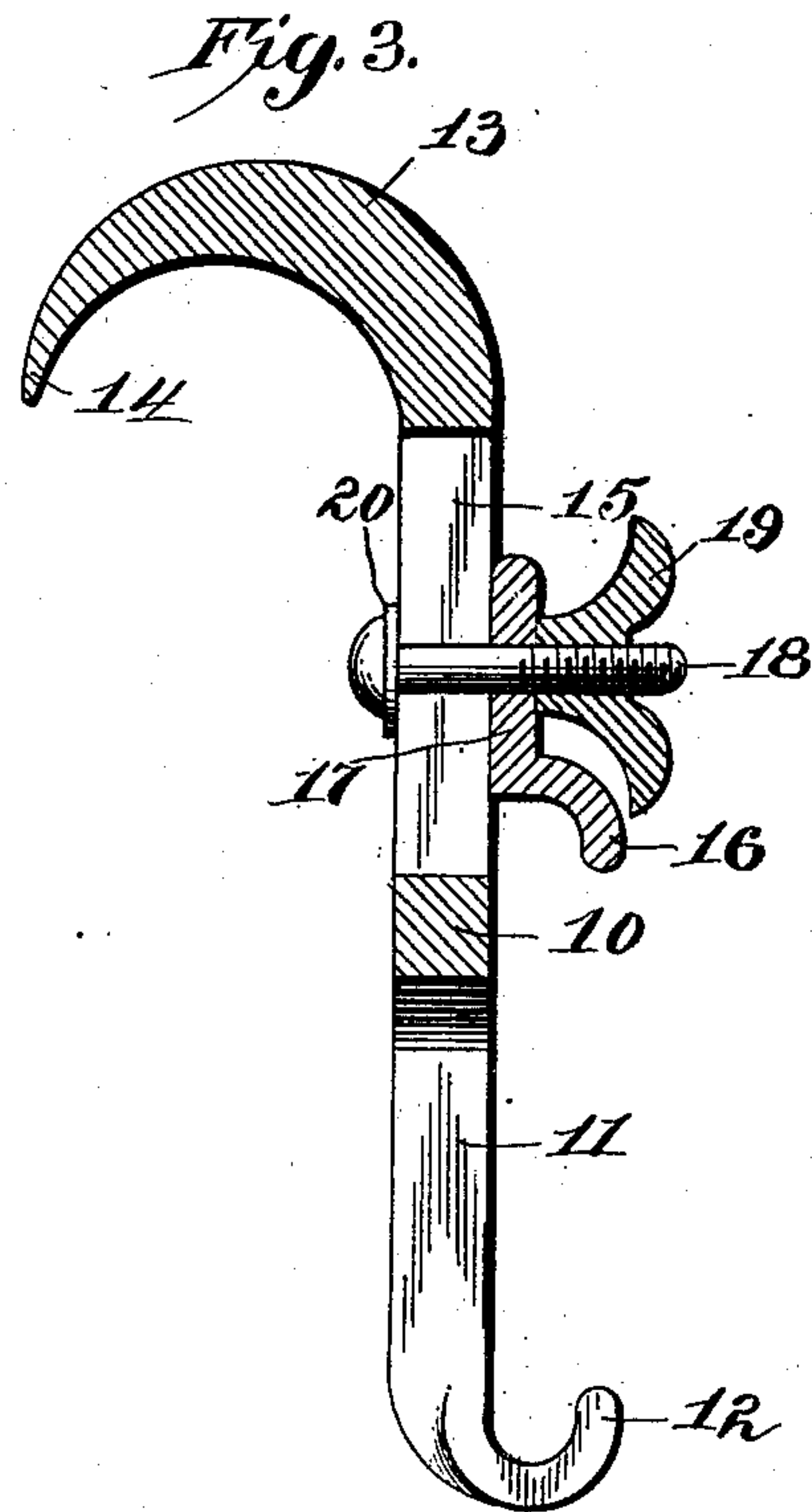
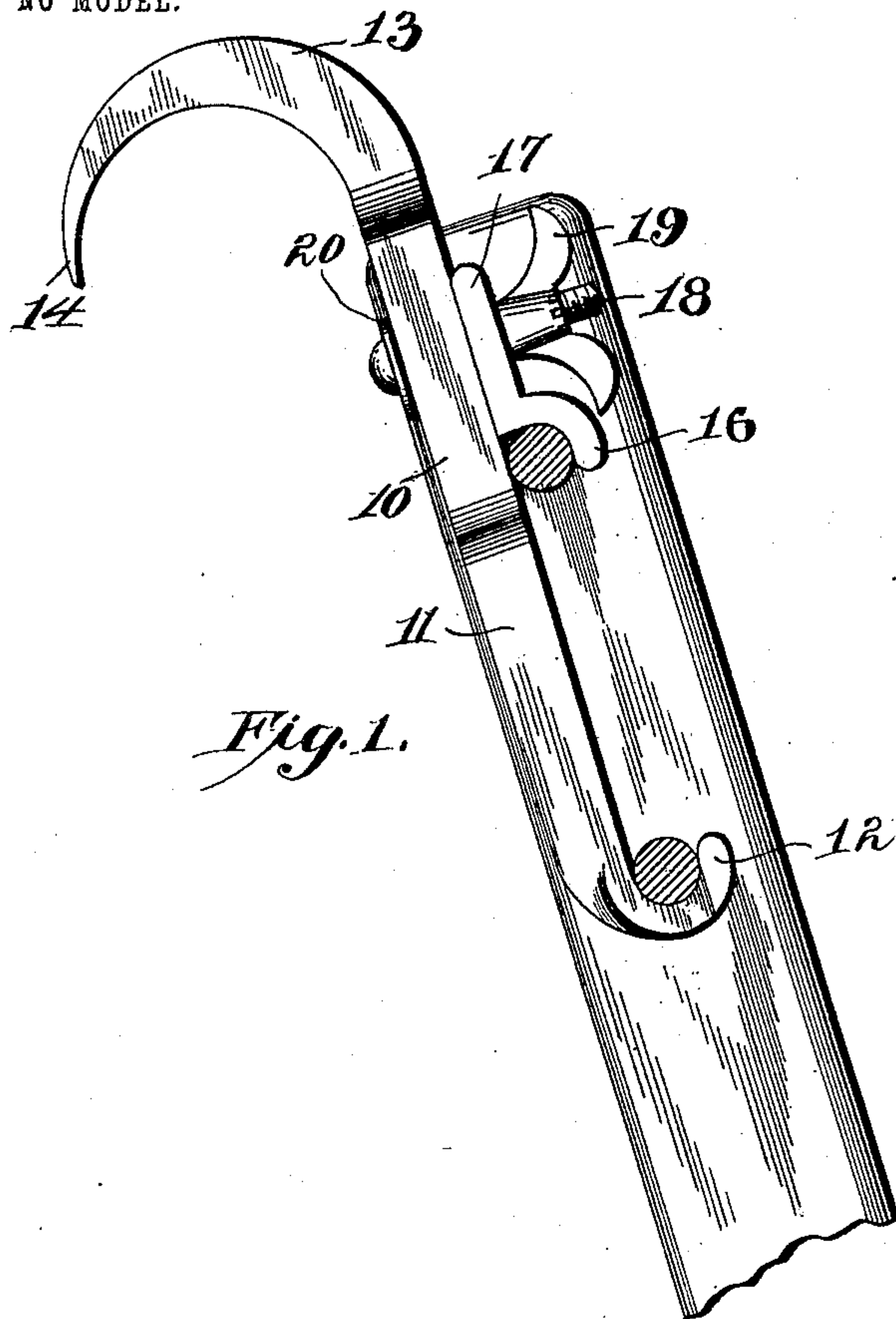
No. 754,776.

PATENTED MAR. 15, 1904.

S. C. JOHNSON.
LADDER HANGER.

APPLICATION FILED MAY 22, 1903.

NO MODEL.



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By

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Witnesses

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UNITED STATES PATENT OFFICE.

SIMON C. JOHNSON, OF DEKALB, ILLINOIS.

LADDER-HANGER.

SPECIFICATION forming part of Letters Patent No. 754,776, dated March 15, 1904.

Application filed May 22, 1903. Serial No. 158,356. (No model.)

To all whom it may concern:

Be it known that I, SIMON C. JOHNSON, a citizen of the United States, residing at Dekalb, in the county of Dekalb and State of Illinois, have invented a new and useful Ladder-Hanger, of which the following is a specification.

This invention relates to devices constructed to be secured to an ordinary ladder to permit the same being hung upon a sloping roof or other analogous structure, so that workmen may ascend the same with safety.

The object is to provide a simple article of manufacture that can be readily applied to ladders having rungs spaced different distances apart, will be securely attached to the ladder, and constitute a strong rigid hanger therefor that will not readily become displaced.

The preferred embodiment of the invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a sectional view of the upper end of a ladder, showing the hanger in place thereon. Fig. 2 is a perspective view of the hanger detached from the ladder, and Fig. 3 is a longitudinal sectional view through said hanger.

Similar reference-numerals indicate corresponding parts in all the figures of the drawings.

In the embodiment illustrated a shank 10 is employed which is provided at one end with integral divergent fingers 11, said fingers having upstanding overhanging hooks 12, the metal between the hooks and the fingers being twisted so that the broad bearing-surfaces of said hooks are at right angles to the widest faces of the fingers. The other end of the shank is provided with an oppositely-projecting hanger-hook 13, which is also formed integral with said shank and preferably has a pointed free end, forming a spur 14.

The shank 10 between the hook 13 and the fingers 11 is preferably thicker than said hook and fingers and is provided with a longitudinally-disposed slot 15, extending from end to end thereof. Upon one face of the shank is slidably located another hook 16, arranged in opposing relation to the hooks 12 and having a base portion 17, that rests against said face. A clamping-bolt 18 passes through the

base portion and the slot of the shank, a suitable nut 19 being threaded upon the opposite end and bearing against a washer 20, interposed between the nut and the shank.

In use the spaced hooks 12 are engaged about the lower portion of one rung of a ladder, while the adjustable hook 16 is fitted over the upper portion of the next rung and is securely clamped against movement by the nut 18. As a result, the device is rigidly attached to the ladder and can neither become displaced nor have any loose movement, because of the spaced lower hooks, which constitute an extended bearing. The upper hook can be engaged over the ridge of a roof or other analogous portion, and thus the ladder is hung so that it will not slide downwardly. At the same time said ladder may be removed by sliding it up a short distance and turning it upon edge, whereupon the hook will be carried out of engagement with the roof and the ladder can be drawn downwardly. As an article of manufacture the attachment is very simple, so that it can be readily constructed and the parts easily assembled. Moreover, it can be applied to and detached from any ordinary ladder, as the adjustment between the rung-engaging hooks permits the attachment of the device to ladders having rungs that are spaced different distances apart.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

As an article of manufacture, a ladder-hanger comprising a shank having integral divergent fingers at one end that are oblong in cross-section and are formed with spaced terminal rung-engaging hooks, said fingers being twisted upon their longitudinal axes to obtain broad bearing-surfaces for the hooks,

an integral hanger-hook projecting from the
end of the shank opposite the rung-engaging
hooks, said shank being furthermore provided
with a longitudinally-disposed slot, another
5 rung-engaging hook disposed in opposing re-
lation to and located on the same side of the
shank as the spaced hooks, said latter rung-
engaging hook having a base portion that is
offset and slidably rests flat against one face
10 of the shank, a bolt passing through the base

portion and the slot of the shank to secure the
hook against movement, and a nut threaded
on the bolt.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 15
the presence of two witnesses.

SIMON C. JOHNSON.

Witnesses:

BENJAMIN S. WHITE,
GEORGE H. MILLER.