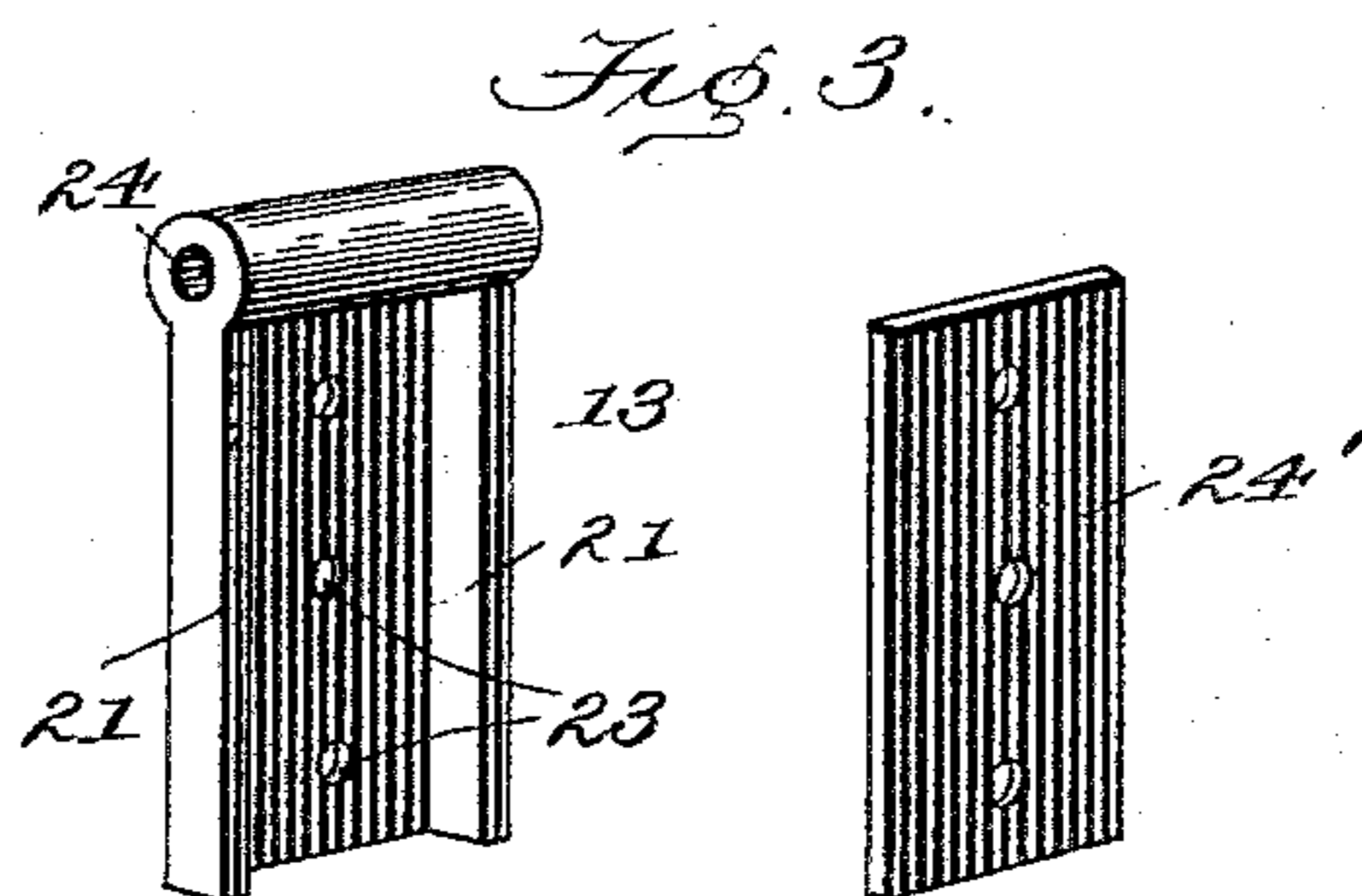
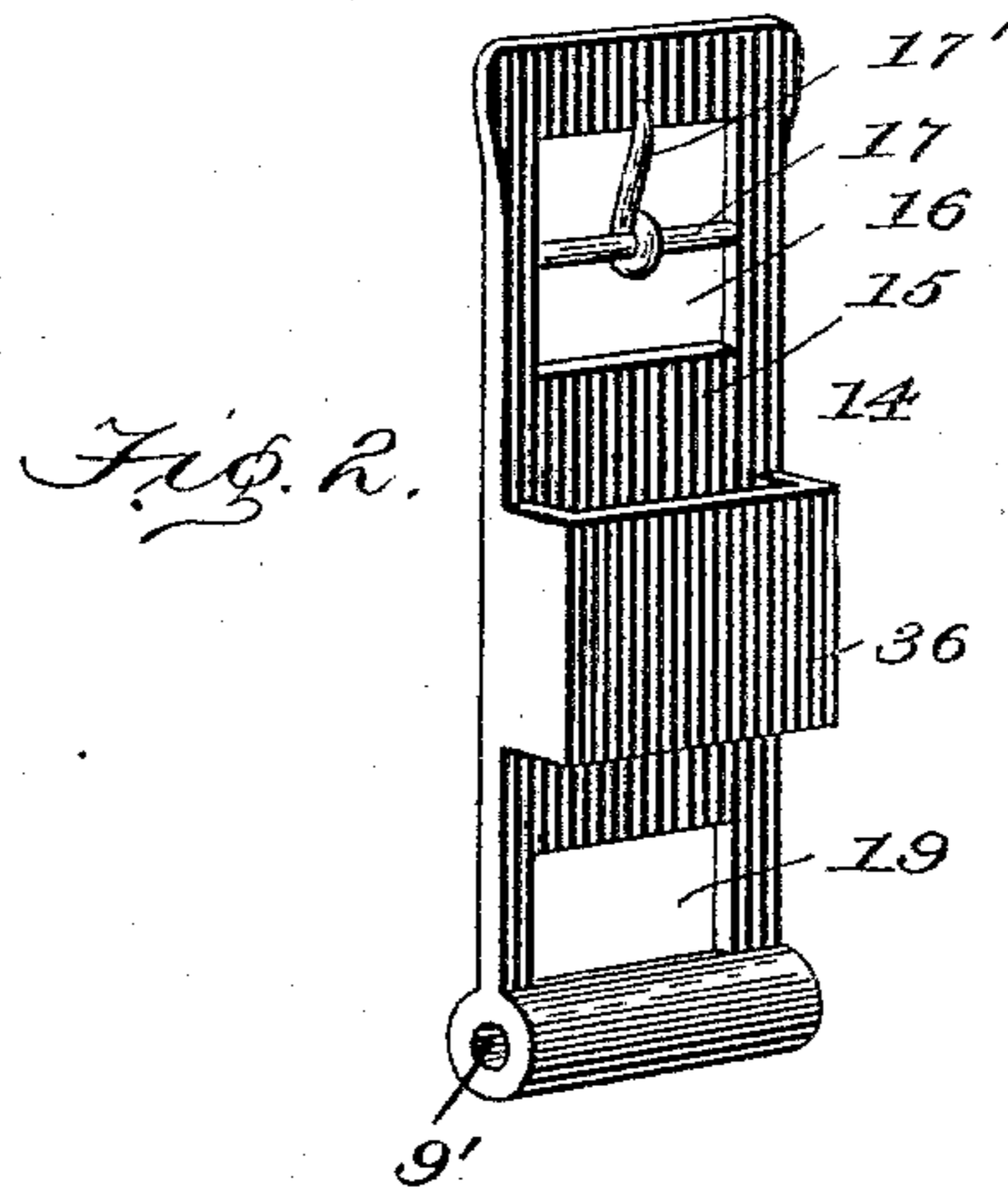
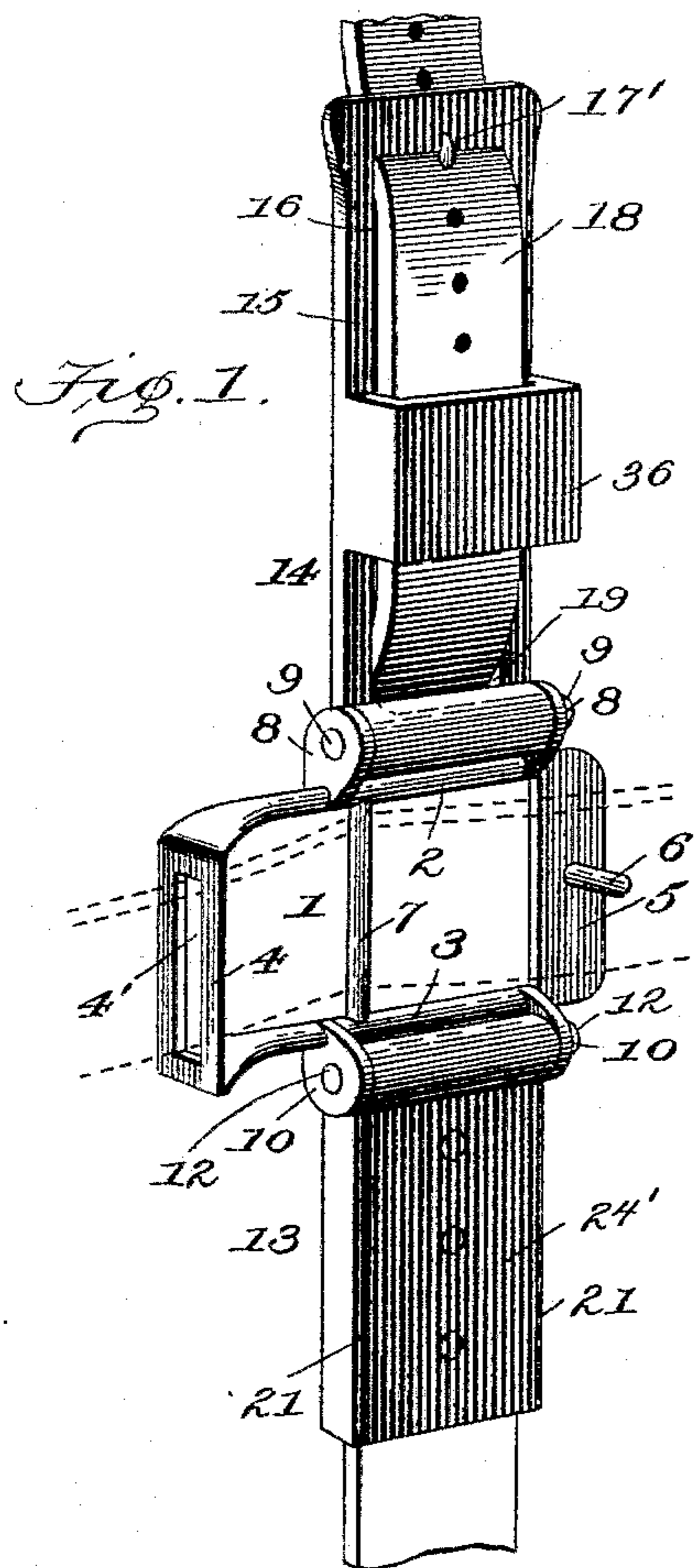


(No Model.)

B. F. GEORGE.
HARNESS BUCKLE.

No. 598,082.

Patented Feb. 1, 1898.



WITNESSES:

Edwin L. Bradford
Wallace Mudock.

INVENTOR

Benjamin F. George
BY
E. Everett Ellis
ATTORNEY.

UNITED STATES PATENT OFFICE.

BENJAMIN F. GEORGE, OF COVINGTON, INDIANA, ASSIGNOR OF ONE-HALF
TO ALLEN SHAFF, OF SAME PLACE.

HARNESS-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 598,082, dated February 1, 1898.

Application filed April 6, 1897. Serial No. 630,965. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. GEORGE, a citizen of the United States, residing at Covington, in the county of Fountain and State of Indiana, have invented certain new and useful Improvements in Harness-Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to harness-buckles and connections; and its object is to provide an improved construction of the same, whereby I secure important advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of a trace-buckle constructed in accordance with my invention, the trace being shown in dotted lines and the belly-band and the pad-skirt being shown in full lines. Fig. 2 is a perspective view of the skirt-buckle. Fig. 3 is a similar view of the belly-band billet.

In the said drawings the reference-numeral 1 designates the trace-buckle, comprising the top and bottom sides 2 and 3, the front end 4, turned upwardly, as shown, and formed with a slot or opening 4' for the passage of the trace, and a rear end piece 5, provided with a pin or stud 6 to engage with a hole in the trace to hold the latter in place. The sides 2 and 3 are connected together by a central cross-piece 7. The side 2 is formed with two apertured lugs 8, one of which apertures is screw-threaded to receive the correspondingly-threaded end of a screw-rod 9. This rod forms the journal of the skirt-buckle, hereinafter described. The lower side 3 is formed with similar apertured lugs 10, provided with a screw-rod 12, to which the belly-band billet 13 is pivoted or hinged.

The reference-numeral 14 designates the pad-skirt buckle, consisting of a metal plate 15, having an opening 16 at its inner end, provided with a central cross-bar 17, with which is pivotally connected a tongue 17', which en-

gages with a hole in the pad skirt or strap 18. Near the outer end the said plate is formed with an opening 19 for the passage of the said pad-strap, and at the end is formed a transverse opening or hole 19' for the passage of the rod 9, thus forming a hinged connection.

The numeral 13 designates the belly-band billet, consisting of a metal plate formed with side flanges 21, holes 23 for the passage of screws or other devices for securing the belly-band thereto, and with a transverse hole 24 to receive the rod 12, forming a hinge connection with the trace-buckle 1.

The numeral 24' designates a shield consisting of a rectangular metal plate secured to the end of the belly-band by the screws which fasten the said band to the billet.

In practice the trace is passed behind the central cross-piece 7 of the trace-buckle and then out through the opening in the front end of the said buckle and the pin or stud of the buckle engaged with a hole in the trace, whereby the buckle is prevented from slipping on the trace. The pad-strap is then passed through the opening in the inner end of the buckle 14 and the tongue 17' thereof engaged with a hole in the said strap. The strap is then passed through a loop 36 at the center of the buckle, and the latter is then connected with the lugs on the upper side of the trace-buckle by means of rod 9. The belly-band billet is connected with the lugs on the lower side of the trace-buckle by the rod 12.

In a harness-buckle and connections made in accordance with my invention there will be a great saving in the quantity of leather employed for the different straps, and consequently economy in the cost.

The invention can be used with either single or double harness and may be employed in connection with light carriages or buggies or heavy wagons or other vehicles and will present a neat and ornamental appearance.

Having thus fully described my invention, what I claim is—

1. As an improved article, a trace-buckle, consisting of the upper and lower sides formed with apertured lugs, the front end piece turned outwardly and formed with a trace-opening,

the rear end piece provided with a stud, and the central cross-piece, substantially as and for the purpose described.

2. The combination with the trace-buckle 5 formed with apertured lugs on its upper side, of the pad-strap buckle consisting of the metal plate having an opening at the inner end, the cross-piece, the tongue pivotally connected with said cross-piece, the central loop, and said 10 plate formed at the outer end with an opening and a transverse hole, and the screw-rod passing through said hole and the apertures in the lugs of the trace-buckle, substantially as described.

3. The combination with the trace-buckle, 15 formed with apertured lugs at its lower side, of the belly-band billet, having a transverse hole at the end, and with flanges at the sides, the shield and the belly-band and fastening-screws, substantially as described. 20

In testimony whereof I affix my signature in presence of two witnesses.

BENJAMIN F. ^{his} × GEORGE.
mark

Witnesses:

OLIVER P. LEWIS,
JOHN MILLER.