

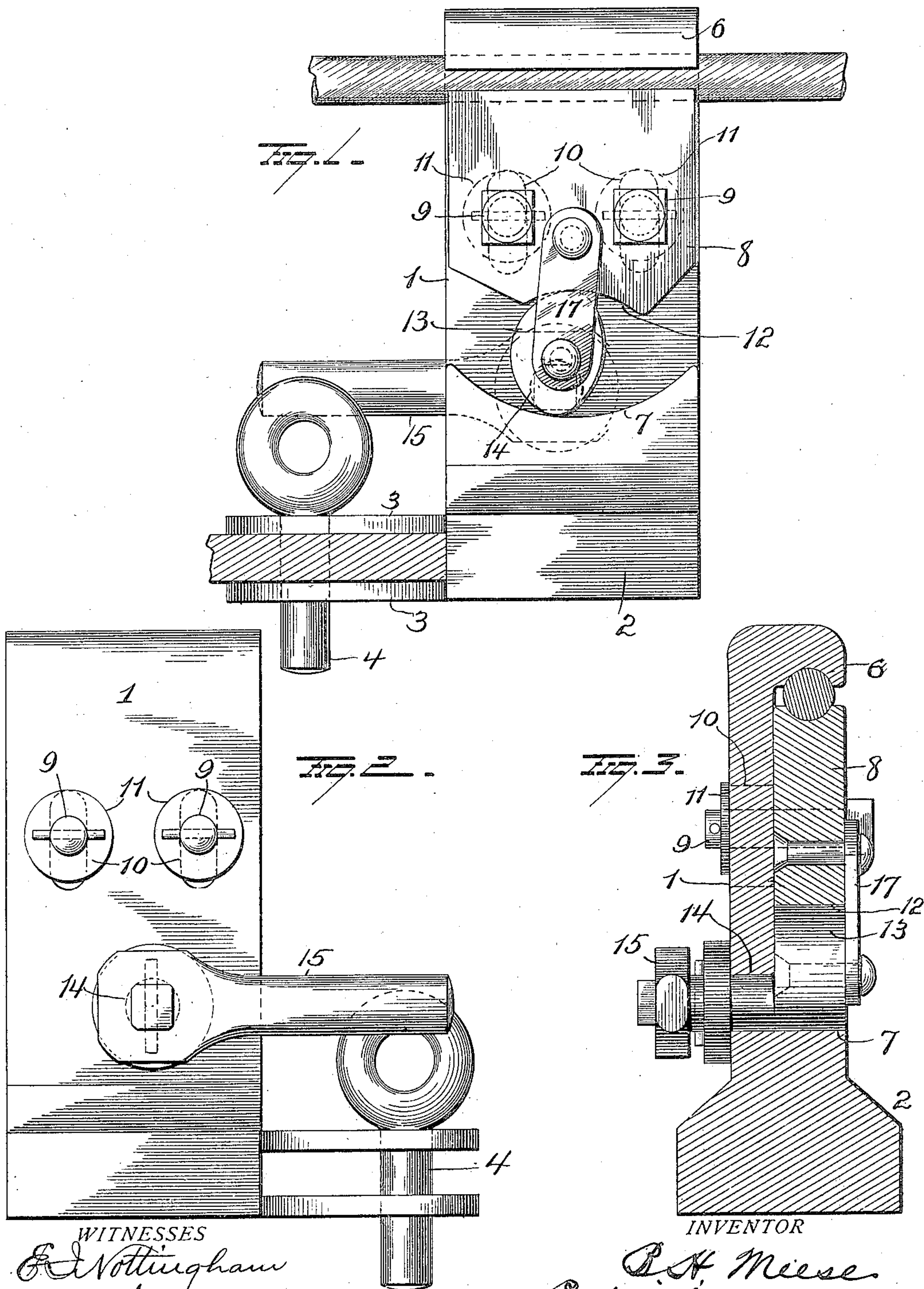
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PATENTED DEC. 31, 1907.

B. H. MEESE.

CLAMP.

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# UNITED STATES PATENT OFFICE.

BOLCER H. MEESE, OF BROWNSVILLE, PENNSYLVANIA.

## CLAMP.

No. 874,976.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed June 15, 1907. Serial No. 379,235.

*To all whom it may concern:*

Be it known that I, BOLCER H. MEESE, of Brownsville, in the county of Fayette and State of Pennsylvania, have invented certain  
5 new and useful Improvements in Clamps; 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  
10 use the same.

My invention relates to an improvement in clamps, and more particularly to an improved grip to be attached to mine cars and adapted to engage a propelling wire or cable,  
15 —the object of the invention being to provide a simple construction by means of which a rod or cable can be securely clamped and readily released.

With this object in view the invention  
20 consists in certain novel features of construction and combinations of parts as herein-after set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation of a clamp embodying my  
25 improvements. Fig. 2 is a rear view, and Fig. 3 is a sectional view.

1 represents the body portion of the clamp or grip provided at one end with a base 2 having laterally projecting arms 3 spaced  
30 apart to receive between them a portion of a mine car to which the clamp or grip is to be attached. The arms 3 are provided with aligned holes to receive a pin 4 for locking the clamp to its support.

35 The body-portion 1 is provided with an overhanging jaw 6 having a curved under-face to adapt said jaw to the wire or cable to be clamped. The body 1 is provided near its base with a shoulder 7 and against said  
40 body 1 and above the shoulder 7, a movable jaw 8 is disposed and provided in its upper end with a curved face similar to the curved face of the rigid jaw 6. Pins 9 are secured to the movable jaw 8 and pass through  
45 elongated slots 10 in the body 1, to guide said movable jaw in its movements, and suitable washers 11 are located on the pins 9 to prevent displacement of said movable jaw. The lower end of the movable jaw 8 is pro-  
50 vided with a curved-face 12 and between this face and the shoulder 7, near the base of body 1, a cam 13 is located. The shank

14 of this cam passes through a hole in the body 1 and is provided with an angular end to receive an operating lever 15. Displace- 55  
ment of the cam and its shank is prevented by means of a collar 16. A link 17 is pivotally connected at one end to the movable jaw 8 and at its other end to the cam 13,—  
60 said link serving to insure the proper return of the movable jaw when the lever is operated to release the clamp from the rod or wire.

It will be seen that by moving the operating lever in one direction, the cam will be turned and, engaging the curved lower face 65  
of the movable jaw, force the latter toward the fixed jaw and cause the propelling wire or cable to be securely clamped or gripped between the jaws. By causing the link to be  
70 so disposed that its longitudinal axis will cut the axis on which the cam turns, the parts will be locked with the wire or cable between the two jaws. When the operating lever is moved in the opposite direction the parts  
75 will be unlocked, the movable jaw released and the link 17 will then serve to insure the return of the movable jaw, as hereinbefore explained.

Slight changes might be made in the details of my invention without departing from 80  
the spirit thereof or limiting its scope and hence I do not wish to restrict myself to the precise details herein set forth.

Having fully described my invention what I claim as new and desire to secure by Let- 85  
ters-Patent, is,—

1. In a clamp, the combination with a body portion provided with a fixed jaw, of a movable jaw mounted on the body portion, a cam for operating the movable jaw and a link 90  
pivoted at one end to the movable jaw and at the other end to the cam.

2. In a clamp, the combination with a body portion having elongated slots and provided at one end with a fixed jaw, of a mov- 95  
able jaw, pins secured to said movable jaw and passing through the elongated slots in the body portion, a cam supported by the body portion, under the movable jaw, for operating the latter, and a lever connected 100  
with the said cam.

3. In a clamp, the combination with a body portion provided at one end with a fixed jaw and at the other end with a base

portion, of arms projecting from the base  
portion adapted for attachment to a support,  
a movable jaw mounted on the body-portion,  
a cam supported by the body-portion over  
5 the base and under the movable-jaw for op-  
erating the latter, and a lever for operating  
the cam.

In testimony whereof, I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

BOLCER H. MEESE.

Witnesses:

SAMUEL L. BAKER,  
CHAS. E. MEESE.