J. A. HOLMQUIST.

STRIPPING APPARATUS.

APPLICATION FILED JAN. 11, 1919.

1,317,500. Patented Sept. 30, 1919.

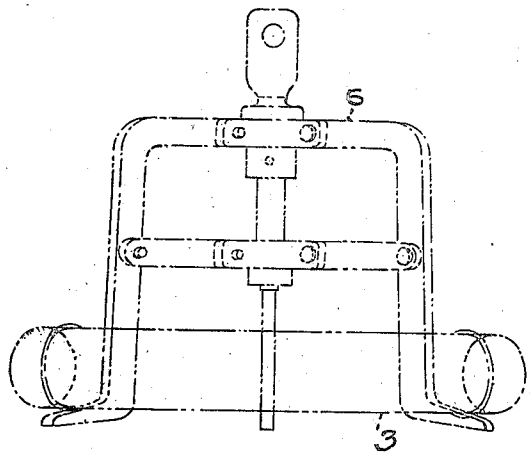
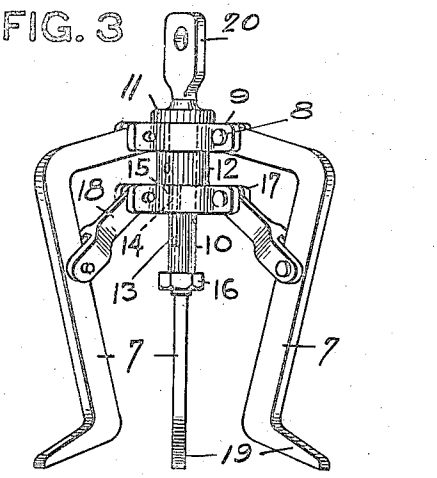


FIG. 3



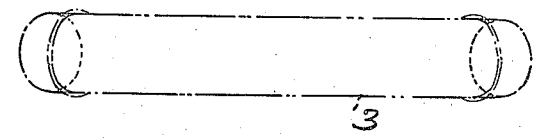


FIG. 1

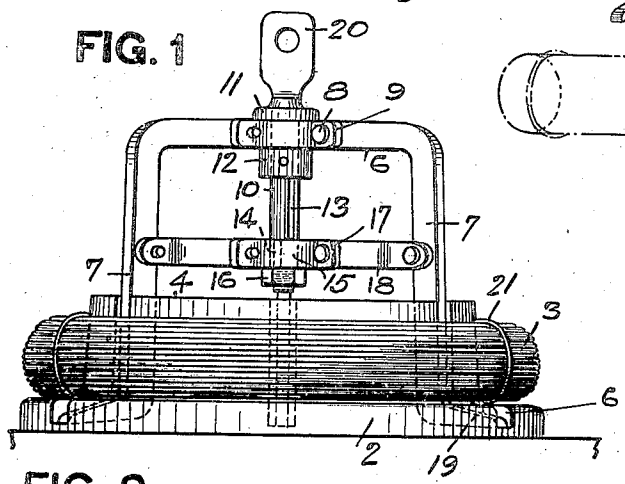


FIG. 4

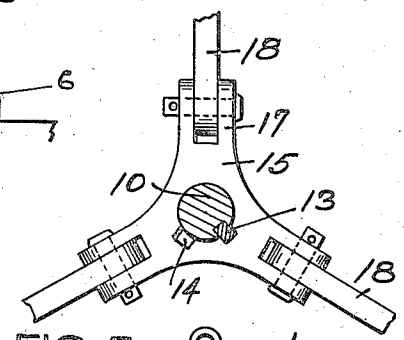


FIG. 2

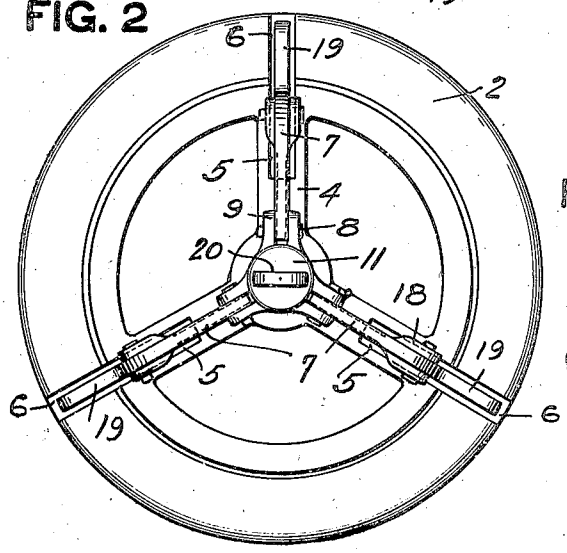
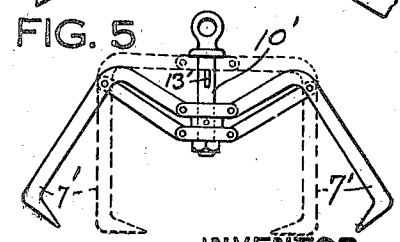


FIG. 5



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UNITED STATES PATENT OFFICE.

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STRIPPING APPARATUS.

1,317,500. Specification of Letters Patent. Patented Sept. 30, 1919.

Application filed January 11, 1919. Serial No. 270,768.

To all whom it may concern:

Be it known that I, JOHN A. HOLMQUIST, a citizen of the United States, and resident of Woodlawn, in the county of Beaver and State of Pennsylvania, have invented a new and useful Improvement in Stripping Apparatus; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to stripping apparatus and more particularly to apparatus to be employed in connection with the stripping of coils of wire from a wire reel upon which the wire has been wound, although other uses for the invention may be developed.

The object of my invention is to provide a simple and efficient form of stripping apparatus by means of which the coils of wire may be quickly stripped from the reel and released from the stripping device.

To these ends my invention comprises the novel features hereinafter set forth and claimed.

In the accompanying drawing Figure 1 is a view of the stripper in position in full lines, the position of the stripper after the stripping operation being indicated in dotted lines; Fig. 2 is a plan view; Fig. 3 is a view of the stripper in collapsed position; Fig. 4 is a cross sectional view of a portion of the stripper, and Fig. 5 shows a modified form of my invention.

In the drawing the numeral 2 designates the reel or support around which the coiled bundle of wire 3 has been wound. This reel 2 is provided with the spider 4 with the radial grooves 5 formed therein, which register with the radial slots 6 in the reel.

The stripper 6^a is composed of the arms 7 pivotedly mounted by the pins 8 on the lugs 9 which form the bearing for the shaft 10. The shaft 10 has the head 11 which rests upon the lugs 9, and below said lugs on said shaft is the collar 12. In this manner the shaft 10 is held against vertical movement, but is free to rotate in its bearing. The shaft 10 is provided with the key 13 which is adapted to engage a keyway 14 in the sleeve 15 through which the shaft 10 passes. At the lower end of the shaft 10 is the nut 16.

The sleeve 15 is provided with the lugs 17 and pivotedly connected to said lugs are the toggle arms 18. The outer ends of the toggle arms 18 are connected to the swinging arms 17.

The lower ends of the arms 7 are provided with the foot-portions 19.

At the upper end of the shaft 10 is the connection 20 by means of which the stripper is suspended from an overhead crane or other apparatus.

When the wire has been wound on the reel in the ordinary manner, and has been tied by the tie-wires 21, which may be slipped up through the slots 6, the stripper is then lowered in its collapsed form and the arms 7 are lowered down into the slots 5, whereupon by forcing down on the shaft 10 the toggle-arms 18 are forced outward into the position shown in Fig. 1 bringing the foot-portions 19 down into the slots 6 and under the wire-coil on the reel. The shaft 10 is then turned to throw the key 13 out of register with the key-way 14. Power is then applied to lift the stripper. As the toggle-arms 18 are locked against movement it will be apparent by the upward movement of the stripper with the foot-portions 19 under the coil of wire, said coil will be stripped from the reel and held suspended above the same as clearly indicated in dotted lines Fig. 1. The stripper carrying the wire may then be moved to a point where the wire is to be deposited, whereupon by turning the shaft 10 until the key 13 comes into register with the key-way 14 the weight of the wire will cause the arms 7 to collapse and assume the position indicated in Fig. 3, the bundle of wire freed therefrom as indicated in dotted lines Fig. 3.

What I claim is:

In a stripping device, the combination of swinging arms having foot portions, a shaft, a bearing from which said arms are supported, a sleeve on said shaft, said shaft and sleeve rotary the one with relation to the

other, toggle-arms connecting said sleeve to said swinging arms, a key on said shaft, and a key-way formed in said sleeve whereby by the turning of said shaft or sleeve, said key is brought into register with said key-way, permitting said arms to swing to released position.

In testimony whereof, I the said JOHN A. HOLMQUIST have hereunto set my hand.

JOHN A. HOLMQUIST.

Witnesses:
A. E. CLANEY,
ROBT. D. TOTTEN.