

(No Model.)

A. WICKEY.
WIRE HOLDING REEL.

No. 514,104.

Patented Feb. 6, 1894.

Fig. 1.

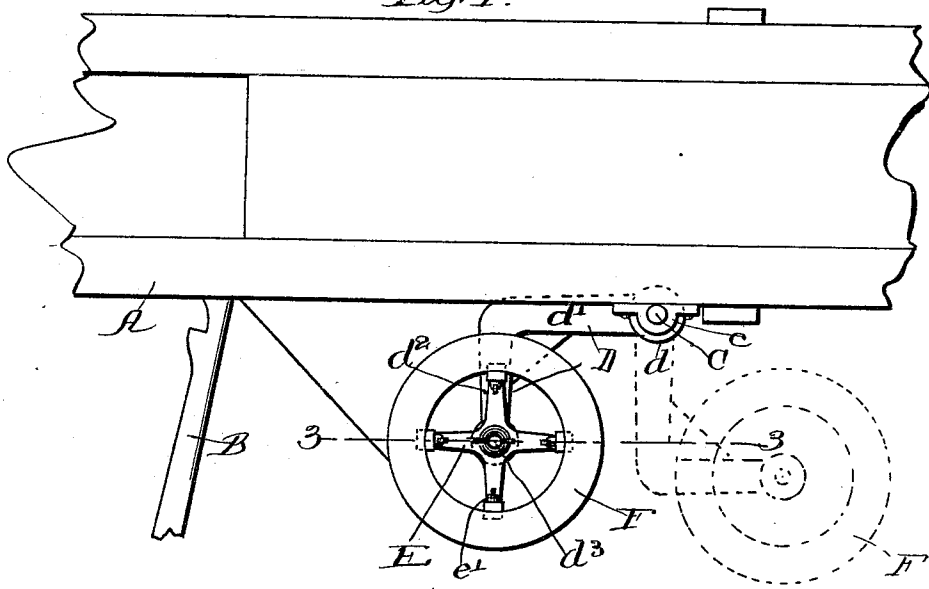


Fig. 2.

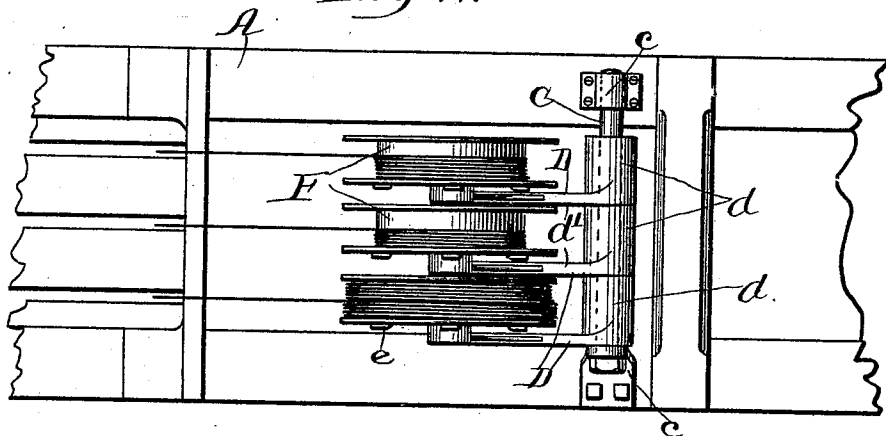
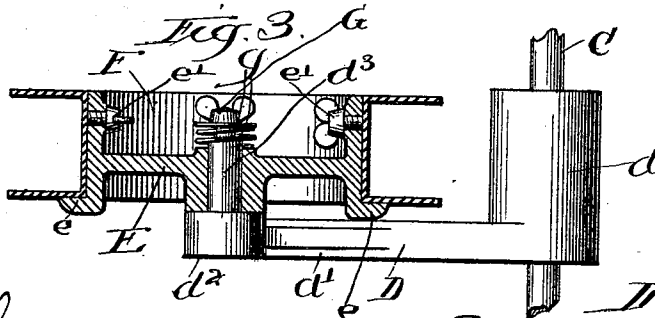


Fig. 3.



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UNITED STATES PATENT OFFICE.

ANDREW WICKEY, OF CHICAGO, ILLINOIS.

WIRE-HOLDING REEL.

SPECIFICATION forming part of Letters Patent No. 514,104, dated February 6, 1894.

Application filed May 17, 1893. Serial No. 474,498. (No model.)

To all whom it may concern:

Be it known that I, ANDREW WICKEY, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wire-Holding Devices for Self-Tying Baling-Presses, of which the following is a specification.

My invention relates to a certain new and improved wire-holding device intended for use upon self-tying baling presses. The wire ordinarily used to tie bales is commonly heavy, and it has been found impracticable to attempt to take it directly from an ordinary bundle as it is used by the press. It is my purpose to provide a device adapted to hold a limited quantity of wire in such shape that it may be easily taken by the tying devices without danger of kinking or unrolling too rapidly.

To such end the invention consists in a certain new and improved construction, which will be understood from the following description taken in connection with the drawings presented herewith.

My invention is illustrated in the drawings by means of three figures, of which, Figure 1 is a plan view of a portion of a baling press showing a wire-holder applied thereto. Fig. 2 is a side elevation of the same; and Fig. 3 is a section in line 3—3, of Fig. 1.

The frame of the press is lettered A, and the wire-inserting needle, B. These parts are both so well known in the art that it is not thought necessary to illustrate or describe them more fully.

Upon the same side of the press as the needle an upright rod, C, is fastened by means of brackets, c. Upon this rod is pivoted a series of arms, D, by means of hubs, d, which arms are shown as bent at right angles, so that a portion, d', may normally rest against the side of the baling press, and another portion d², extend from the free end of the first portion at right angles to said frame.

Upon the free end of the parts, d², a pin, d³, is provided, and a series of spiders, E, are journaled upon these pins, said spiders being fitted to the interior of drums, F, upon which the wire is wound. The arms of these spiders

have at their ends horizontal lips, e, to furnish a rest when a drum is placed upon one of them; and also thumb-screws, e', by means of which a drum may be clamped in place upon a spider.

Upon the ends of the pins, d³, a thumb-nut, G, is provided and a tension spring, g, is interposed between said nut and the hub of the spider, E. The spiders are nicely journaled upon the pins, and when the drums are clamped upon the spiders, and the thumb-nuts, G, screwed down to give the requisite pressure upon the spiders, the wire may be unwound from the drums without any rattling or play, or without any danger of unwinding too rapidly. When one of the drums becomes empty, the arm which carries it is swung into the position shown in dotted lines in Fig. 1, bringing the drum upon this particular arm out from under the others, where it may be removed from the spider and a new one substituted with perfect ease. When these swinging arms, D, are in their normal position, the parts, d, bear against the side of the baling press which acts as a stop to prevent the pull of the wire from swinging the arms farther.

The principal advantage gained by my invention is that the drums, F, may be wound with wire by the manufacturer of wire and shipped to the consumer without serious addition to the weight of the wire; and then, when the consumer wishes to use them upon a baling press, he merely adjusts one of the spiders, with which he has been furnished along with the press, into each of the drums, and he has an accurate and easy running reel from which he can use the wire without danger of kinking or difficulty of any sort.

I claim as new and desire to secure by Letters Patent—

1. The combination with the hollow drum F, of the removable center E, having the horizontal projecting lips e, and the thumb screws e', substantially as described.

2. The combination with the frame of a baling press, of a series of bent arms pivoted thereto, each having one portion normally resting against the frame of the press, which acts as a stop, and another portion extend-

ing substantially at right angles to said frame, and a series of reels removably pivoted upon the free ends of said arms, substantially as described.

- 5 3. The combination with a hollow drum F, of the removable center E clamped thereto, a spindle d^3 supporting the center, a nut G

upon the spindle, and a spring g interposed between the nut and the center.

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