W. B. COOK, JR.

REEL.

APPLICATION FILED SEPT. 4, 1919.

1,333,162.

Patented Mar. 9, 1920.

Fig. 1.

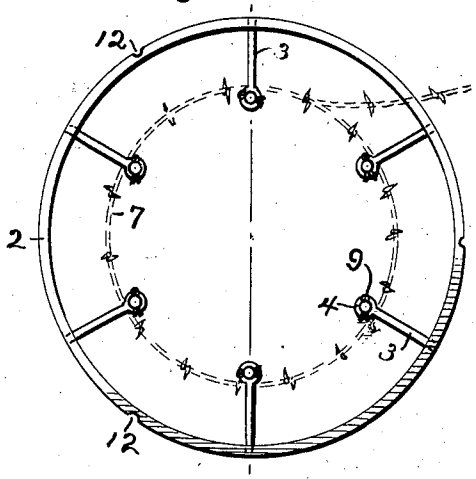


Fig. 2.

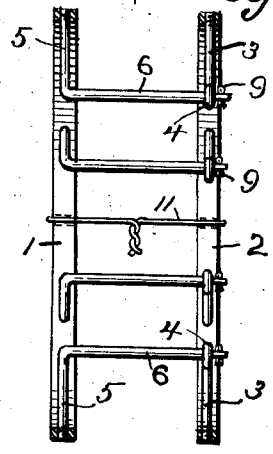
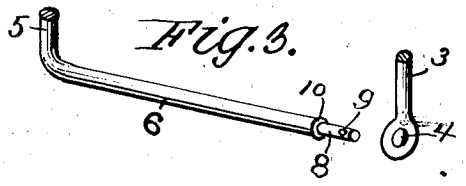


Fig. 3.



WITNESSES

Guy M. Spring

U. B. Hillyard.

Inventor

WESLEY B. COOK, JR.

By Richard B. Owen.

Attorney

UNITED STATES PATENT OFFICE.

WESLEY B. COOK, JR., OF WESTON, MISSOURI.

REEL.

1,333,162. Specification of Letters Patent. Patented Mar. 9, 1920.

Application filed September 4, 1919. Serial No. 321,547.

To all whom it may concern:

Be it known that I, WESLEY B. COOK, Jr., a citizen of the United States, residing at Weston, in the county of Platte and State of Missouri, have invented certain new and useful Improvements in Reels, of which the following is a specification.

The primary object of this invention is the provision of a reel for receiving wire, such as generally used in fencing inclosures and has for its object to provide a reel upon which barbed or fence wire of any kind may be conveniently wound and readily unwound when required for use, and which reel is light and durable in structure and which will enable the wire when reeled to retain its compact form until positively unwound from the reel for use.

The drawings illustrate a preferred embodiment of the invention. However, it is to be understood that in adapting the same to meet different conditions, various changes in the form, proportion, and minor details of construction may be resorted to without departing from the nature of the invention as claimed hereinafter.

Referring to the accompanying drawings;

Figure 1 is a side view of a reel embodying the invention showing a length of barbed wire wound thereon;

Fig. 2 is a section of the reel on the line 2—2 of Fig. 1; and

Fig. 3 is a detail view of end portions of the members which coact with rings to form the reel upon which the wire is adapted to be wound.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by like reference characters.

While the reel is primarily designed for receiving fence wire of any kind, it is to be understood that any article usually formed into a coil may be wound thereon, hence the reel is adapted for general use receiving cord, tubing and other articles capable of being wound into the form of a coil.

The reel comprises two rings 1 and 2 which are of like diameter and construction. Each of these rings is provided with a plurality of members which together with the rings constitute the reel. The members 3 applied to the ring 2 consist of rods which are secured at their outer ends to the ring and extend inwardly on radial lines and terminate at their inner ends in eyes 4 for a purpose presently explained. In the preferable construction, the members 3 consist of stout wire and their outer ends are connected to the ring 2 by means of a screw-thread.

The members attached to the ring 1 consist of elements 5 and 6. These elements form parts of a single wire which has portions bent to extend relatively at a right angle to each other. The elements 5 correspond in length to the members 3 and are attached at their outer ends to the ring 1 in any manner preferably by means of screw-threads. The elements 6 are disposed in parallel relation with one another and with the axis of the reel and form supporting means for the wire 7 or other article to be wound upon the reel. The ends of the elements 6 make connection with the inner ends of the members 3 and as shown most clearly in Fig. 3, the outer end of each element 6 is reduced, as indicated at 8 to pass through the eye 4 of the member 3, the projecting end being transversely apertured to receive a cotter pin 9. The eye 4 is confined between the cotter pin 9 and the shoulder 10 formed at the inner end of the reduced portion 8. The members are applied to the rings preliminary to assembling said rings. After the members have been fitted to the rings, the latter are brought together in a manner to admit of the reduced ends 8 of the elements 6 passing through the eyes 4 of the members 3 after which the cotter pins 9 are placed in position, thereby holding the parts in the assembled relation.

It will be observed from the drawings taken in connection with the foregoing description that the supporting elements 6 are set inward from the rings a distance corresponding to the length of the members 3 and elements 5, hence the wire or other article to be wound upon the reel is prevented from lateral displacement by the rings and by the elements 5 and members 3. After the wire or other article has been wound upon the reel, it is made secure by one or more ties 11. Each tie 11 consists of a wire or other strand passed about the rings 1 and 2 and between said rings and the outer layer of the wire or article wound upon the reel. The ends of the wire or other tie are made secure,

To prevent slipping of the tie, notches 12 are formed in the rings and the tie 11 is seated therein.

The foregoing description and the drawings have reference to what may be considered the preferred, or approved form of my invention. It is to be understood that I may make such changes in construction and arrangement and combination of parts, materials, dimensions, et cetera, as may prove expedient and fall within the scope of the appended claims.

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

1. A reel, comprising laterally spaced rings of like diameter, members attached at their outer ends to one of the rings and extending radially inward therefrom and terminating at their inner ends in eyes, and parallel members secured at one end in the respective eyes and having their opposite end portions radially disposed and secured at their outer ends to the other ring.

2. A reel, comprising rings, members attached to one of the rings and projecting inwardly therefrom and terminating in eyes and complemental members attached to the other ring and having portions extending inwardly therefrom, thence laterally and having the outer ends of the laterally extending portions reduced to pass through the eyes of the before mentioned members and means applied to the projecting portions of the reduced ends to retain the parts in assembled relation.

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

WESLEY B. COOK, JR.

Witnesses:
WM. SCHABACK,
E. M. HARDESTY.