(No Model.)

E. M. BISHOP.

ROPE REEL.

No. 303,799. Patented Aug. 19, 1884.

Fig. 1.

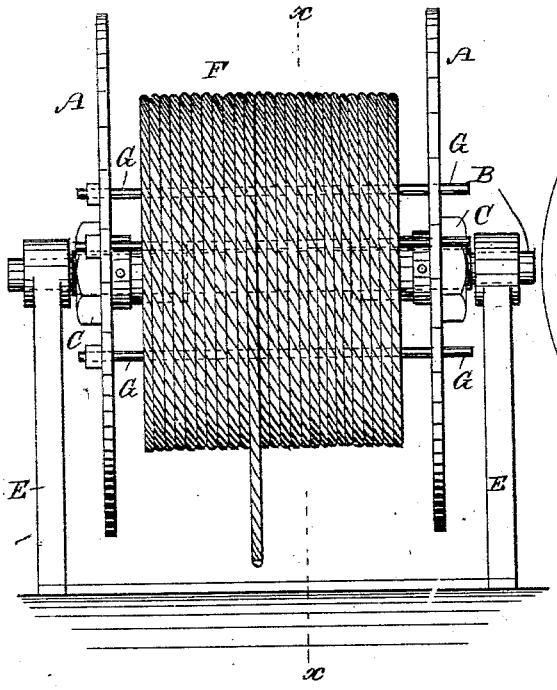


Fig. 2.

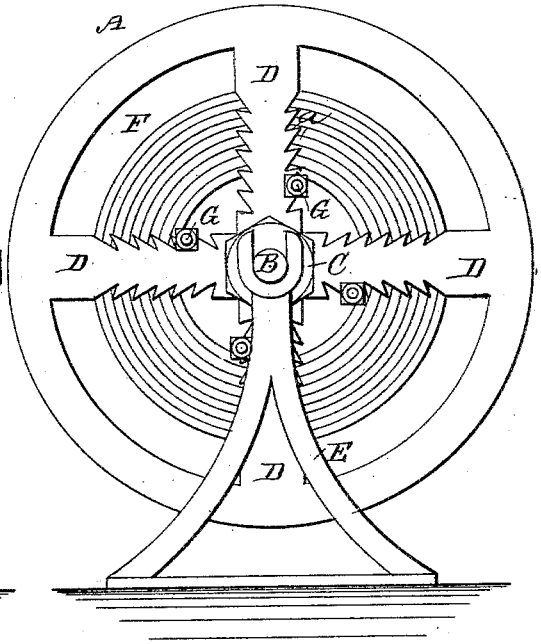
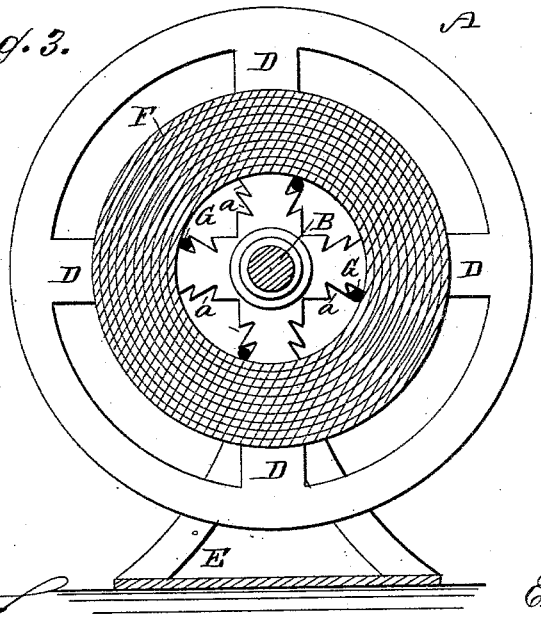


Fig. 3.



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EPHRAIM M. BISHOP, OF OLIVE BRIDGE, NEW YORK.

ROPE-REEL.

SPECIFICATION forming part of Letters Patent No. 303,799, dated August 19, 1884.

Application filed June 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM M. BISHOP, of Olive Bridge, in the county of Ulster and State of New York, have invented a new and Improved Rope-Reel, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved spool on which coils or balls of rope or cord of various sizes can be held very easily and in such a manner that the cord or rope can be unwound very readily.

The invention consists in the construction and combination of parts forming a rope-reel, hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal view of my improved spool for cord or rope. Fig. 2 is an end view of the same. Fig. 3 is a cross-sectional elevation of the same on the line *x x*, Fig. 1.

Two circular end pieces or disks, A, are mounted loosely on a shaft, B, and are held in place by nuts C, screwed on the shaft. The end pieces or disks are provided with a series of radial arms, D, having notches *a*, inclined inward from the periphery toward the center of the disk. The ends of the shaft B are placed in bearings in a frame, E, or the shaft is hung in any other suitable manner, so that it can revolve freely. If a ball, F, of cord is to be held on the spool, one end disk or end piece, A, is removed, the shaft B is passed through the ball, the end piece A is replaced on the shaft and locked in place by means of the nut C. Then rods or wires G are passed through the openings in the disks and through the ball, the said rods resting on the notched edges of the arms D. They are pressed against the sides of the opening in the ball and are passed into the notches *a*, and thus hold the ball centered on the spool. Large or small balls or coils are held in the same way, and likewise balls or coils of different widths.

If my improved spool is used, the balls of cord or twine can be placed in the spool, and need not first be wound on a reel. The spool can be made of wood or metal, as may be desired.

Rope is put in the market in coils which vary in size, and merchants, to handle the same, have to wind it on a spool of some kind, which operation is quite tedious. My invention does away with all that work and furnishes a spool that can be used without rewinding the rope, and can be used to rewind upon, if necessary.

I am aware that radially-adjustable bars in rope-reels are not new, and I do not claim the same, broadly, as my invention.

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

In a rope-reel, a shaft having bearings at its ends and screw-threads and shoulders near the bearings, and nuts for said screw-threads, in combination with two centrally-perforated disks, having radial arms notched on their edges, and rods or bars to rest in said notches, substantially as and for the purpose specified.

EPHRAIM M. BISHOP.

Witnesses:
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