

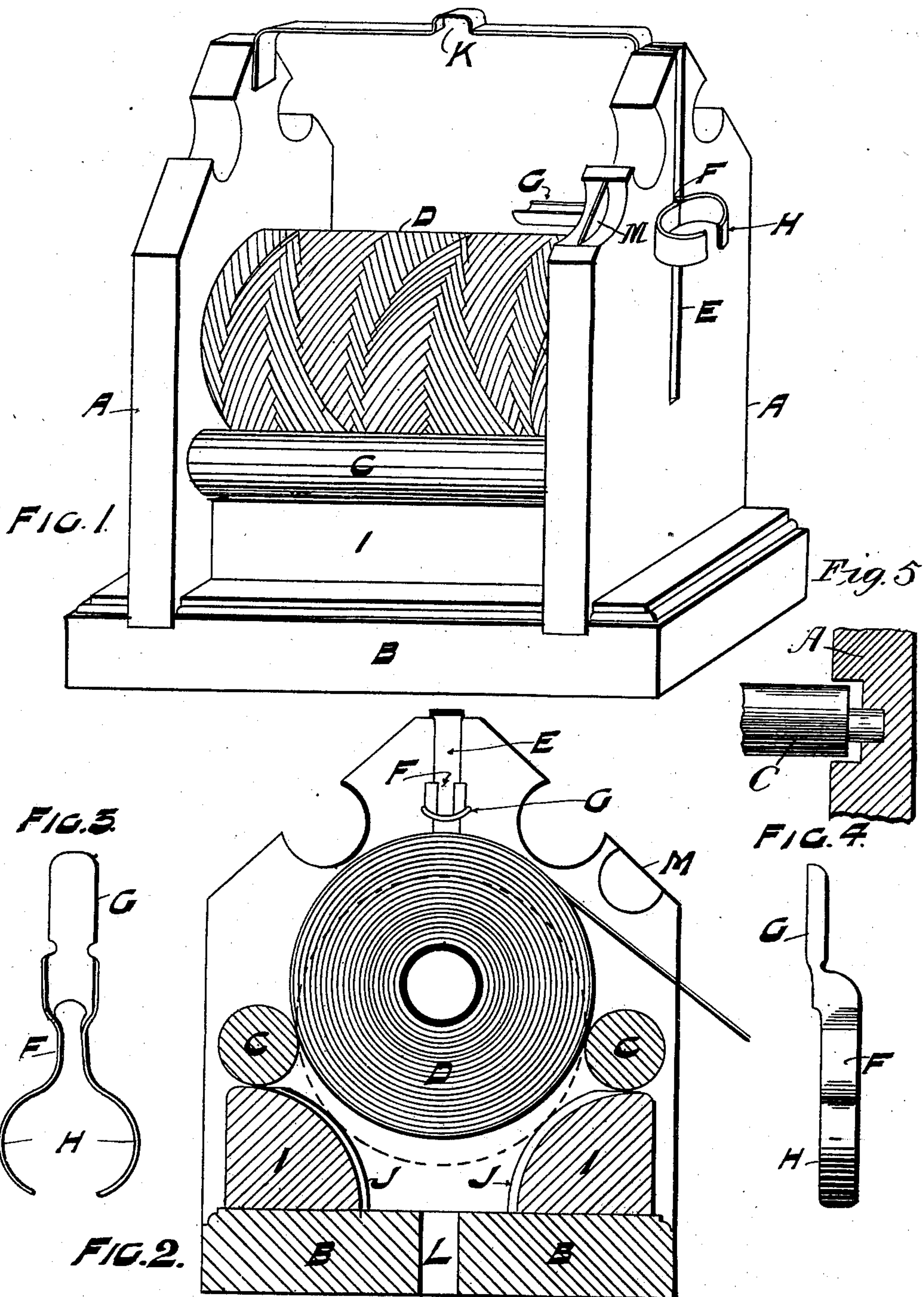
No. 666,182.

Patented Jan. 15, 1901.

R. CARDWELL.  
REEL HOLDER.

(Application filed Dec. 5, 1898.)

(No Model.)



WITNESSES:  
Geoffrey Andrews  
Arthur Gentry

INVENTOR:  
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BY HIS ATTORNEY: Walter Lunn



# UNITED STATES PATENT OFFICE.

ROBERT CARDWELL, OF MANCHESTER, ENGLAND.

## REEL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 666,182, dated January 15, 1901.

Application filed December 5, 1898. Serial No. 698,357. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT CARDWELL, a subject of the Queen of Great Britain and Ireland, residing at Manchester, England, have  
5 invented certain new and useful Improvements in Reel-Holders, of which the following is a specification.

My invention relates to a holder for reels which unwind externally, especially those  
10 known as of the "Leeson" wind, and has for one object to construct the holder in such a fashion that the reel can be drawn off to the last without getting entangled; without wedging with the sides, without the reel overrunning itself when suddenly pulled, and without the twine or string or other material, which  
15 has a tendency to slip off at the ends of the reel, requiring to be put right by hand, as in other types of holders, the construction of my  
20 improved reel allowing the reel to right itself.

A further object is to provide a holder suited to various sizes of reels, simple to make, and cheap; also, adapted for use upon a counter or to be suspended, and the string, &c., capable of being drawn out at any angle without  
25 dislodging the reel.

Upon the accompanying drawings, Figure 1 represents a front perspective view of my improved reel-holder made in wood. Fig. 2  
30 is a transverse vertical section. Figs. 3 and 4 are front and edge views, respectively, of an attachment for preventing the reel rising unduly in the holder. Fig. 5 illustrates a detail in section.

35 In accordance with my invention, A A are two ends or uprights secured to base B, common to both.

C is a pair of runners extending from one upright to the other upright and each end fitting loosely in openings or recesses in the uprights, so as to readily rotate.  
40

D is a reel of string unwinding externally and when at or about its full size resting centrally upon runners C, as illustrated.

45 In one upright or both I provide a slot E, and in such slot I fit the self-fixing adjustable device shown in Figs. 3 and 4, part F of which is designed to lie within the slot E and by its expansion to hold the part G above

and just clear of the reel, as illustrated, and thus prevent the reel unduly rising off the  
50 runners C. The said device is made in sheet or cast metal in the form shown in Figs. 3 and 4, the part G being in one piece with part F and arms H, which latter on being pressed together allow the device to be moved up or  
55 down the slot and which when let go cause part F to bind upon the sides of the slot and retain the device at any desired point.

To prevent the reel getting wedged between  
60 the runners C when its diameter is reduced to almost the distance between the runners C, I provide the rounded blocks or parts I with raised ribs J, with which the reel, just previous to any tendency to get wedged, comes  
65 in contact, as shown by the dotted lines in Fig. 2, and such contact is only such as to afford the requisite resistance to the too-free unwinding of the reel owing to its increased  
70 lightness, which was previously provided for by the bulk of the reel.

The reel is loosely placed in the holder without any axle, and consequently the accidental uncoiling of the twine, string, &c., at the ends  
75 of the reel does not cause the trouble that would occur with an axle, and the mere further pulling of the string is enough to put it straight again.

For carrying and suspending purposes I provide a handle K, which can be sprung into  
80 and out of position or be turned down for packing purposes. To also allow of the holder being suspended, I provide the opening L in base B, through which the contents of the reel may be drawn. For counter use I provide a  
85 cutter M.

Although I prefer parts I, I may employ runners and I may place two reels in one holder or two holders in one stand. In the cheaper and smaller sizes of holders I may also  
90 dispense with base B and rely on parts I to hold the uprights A together and form the base; but for general use I prefer the base B.

Having thus particularly described and ascertained the nature of my said invention,  
95 what I claim is—

1. In a reel-holder, the combination of a base, two uprights upon said base, one hav-

ing a slot, runners loosely mounted between  
said uprights, fixed rounded and ribbed blocks  
between said uprights and below said run-  
ners, and an adjustable device in the said slot  
5 in the upright for limiting the rise of the reel,  
as set forth.

2. In a reel-holder, the combination of up-  
rights, a pair of rounded blocks connecting

said uprights and a set of runners loosely  
mounted between said uprights, as set forth. 10

In witness whereof I have hereunto set my  
hand in the presence of two witnesses.

ROBERT CARDWELL.

Witnesses:

GEOFFRY ANDREWS,  
ARTHUR GREY.