F. EICHE.

CLOTHES LINE REEL.

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1,024,978.

Patented Apr. 30, 1912.

Fig. 1.

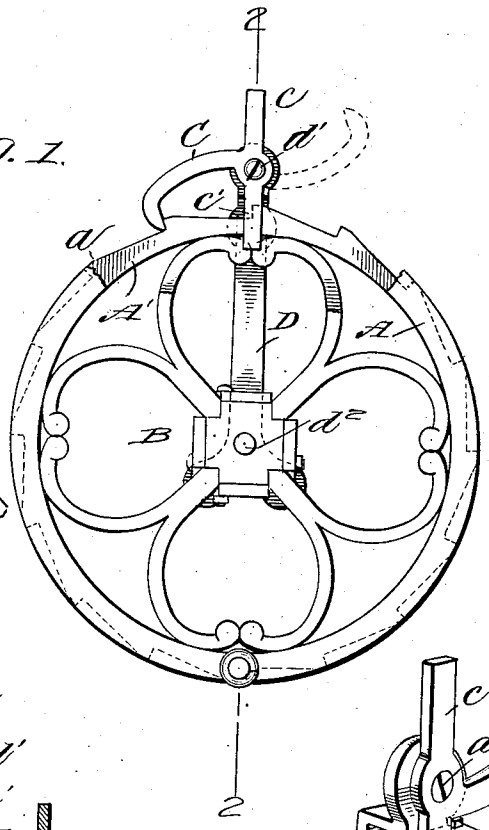
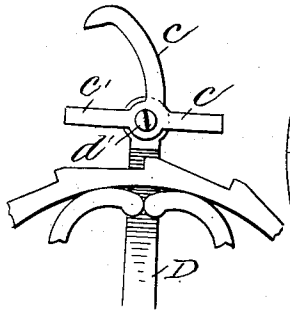


Fig. 4.



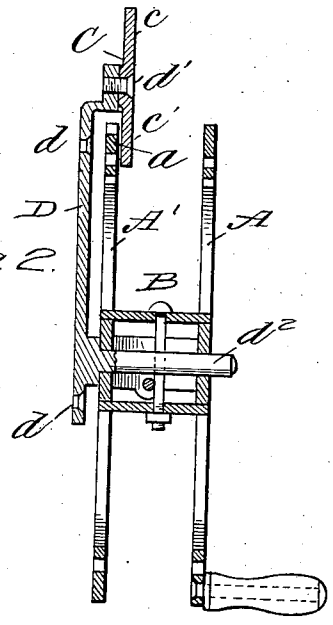


Fig. 2.

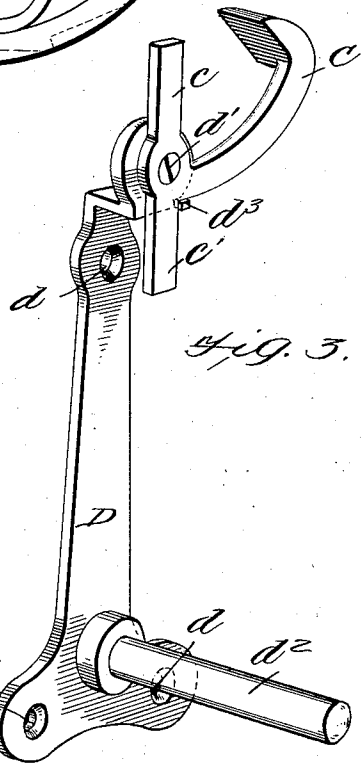


Fig. 3.

WITNESSES

H. C. Barry

Anna M. Hart

INVENTOR

Frederick Eiche

BY Munn & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

FREDERICK EICHE, OF LINCOLN, NEBRASKA.

CLOTHES-LINE REEL.

1,024,978. Specification of Letters Patent. Patented Apr. 30, 1912.

Application filed December 5, 1911. Serial No. 663,985.

To all whom it may concern:

Be it known that I, FREDERICK EICHE, a citizen of the United States, and a resident of Lincoln, in the county of Lancaster and State of Nebraska, have invented an Improvement in Clothes-Line Reels, of which the following is a specification.

My invention is an improvement in that class of clothes-line reels of which an example appears in my United States Patent, No. 973,266, dated October 18, 1910.

The improvement is embodied in a wall bracket provided with a journal, or spindle, serving as a support for the reel proper, and in the construction and arrangement of a pawl attachment of the ratchet reel, whereby such attachment normally holds the reel on the bracket journal, but may be adjusted to release the reel from the journal, or free the pawl from engagement with it.

In the accompanying drawing Figure 1 is a face view of my invention. Fig. 2 is a transverse vertical section on the line 2—2 of Fig. 1. Fig. 3 is a perspective view of the bracket with the reel journal or spindle and the pawl attachment, the latter being shown in the reversed position, or out of engagement with the reel ratchet. Fig. 4 is a detail view illustrating the middle or neutral position of the pawl with relation to the ratchet, which permits the reel proper to be applied to, or removed from, the bracket support.

As in my former invention, the reel proper comprises two parallel, circular parts A and A′ and a hollow connecting hub B which is composed of flat bars secured together by screw bolts, the part A′ having a ratchet rim *a* with which a pivoted pawl C normally engages.

In my former invention an axle passed through the hub of the reel and was journaled in the parallel skeleton arms of a wall bracket. I have greatly simplified the construction of the bracket, it being in this case formed of a single flat bar D having its base or lower end broadened and the same being secured to a wall or post by means of screws passing through holes *d*.

The upper end of the bracket D has a right-angular form and the base *c*, *c′*, of the pawl C is pivoted to it at *d′*. Such base comprises two alined arms which are practically at a right angle to the shank of the pawl proper. When the pawl is in the position indicated in Fig. 1, its hook engages the ratchet *a*, thus serving to hold the reel when a clothes-line is being wound on the same. In such position, one of the pawl arms *c′* projects downward and overlaps the ratchet rim *a* and thus serves to prevent detachment of the reel from the journal, or spindle, d^2 of the bracket. As shown in Fig. 2, this spindle is constructed integrally with the bracket and the reel is adapted to slide easily on and off the same. Again, when the pawl C is released from the ratchet, that is to say, thrown back to the position indicated by dotted lines in Fig. 1 and full lines in Fig. 3, the pawl arm *c′* projects upward and the arm *c* takes its place, that is to say, overlaps the ratchet rim *a* of the reel, and thus, as in the former case, it serves to prevent detachment of the reel from the journal or spindle d^2. A stop d^3—see Fig. 3—is provided on the head of the bracket for contact with the pawl when thrown to the reverse position indicated in said figure, and thus prevents it dropping too far, or, in other words, insures the desired engagement of the arm *c* with the ratchet rim. When it is desired to remove the reel proper from the bracket journal, or spindle, d^2, it is obviously only necessary to adjust the pawl to the position indicated in Fig. 4, in which the base *c*, *c′*, of the pawl is horizontal and, therefore, out of engagement with the ratchet rim, so as to offer no impediment to the removal of the reel. It is obvious that the same position of the pawl is required, when the reel is to be again applied to the bracket spindle.

I thus provide a very simple and cheap bracket- and journal-support for a reel, and the latter is held detachably on the spindle by the simple construction and arrangement of the pawl, which performs its usual function in connection with the ratchet.

What I claim is:—

The combination of a rotatable reel having a ratchet rim, with a support comprising

a bracket adapted to be secured to a wall and having a lateral spindle, on and off which the reel is adapted to slide, and a pawl pivoted to the bracket and having a transverse base portion comprising alined arms projecting in opposite directions from the pivot of the pawl, said arms being thus adapted for engagement with and disengagement from the ratchet rim, as and for the purpose specified.

FREDERICK EICHE.

Witnesses:
T. F. A. WILLIAMS,
J. A. BROWN.