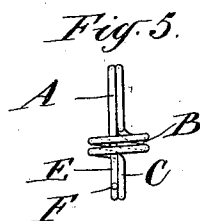
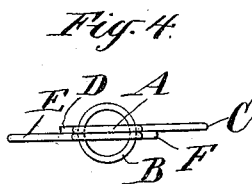
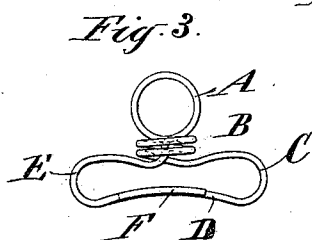
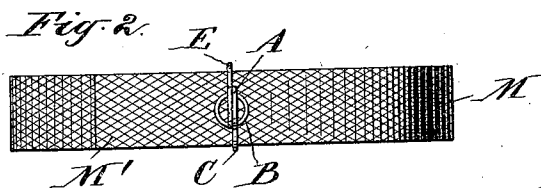
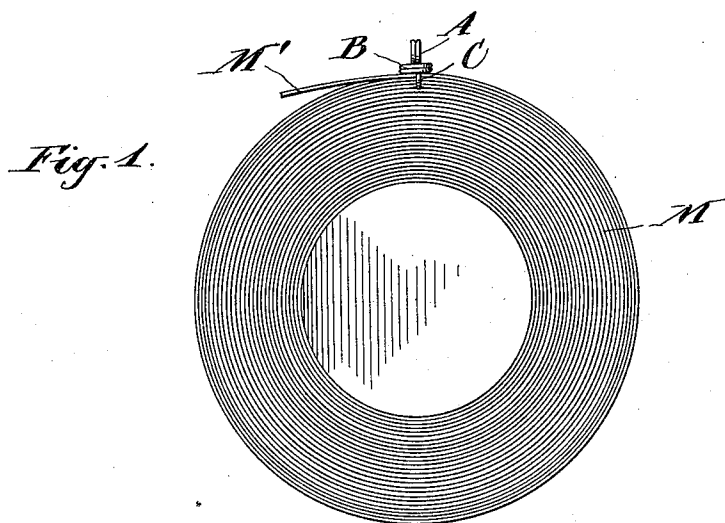


P. GARDNER.
HOLDING DEVICE FOR REELED MERCHANDISE.
APPLICATION FILED JAN. 9, 1911.

1,000,676.

Patented Aug. 15, 1911.



Witnesses:
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L. H. Walchusen.

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Charles R. Seale.

UNITED STATES PATENT OFFICE.

PERCY GARDNER, OF NEW YORK, N. Y., ASSIGNOR TO HOPE WEBBING COMPANY, OF PAWTUCKET, RHODE ISLAND, A CORPORATION OF RHODE ISLAND, AND GARDNER AND HIGHT COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

HOLDING DEVICE FOR REELED MERCHANDISE.

1,000,676.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed January 9, 1911. Serial No. 601,703.

To all whom it may concern:

Be it known that I, PERCY GARDNER, a citizen of the United States, residing in the city of New York, borough of Manhattan, in the county and State of New York, have invented a certain new and useful Improvement in Holding Devices for Reeled Merchandise, of which the following is a specification.

The invention relates to means for securing the loose end of a roll or coil of tape, ribbon, or analogous reeled goods, and the object of the invention is to provide a device of simple construction which may be easily applied to the coil and which will hold the loose end reliably while permitting the goods to be unwound or withdrawn as required from such free end without damage to the goods or loosening the remainder of the coil.

The invention consists in certain novel features and details of construction by which the above objects are attained, to be hereinafter described and pointed out in the claim.

The accompanying drawings form a part of this specification and show approved forms of the invention.

Figure 1 is a side view of a coil of tape or webbing equipped with a preferred form of the holder. Fig. 2 is a corresponding edge view. The remaining figures are on a larger scale and show the holders alone. Fig. 3 is a front view of the holder shown in the preceding figures. Fig. 4 is a plan or top view of the same. Fig. 5 is a corresponding side elevation.

Similar letters of reference indicate like parts in all the figures.

The improved holder comprises a loop or link preferably of smoothly polished wire inclosing a plurality of the outer convolutions and adapted to permit the latter to slide easily therein, thus allowing the goods to be withdrawn therethrough by unwinding at the free end while the loop maintains its engagement with the body of the coil.

In Figs. 1 to 5 inclusive, the holder is

composed of a single piece of spring wire bent and curled to produce a vertical ring A adapted to serve as a finger-piece or handle, with one end coiled to form a horizontal helical spring B and thence continued outwardly in the plane of the ring to form an open fold or bight C terminating in an arm D. The other end is passed through the spring B downwardly and thence outwardly to form a bight E opposite to and the counterpart of the bight C, and terminates in an arm F lying close to and parallel with the arm D.

The bights C and E with the arms D and F form a loop in which the outer layers or convolutions of the coil M are received, as in Fig. 1, and which is applied by forcibly separating the arms D and F sufficiently to permit its engagement. When thus engaged it prevents the unwinding but permits the convolutions to slide therethrough and thus allows the desired quantity or length to be drawn off for inspection or removal by pulling on the free end M¹ while the loop is held relatively stationary and the body of the coil correspondingly revolved. If an excess of goods is thus withdrawn, the surplusage may be rewound by simply holding the coil and sliding the loop along the convolutions in the direction of the free end which may be accomplished with but little contact of the fingers with the goods.

In order to induce the desired yielding friction to insure sufficient grip on the inclosed convolutions, and to apply such friction at or about the central line of the goods, the arms D and F are curved upwardly as shown and the inner portions of the bights C and E opposite to the arms are correspondingly depressed, thus grasping the convolutions along the center while leaving the edges free, the grip being yieldingly maintained by the resilience of the arms within and of the spring B on the outer face of the coil.

I claim:—

The improved holder described, composed

of a single piece of wire curved to form a vertical ring and horizontal members constituting a loop with the ends of the wire extended in opposite directions to form overlapping arms, the wire being crossed and coiled to form a horizontal helical spring intermediate said loop and ring.

In testimony that I claim the invention above set forth I affix my signature, in presence of two witnesses.

PERCY GARDNER.

Witnesses:

CHARLES R. SEARLE,
L. H. WILSHUSEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."