F. W. MACDONALD.

REEL PACKET.

APPLICATION FILED JUNE 10, 1912.

1,082,964.

Patented Dec. 30, 1913.

Fig. 1.

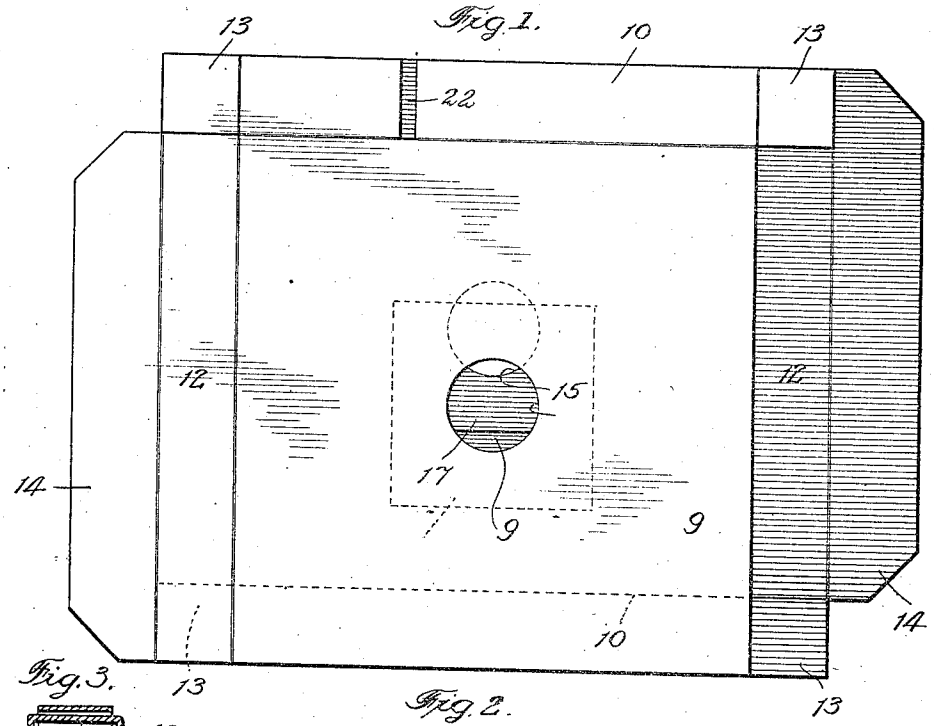


Fig. 3.

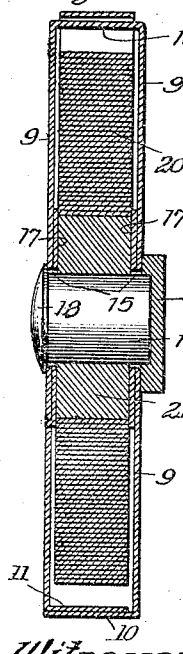
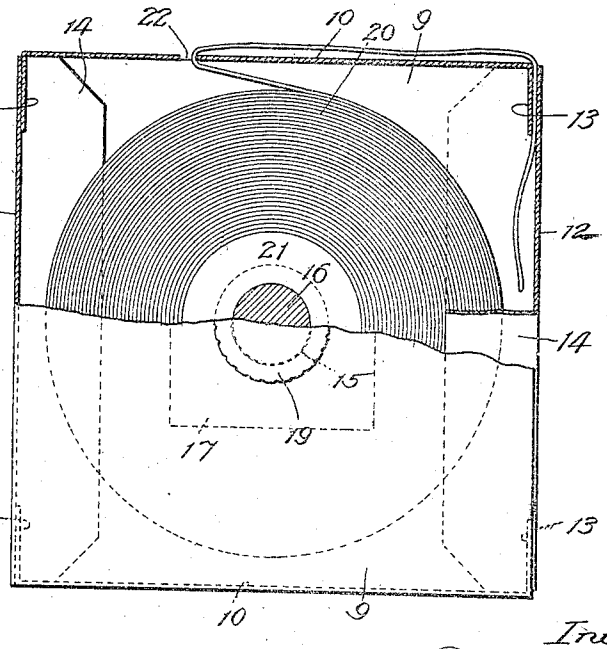


Fig. 2.



Witnesses:

E. E. Gaylord.

Chas. H. Burrell

Inventor:

Frederick W. Macdonald

By Pierce, Fisher & Clapp

Attys.

UNITED STATES PATENT OFFICE.

FREDERICK W. MACDONALD, OF CHICAGO, ILLINOIS.

REEL-PACKET.

1,082,964. Specification of Letters Patent. Patented Dec. 30, 1913.

Application filed June 10, 1912. Serial No. 702,846.

To all whom it may concern:

Be it known that I, FREDERICK W. MACDONALD, a citizen of the United States, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Reel-Packets, of which the following is a full, clear, and exact description.

The invention pertains to box-like packets for snugly inclosing rolls of elastic webbing or the like, the free end strip of the roll being drawn off in successive lengths by suitably mounting the roll within the inclosing box in manner free to turn, while the surplus remains entirely rolled.

The exact nature of the improvements will appear from the description and be thereafter more distinctly pointed out by the appended claims.

In the drawings, Figure 1 is a view of the improved folding reel box before the roll of webbing or the like is placed therein, Fig. 2 is an elevation thereof. Fig. 3 is a cross section.

The improved box is formed of heavy paper or cardboard, and is preferably constructed from a single blank. The box comprises opposite side walls 9 square in outline and which are connected by narrow, rectangular edge walls 10. One of the side walls is provided with a flap 11 (see Fig. 3) which extends over and is pasted to the inner face of one of the edge walls to thereby connect the edges of the blank. The side walls 9 are thus connected together with a space between them equal to the width of the edge walls 10. The space between the side walls is preferably, but slightly greater than the width of the roll of tape for which the box is designed, so that the roll will snugly fit within the box.

At opposite ends, the side walls are provided with extensions forming foldable flaps 12 and smaller flaps 13 are extensions of the edge walls 10. When these flaps are folded to inclose the roll of webbing or the like in the box, the wide flaps 12 rest upon the narrow flaps 13. The wide flaps are provided with foldable extensions 14 which are adapted to be inserted between the opposite side wall of the box and the narrow flaps 13 to hold the folding flaps in closed position.

One, at least, of the side walls 9 and, in the form shown, each side wall is provided with a central circular opening 15 for receiving a short transverse turning member or shaft 16. Preferably, as shown, the portions of the side walls which extend about the shaft are reinforced by stiffening cardboard pieces 17 pasted to the inner faces thereof about the openings 15. At one end, the shaft or turning member 16 is formed with an integral flange which overlaps and snugly engages the outer face of the box. A flange 19 is recessed on its inner face to fit over the opposite end of the shaft and is cemented or otherwise suitably secured thereto with its inner face overlapping and engaging the outer face of the side wall of the box. This flange is preferably knurled at its edge to form a turning button by which the turning member can be rotated to wind up the roll of webbing or tape within the box.

The roll of webbing or tape 20 is usually wound on a hollow hub 21 of wood or the like which fits snugly between the side walls of the box and the bore of which is adapted to aline with the openings 15 in the sides of the box to receive the inserted shaft or turning member 16. The shaft or turning member fits snugly within the hub and, if necessary, may be glued or otherwise secured thereto to impart rotary movement to it and the roll of webbing thereon. One of the edge walls 10 of the box in the form shown is provided with a narrow transverse opening or slot 22 through which the end portion of the webbing or tape is extended. This portion is preferably held in snug engagement against the upper face of the edge wall by inserting its extreme end between the flaps 12 and 13 at one side of the box, as shown in Fig. 2.

The improved reel boxes may be shipped to manufacturers in the knocked-down condition shown in Fig. 1. The roll of webbing, tape or the like wound upon the hub 21 is then inserted edgewise between the side walls of the box to bring the bore of the hub in line or register with the central openings 15 thereof. The shaft or turning member is then inserted through the opening 15 into the bore of the hub and is suitably secured to the latter. In the form shown, the shaft or turning member is held in place by attaching the flange or turning button thereto. As already stated, the ends of the hub 21 and the flanges 18 and 19 of the turn-

ing member snugly engage the inner and outer faces, respectively, of the side walls of the box, so that the turning member serves to securely and rotatably sustain the roll of webbing in central position within the box, until the entire roll has been dispensed. For narrow widths of webbing, which are apt to loosen and become snarled on the hub, it will be seen that the snug relation of the storage box with its inclosing faces brought closely adjacent to the opposite edges of the webbing serves to keep the roll fairly taut and in readiness to be unrolled, as desired. If, at any time, more material is unwound than is desired, it can be readily rewound into the box by turning the button 19. The reel boxes completely inclose the individual rolls of material, so that they are not exposed to moisture and dust and, for this reason, are particularly adapted for use with elastic webbing which readily deteriorates if exposed to moisture.

It is obvious that changes may be made in the details set forth without departure from the essentials of the invention as defined in the claims.

I claim as my invention:—

1. A reel packet for dispensing webbing or the like comprising a narrow storage box having opposite, permanently connected side walls and an opening at its edge to permit the insertion of a roll of webbing or the like edgewise between said side walls, one of said side walls having a central opening therein, a hub whereon the roll of material is wound, said hub being larger than said central opening and having end faces engaging said opposite side walls, and a turning member inserted through said central opening and into said hub and supported in said box to thereby rotatably sustain the roll of webbing in position within the box, substantially as described.

2. A reel packet for displaying and dispensing webbing or the like, comprising a narrow storage box having opposite, permanently connected, rectangular side walls and an opening at its edge to permit the insertion of a roll of material edgewise between said side walls, one of said side walls having a central opening therein, a hub whereon the roll of material is wound having end faces engaging said side walls and a central bore adapted to register with said central opening, and a turning member inserted through said central opening and into the bore of said hub and supported by the box to thereby rotatably sustain the roll of material in position within said box, said turning member having a flange overlapping and in snug engagement with the outer face of the box.

3. A reel packet for displaying and dispensing webbing or the like, comprising a narrow collapsible storage box having opposite rectangular side walls and edge walls permanently connecting said side walls, said edge walls having an opening provided with a closure to permit the insertion of a roll of material edgewise between said side walls, one of said side walls having a central opening therein, a hub whereon the roll of material is wound having a central bore adapted to register with said central opening, and a turning member inserted through said central opening and into the bore of said hub and supported by the box thereby to rotatably sustain the roll of material in position within the box, substantially as described.

FREDERICK W. MACDONALD.

Witnesses:

HENRY L. CLAPP,

KATHARINE GERLACH.