

Aug. 13, 1940.

C. GROSS

2,211,461

NARROW FABRIC HOLDER

Filed Aug. 31, 1939

2 Sheets-Sheet 1

Fig. 1.

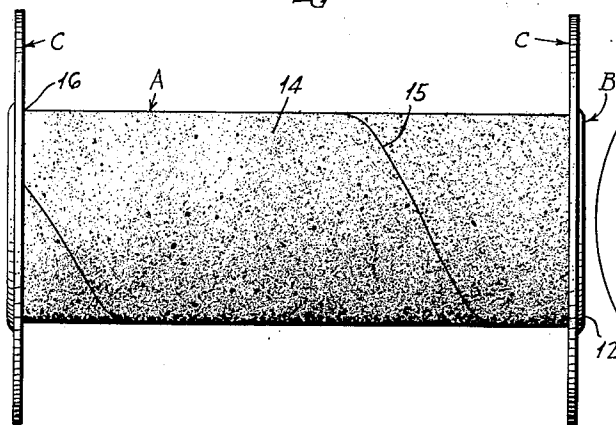


Fig. 2.

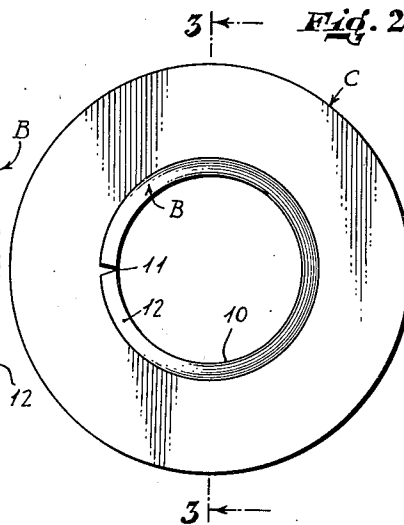


Fig. 3.

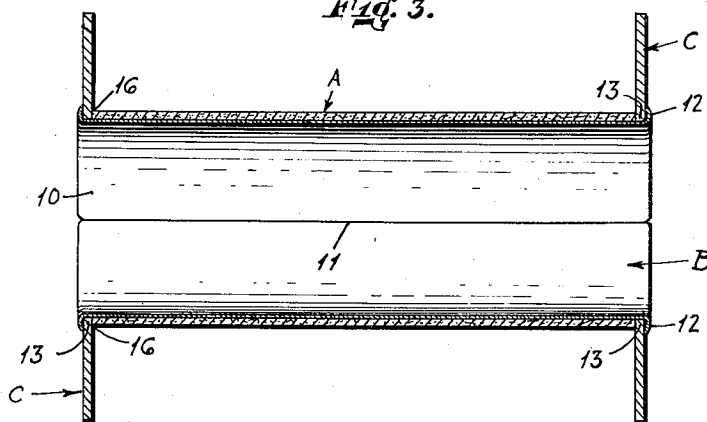
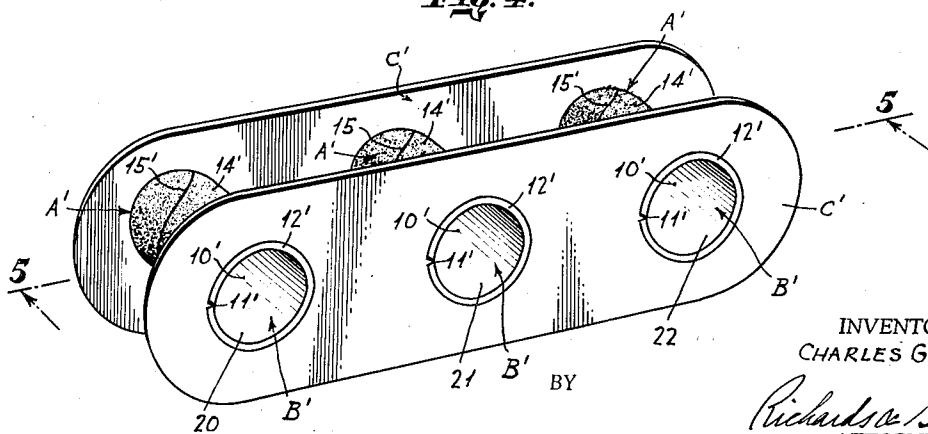


Fig. 4.



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Fig. 5

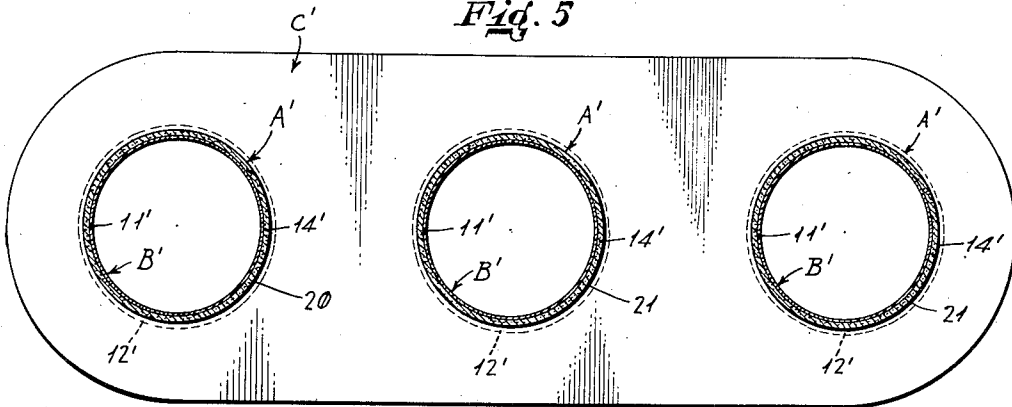


Fig. 6.

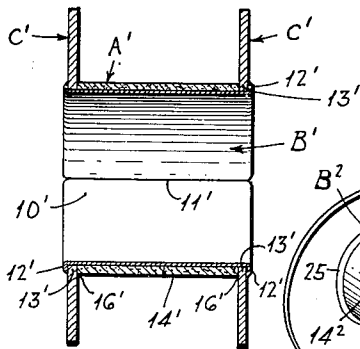


Fig. 7.

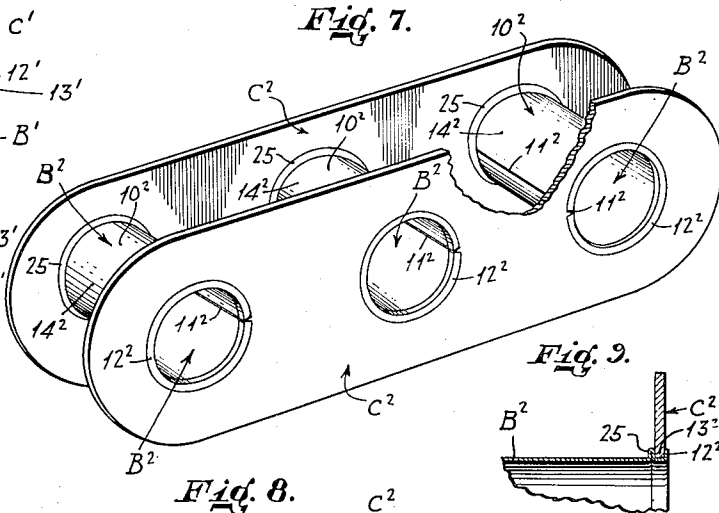


Fig. 8.

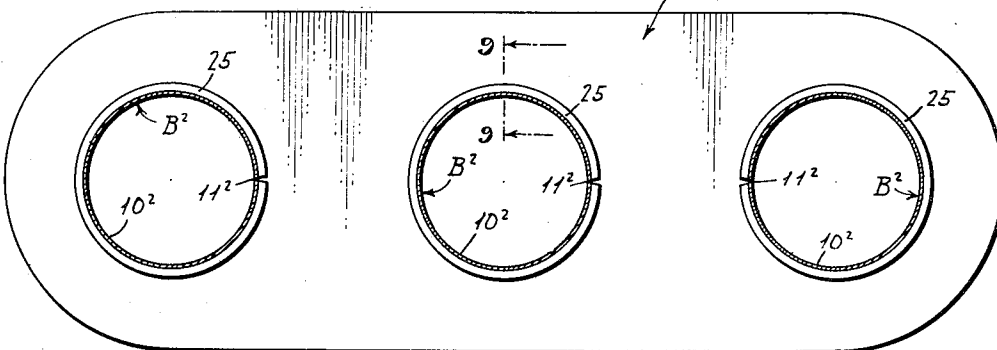
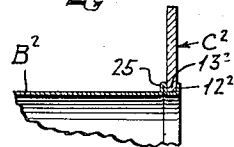


Fig. 9.



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2,211,461

NARROW FABRIC HOLDER

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Application August 31, 1939, Serial No. 292,813

2 Claims. (Cl. 242-70)

The present invention relates to narrow fabrics holders and particularly relates to holders for ribbons, braids, tapes and similar narrow fabrics.

It is among the objects of the present invention to provide an improved holder for narrow fabrics which may be inexpensively manufactured and yet will be durable and present an attractive appearance and which will be devoid of wooden supports or spacer members tending to catch the ribbon or give an undesirable appearance to the reel.

In accomplishing the above objects it has been found most satisfactory to form the ribbon reel of side flanges of cardboard or paper material which side flanges may be spaced by a paper sleeve and held externally on said paper sleeve by a thin metal tube extending therethrough and flanged over on to said paper side flanges.

The paper tubing which may be utilized as a spacer is preferably of spirally wound stock and is desirably thicker than the end flanges.

The ribbon or narrow fabric wound upon such a spool will only be in contact with paper and the paper tubing at the same time will support the flanges and correctly space them.

Moreover, the paper tubing will prevent bulging of, and cutting of the ribbon or narrow fabric by the edge of the metal tubing or rounded metal plate.

If desired, several of these metal tube and paper tube combinations may be positioned side by side in connection with elongated side flanges on a ribbon or narrow fabric bolt.

Where paper spacer tubes are not utilized to enclose the metal tubes, extra flanges or lips would have to be provided on said metal tubes to space the flanges and the edges of the metal tubes would have to be turned in such a way as not to contact or cut the ribbon.

Referring to the drawings which illustrate several of the various possible embodiments of the present invention, but to which the present invention is by no means restricted since the drawings are merely by way of illustration and not by way of limitation.

Figure 1 is a side view of a spool or ribbon holder according to the present invention.

Figure 2 is an end view of the spool or holder of Figure 1.

Figure 3 is a transverse sectional view on the line 3-3 of Figure 2.

Figures 4 to 6 show an alternative embodiment, Figure 4 being a top perspective view; Figure 5 being a side sectional view on the line 5-5 of

Figure 4 and Figure 6 being a transverse sectional view through one of the tubes of Figure 5.

Figures 7 to 9 show another embodiment, Figure 7 being a perspective view with one of the flanges partly broken away, Figure 8 being an elevational view and Figure 9 being a fragmentary sectional view on the line 9-9 of Figure 8.

Referring to Figures 1 to 3, the spool is composed of a spacer A to which the present invention is particularly directed, a sheet metal liner B and side flanges C.

The liner B is a sheet of metal 10 having abutting edges 11 with the ends of the cylinder 10 being turned over as at 12 upon the periphery 13 of the flanges C.

The spacer A, as shown in Figure 1, is formed of relatively heavy cardboard having the spirally turned stock 14 with the abutting edges 15, said cylinder A abutting the flanges as indicated at 16.

It will be noted that the tube A is as thick as and somewhat thicker than the side flanges C and will support said side flanges C, against the turned over portions 12 which hold said flanges C tightly upon the tube A.

The ribbon, when wound upon the spool of Figures 1 to 3 will not come in contact with the metal and there will be no danger that the bulging edges at 11 will tear or cut the ribbon.

In respect to the embodiment of Figures 4 and 5, the side flanges C' are provided with three openings 20, 21 and 22, each receiving a metal tube B' with turned over metal edges 12'. The metal tubes B' may be covered with the cardboard tubes A'.

In this construction, ribbon may be wound longitudinally over the three cylinders A.

In the embodiment of Figures 7 to 9, the paper tube is eliminated and each of the metal tubes B² is provided with an enlargement 25 to hold the flanges C² in position.

It will be noted that the splits 11² are positioned inwardly so that they will not contact with the ribbon wound upon the outside faces of the tubes B².

It is thus apparent the applicant has provided an inexpensive, durable spool construction or holder for ribbon and other narrow fabrics or braids which may be readily utilized without difficulty.

It is apparent the specific illustrations shown above have been given by way of illustration and not by way of limitation and that the structures above described are subject to wide variation and modifications without departing from the scope or intent of the invention, all of which variations

and modifications are to be included within the scope of the present invention.

What is claimed is:

1. A ribbon or narrow fabric reel or spool having side flanges and a plurality of sheet metal cylindrical cores positioned side by side, the longitudinal axes of which cores lie in a common plane extending through the middle of the reel or spool and said cores holding said flanges together, each core consisting of a sheet of metal bent to form a cylinder with the edges abutting along the side of the cylinder between the flanges, said edges being positioned so as not to contact the narrow fabric wound thereon.
2. A ribbon or narrow fabric reel or spool having side flanges and a plurality of sheet metal cylindrical cores positioned side by side, the longitudinal axes of which cores lie in a common plane extending through the middle of the reel or spool and said cores holding said flanges together, each core consisting of a sheet of metal bent to form a cylinder with the edges abutting along the side of the cylinder between the flanges, said edges being positioned so as not to contact the narrow fabric wound thereon, said cores being each provided with a lip adjacent the inside face of the flanges to hold the flanges apart, said abutting edges lying substantially in said plane and being positioned removed from the outside faces of said cores.

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