

R. H. HUNT & A. C. LA MAY.
REEL FOR RUCHINGS AND THE LIKE.

APPLICATION FILED MAY 5, 1909.

950,851.

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Fig. 1.

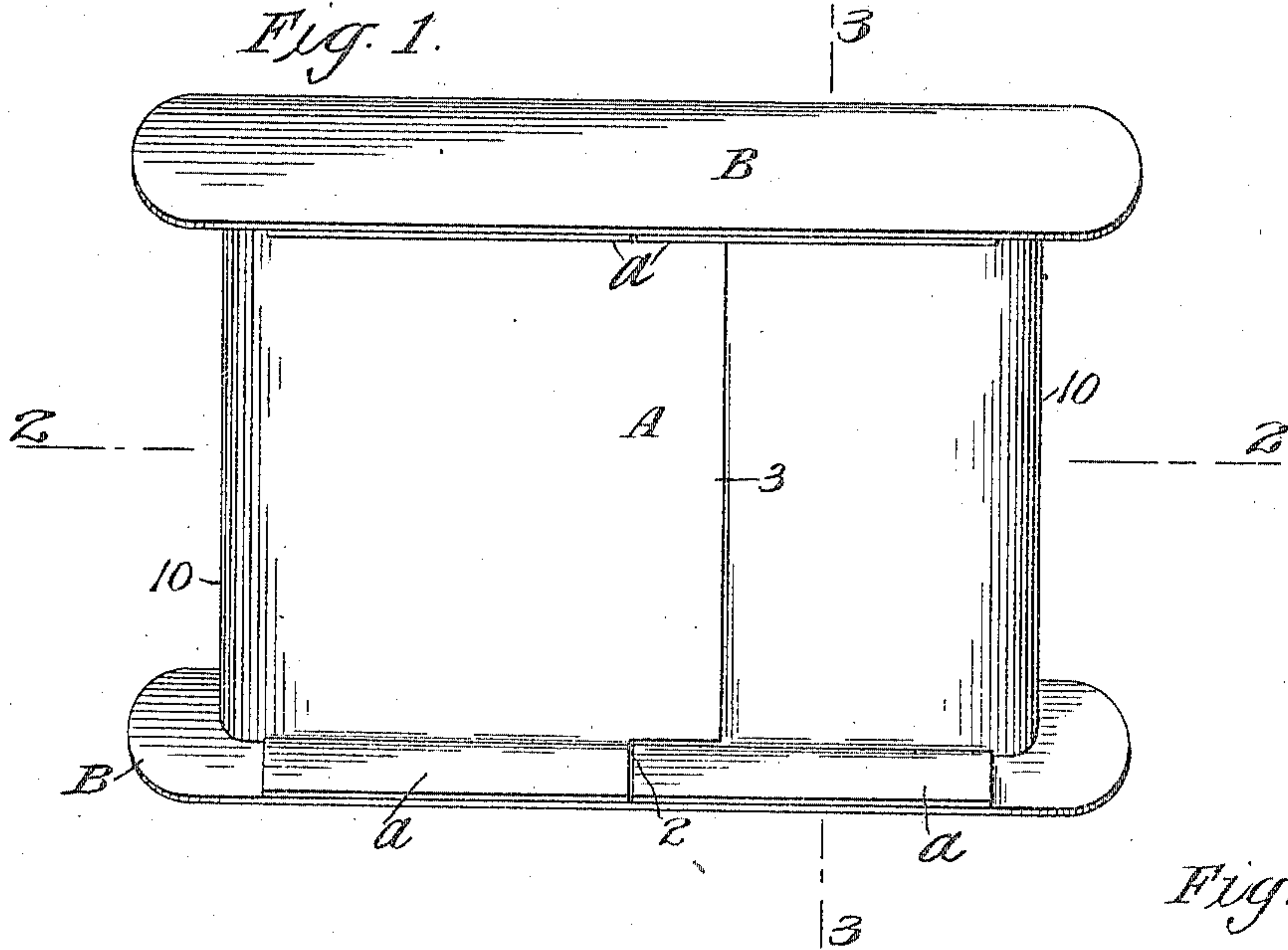


Fig. 2.

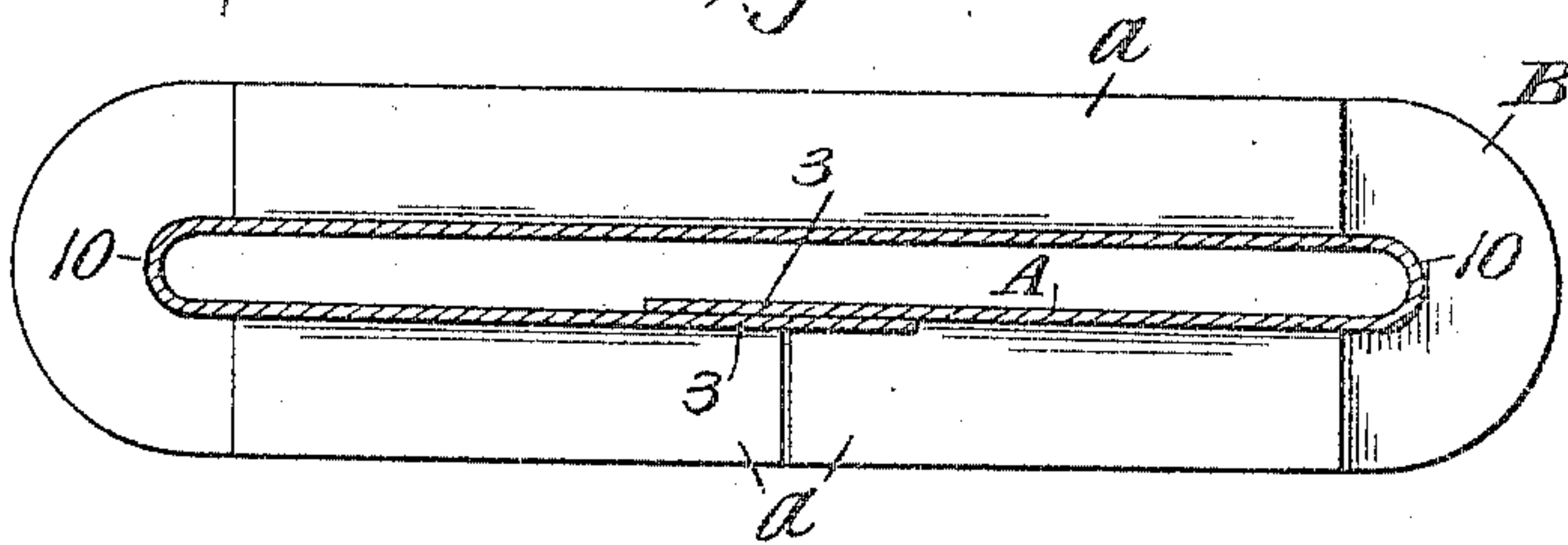


Fig. 3.

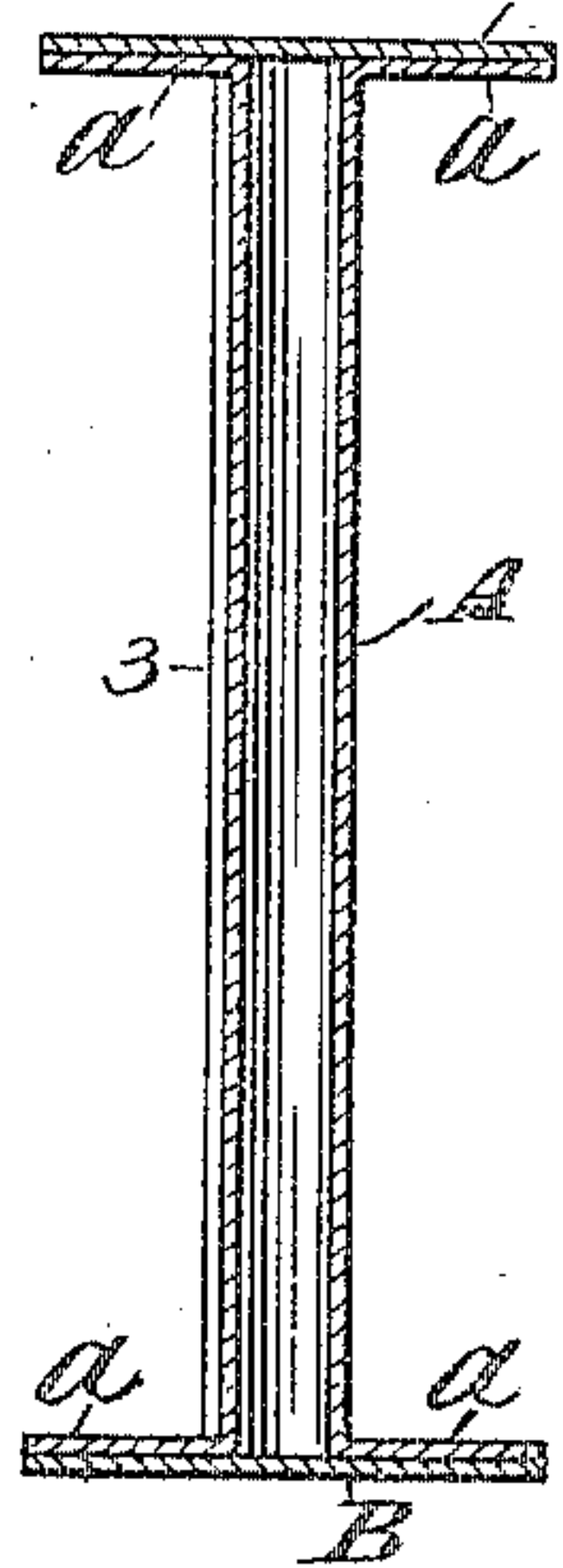
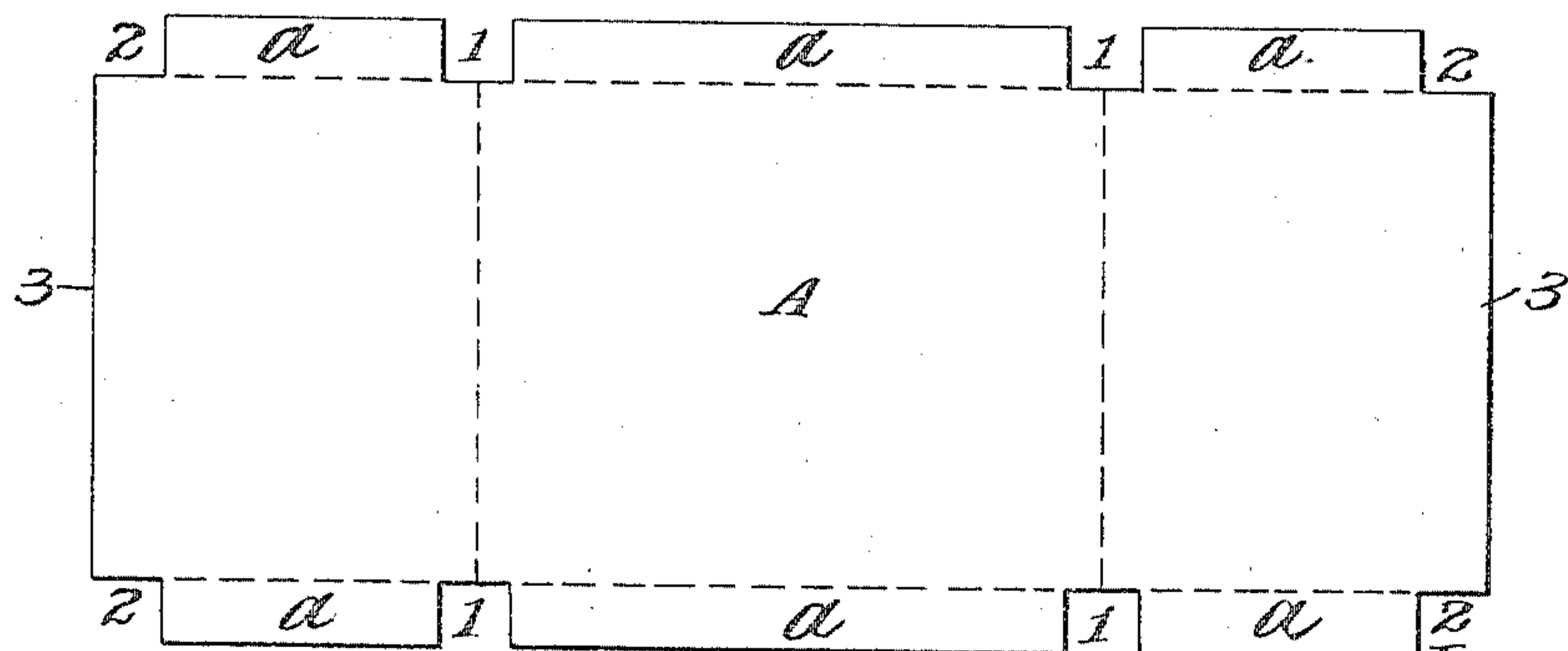


Fig. 4.



Witnesses:
W. H. Kennedy
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by their Attys:
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UNITED STATES PATENT OFFICE.

RICHARD H. HUNT, OF NEW YORK, AND ARTHUR C. LA MAY, OF ROCHESTER, NEW YORK, ASSIGNORS OF ONE-THIRD TO EDMUND J. HASSETT, ONE-THIRD TO EDWIN E. DARRAGH, AND ONE-THIRD TO SAID RICHARD H. HUNT, ALL OF NEW YORK, N. Y.

REEL FOR RUCHINGS AND THE LIKE.

950,851.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, RICHARD H. HUNT and ARTHUR C. LA MAY, citizens of the United States, residing, respectively, at New York city, county of New York, and State of New York, and Rochester, county of Monroe, State of New York, have invented certain new and useful Improvements in Reels for Ruchings and the Like, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

This invention relates to an improved reel intended especially for packaging light fabrics, such as ruchings, laces, veils and embroideries, but which may be used also for other material, such as ribbons, elastic, braids, etc., which are usually wound on and sold from a reel.

The reels now in common use for this purpose consist of cardboard sides tacked to wooden cross rods with the cross rods covered by paper to form the body of the reel. The objections to reels of this form are well known, and efforts have been made to provide a reel that would avoid these objections, but so far without success.

The object of the present invention is to provide an improved reel for use in place of those above described, and especially to provide a simple and cheap reel capable of rapid manufacture by machine, and which shall be light and at the same time rigid and strong and present no parts or surfaces liable to tear delicate fabrics.

In our improved reel, the body is formed of cardboard bent to form a hollow body with integral flanges at opposite sides of the body to which are secured, as by gluing or pasting, separate pieces of cardboard forming the sides of the reel.

For a full understanding of the invention a detailed description of a reel of the preferred form embodying the same will now be given in connection with the accompanying drawings forming a part of this specification and the features forming the invention then specifically pointed out in the claims.

In the drawings:—Figure 1 is a perspective view of the reel. Fig. 2 is a longitudinal section on the line 2 of Fig. 1. Fig. 3 is a cross section on the line 3 of Fig. 1. Fig. 4 is a face view of the blank from which

the body of the reel shown in Figs. 1 to 3 is made.

Referring to the drawings A is the body of the reel, which in the preferred form shown is formed from a single sheet of cardboard or similar material of sufficient thickness and rigidity to give the strength desired when bent to the form of a flat tube with rounded edges 10, as shown. Integral with the body A are the side flanges *a* extending in opposite directions at right angles to the body, and to these flanges *a* are secured by gluing or pasting the side pieces B formed of cardboard or similar material.

The single piece body A shown is best made from a blank cut as shown in Fig. 4, the lines of bending to form the body A being shown in dotted lines. The blank is notched on opposite sides at 1 to form the flanges *a* and provide for bending the sheet to form the reel body with the rounded edges 10, and is notched at 2 at the ends of the blank so as to form the flaps 3 at the ends of the blank extending beyond the flange portions *a* so as to overlap when the body is formed, as shown in Fig. 2, and be secured together by gluing or pasting to hold the reel body A in form. This flap construction provides a continuous inner surface of the flanges *a* on both side pieces of the reel, and is preferable to overlapping the meeting ends of the flanges, although not essential to the invention.

It will be seen that the reel is rigid and strong although made of very light material, the integral flanges on the body A secured to the side pieces B stiffening the whole construction and strengthening the side pieces B so that material heavier than that of the body A is not required for the side pieces, although heavier material may be used for the side pieces with a very light body, if desired, and that the reel is very simple and cheap of manufacture, the construction being well adapted for machine work.

The strengthening of the side pieces by the flanges *a* so that the same stock may be used throughout is important in some cases, not only for cheapness, but also because it enables exactly the same color throughout the reel to be readily secured, which is difficult when stock of two or more thicknesses is used. The construction is such that there

is no liability of tearing the most delicate fabrics by catching on projections, and all objections to the use of wood and tacks in such reels are avoided.

5 The reel may readily be made in all the various sizes desired, such variation in size involving no change in the form of the reel, or in the form of the machine for producing it, but only changes or adjustment in size.

10 What we claim is:

1. A reel for ruchings and the like of that class in which the thickness of the body is small relatively to the dimension of the reel from edge to edge in the direction in
15 which the material is wound on the reel, consisting of a body formed of cardboard or similar material bent to form a flat tube with integral flanges on both walls of the tube extending at right angles to the tube
20 at both sides of the reel, and side pieces of cardboard or similar material secured to the flanges.

2. A reel for ruchings and the like, con-

sisting of the body A of cardboard or similar material forming a flat tube with
rounded edges 10 and flanges *a* on both walls 25 of the tube at each side of the reel, and side pieces B of cardboard or similar material secured to the flanges, said flanges *a* extending substantially the full depth of the side
pieces and approximately from edge to edge 30 of the reel body.

In testimony whereof, we have hereunto set our hands in the presence of two subscribing witnesses this 23d day of April 35 1909.

RICHARD H. HUNT.

ARTHUR C. LA MAY.

Witnesses as to signature of Richard H. Hunt:

J. A. GRAVES,

C. J. SAVAGE.

Witnesses as to signature of Arthur C. La May:

WILLARD RICH,

HAROLD H. SIMMS.