J. J. COLLINS.

REINFORCED TAG.

APPLICATION FILED JAN. 20, 1919.

1,355,940. Patented Oct. 19, 1920.

FIG. 1

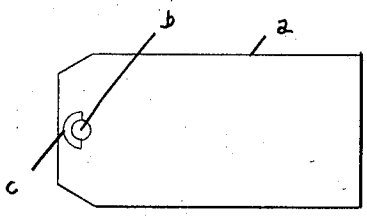


FIG. 2.

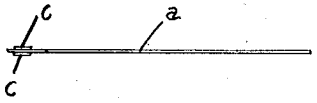


FIG. 3.

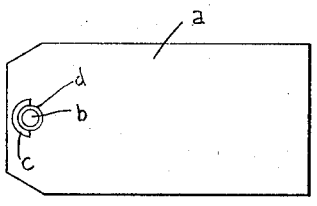
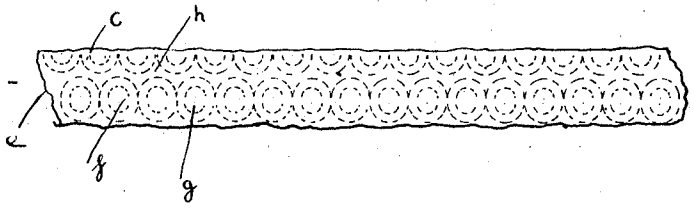


FIG. 4.



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REINFORCED TAG.

1,355,940. Specification of Letters Patent. Patented Oct. 19, 1920.

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To all whom it may concern:

Be it known that I, JAMES JOHN COLLINS, a citizen of the United States of America, and resident of Springfield, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Reinforced Tags, of which the following is a full, clear, and exact description.

This invention relates to improvements in tags for shipping goods and the like and embraces a simplified reinforcement which will permit of the more economical manufacture of the tag and the conservation of the paper stock used in the manufacture of the tag.

The commercial tags now in general use are reinforced by means of washers or rings made of Manila tag board or the like which is secured around the string or wire opening in the end of the tag. As a matter of fact only one half, and in fact less than one half of said rings or washers is engaged by the string or wire so as to prevent the string or wire from pulling through the tag. The inner half of said ring or washer is never directly engaged by the string or wire and represents a clear waste of paper stock.

Moreover, in cutting out the rings or washers a circular piece of waste or scrap is left which is difficult to clear from the machine.

The object of the present invention is to provide a reinforcement consisting of a half of a ring or washer applied to the outer portion of the tag and arranged to receive the pull of the string or wire, and to provide a method of manufacture wherein the half rings or half washers will be stamped in such a way that all of the waste portions of a series of said half washers or half rings will be connected together, thus permitting of strip clearing of said waste from the machine.

With the above and other objects in view the invention consists in certain new and useful constructions, combinations, and arrangements of parts, clearly described in the following specification and fully illustrated in the accompanying drawings, in which:

Figure 1 is a plan view of the invention.

Fig. 2 is an edge view thereof.

Fig. 3 is a plan view of a modified form.

Fig. 4 is a fragmentary plan view of a strip showing the manner in which the half rings or washers are cut out from the sheet stock.

Referring to the accompanying drawings *a* designates the body of the tag which is formed with the usual opening or hole *b* to receive the attaching cord or wire. A reinforcing element *c* is secured by a suitable adhesive to opposite sides of the tag *a* around the opening *b*. This reinforcing element is in the form of a half washer or half ring and incloses one half of the opening *b* and is disposed near the outer portion of said opening so as to receive the pull of the cord or wire employed for attaching the tag to the article to be numbered or listed. In Fig. 3 I show an eyelet *d* for reinforcing the hole *b* in addition to the half ring or half washer *c*.

By the use of the half washers or half rings one half of the stock employed to reinforce the tag is conserved while the process of manufacturing the tags is simplified. In Fig. 4 I show the manner in which the half washers or half rings can be cut from a sheet or strip of paper stock. Referring to this figure *e* designates the sheet or strip of paper stock from which the half washers *c* are to be cut. These half washers or half rings are cut from the stock in such manner that the ends of said half rings will confront each other and be slightly spaced apart from each other to provide a continuous waste strip *f*, which will join the semi-circular portions *g* to each other. The convex sides of the washers or rings are arranged in confronting and staggered relation and spaced apart to provide a waste strip *h*. In this way all waste formed by the cutting of the half washers or rings from the sheet stock will be cleared from the cutting mechanism in strip form, thus preventing congestion of the mechanism and permitting of fast and continuous operation.

Having described my invention I claim:

The method of reinforcing tags consisting in forming a series of half washers from sheet stock with the ends of said half washers disposed in confronting relation and spaced apart from each other to provide a waste strip connecting all of the semi-circular portions of said half washers, and applying said half washers to reinforce the string openings of tags from said strip.

Signed by me at Springfield, Mass.

JAMES JOHN COLLINS.