A. D. CONVERSE.

DRUM.

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928,741.

Patented July 20, 1909.

Fig. 1.

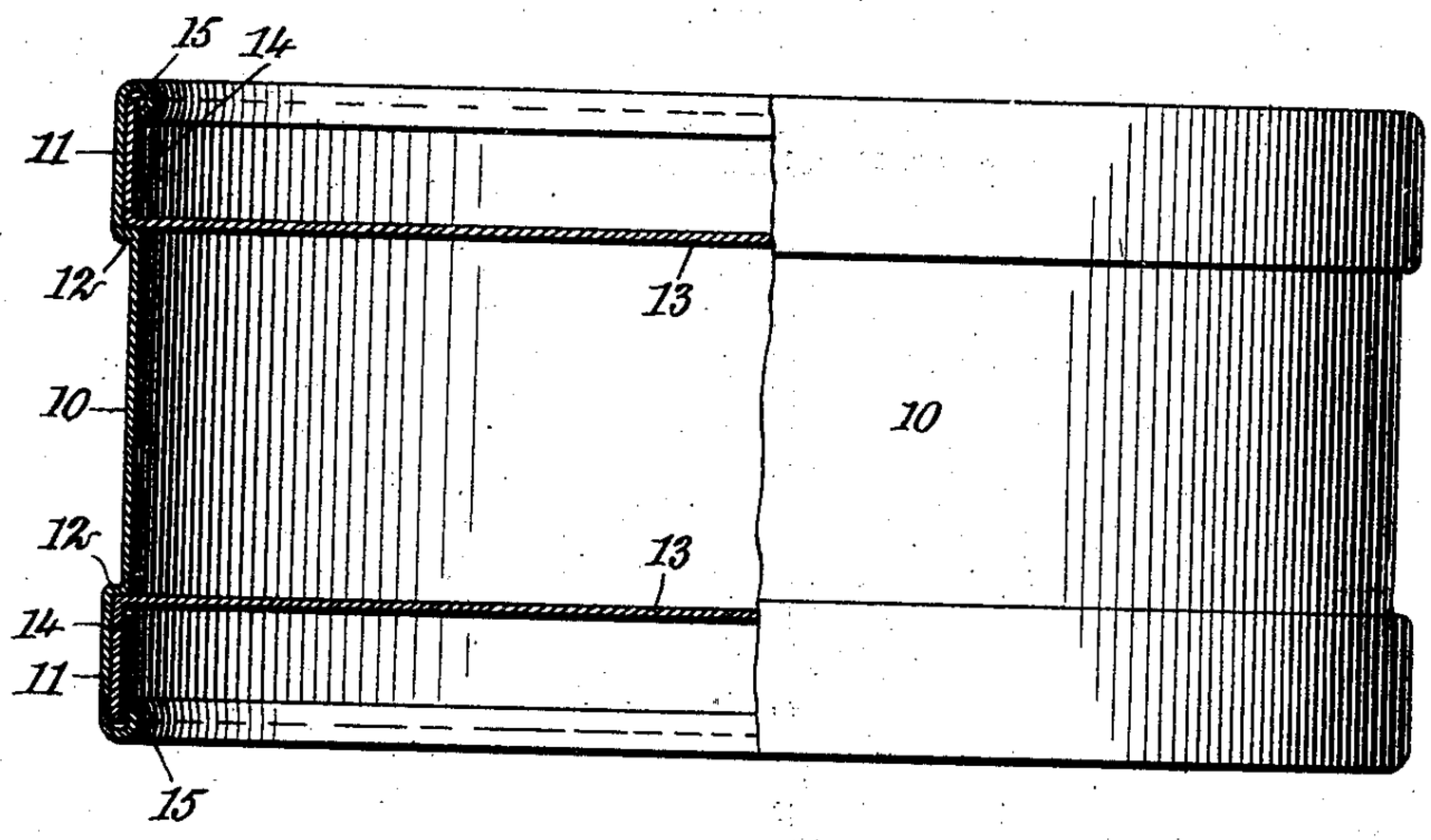
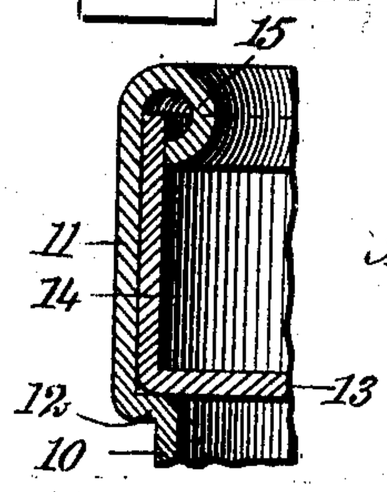


Fig. 2.



WITNESSES

L. Almquist.

C. W. Fairbanks

INVENTOR

Atherton Darling Converse

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

ATHERTON DARLING CONVERSE, OF WINCHENDON, MASSACHUSETTS.

DRUM.

No. 928,741. Specification of Letters Patent. Patented July 20, 1909.

Application filed March 31, 1909. Serial No. 486,868.

To all whom it may concern:

Be it known that I, ATHERTON DARLING CONVERSE, a citizen of the United States, and a resident of Winchendon, in the county of Worcester and State of Massachusetts, have invented a new and Improved Drum, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in toy drums, and more particularly to improvements in the construction of the head and the means for securing the same in place.

The object of the invention is to simplify the construction by forming the hoop sections integral with the body and the head, and thus avoid the necessity for employing separate fastening means for the head.

In my improved construction, the head is formed with a hoop section at one end of greater diameter than the body of the drum, and the head is also provided with a hoop section which engages with the hoop section of the body and is locked thereto to hold the drum in position.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures, and in which—

Figure 1 is a side elevation of a drum constructed in accordance with my invention, a portion thereof being broken away; and Fig. 2 is an enlarged section through the hoop sections and head-securing means.

In the specific form of drum illustrated, I employ a body 10 substantially cylindrical in form and constructed of sheet metal or other suitable material. The body at each end is enlarged to form two hoop sections 11, 11 of somewhat greater diameter than the remainder of the body, each enlarged end being separated from the body by an outwardly-extending connecting portion 12 constituting a shoulder. As the enlarged end portion 11 is of only slightly greater diameter than the body, it gives the appearance of a hoop encircling the body. The drum is provided with two heads 13, 13, each preferably formed of sheet metal and disposed within the body adjacent the corresponding enlarged end. The peripheral portion of the head is bent outwardly to form a substantially cylindrical flange 14 constituting a second hoop section and of such diameter as to fit closely within the enlarged end of the drum. Each head 13 rests directly upon its corresponding shoulder 12, and the outwardly-extending flange 14 which constitutes the inner drum section, extends outwardly within the enlarged end and serves to reinforce and strengthen the latter. The outer edge of the enlarged end 11 is curved inwardly upon itself to form a flange or bead 15, which engages with the inner surface of the flange 14 to conceal the free edge of the latter and prevent displacement of the head.

It will be noted that the outer hoop section 11 is provided with an inwardly-directed flange at one end in the form of the connecting wall 12, which latter also serves as a seat for the drum head and is also provided with an inwardly-directed flange at the opposite end in the form of the bead 15. The two flanges 12 and 15 lock the hoop section 14 against any longitudinal movement, and the drum heads 13 are thus firmly held in place. The enlarged ends give the appearance of hoops and the terminal beads give the appearance of considerable thickness to these hoops. The hoops are formed of double thickness so that they are comparatively strong and not easily bent by rough or careless handling.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A metal drum, formed of three pieces or members, one of said members comprising a cylindrical body and two terminal hoops integral therewith, said hoops being separated from said body by annular shoulders, and the other two of said members each comprising a sheet metal drum head seated upon its corresponding shoulder and having a peripheral metal flange concentric with the adjacent hoop and in engagement with the inner surface thereof to reinforce the latter, the marginal edge of each hoop being bent inwardly and back upon itself to retain said drum head flange in position and against said shoulder.

2. A sheet metal drum, including a substantially cylindrical body having a hoop at one end thereof and separated therefrom by a shoulder, a sheet metal drum head seated upon said shoulder and having an annular flange concentric with said hoop and in en-

gagement with the inner surface thereof to reinforce the latter, the outer or free edge of the metal forming the hoop being bent back upon itself to engage with the inner surface of said flange and retain the latter in position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ATHERTON DARLING CONVERSE.

Witnesses:
FRED C. HANSCOM,
GEORGE H. INGALLS.