May 31, 1932. O. L. BARTLETT 1,861,293

SETTING UP FORM FOR STAVED CONTAINERS

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Fig. 1.

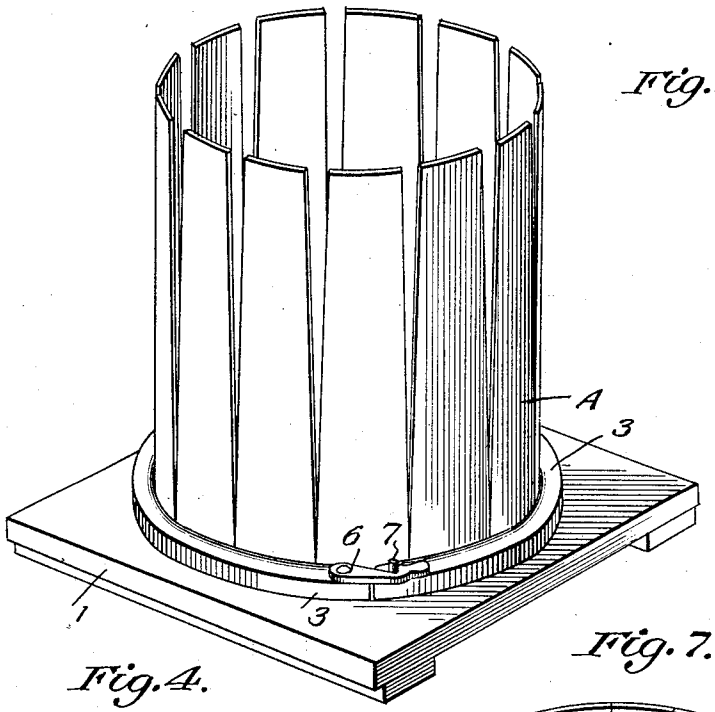


Fig. 4.

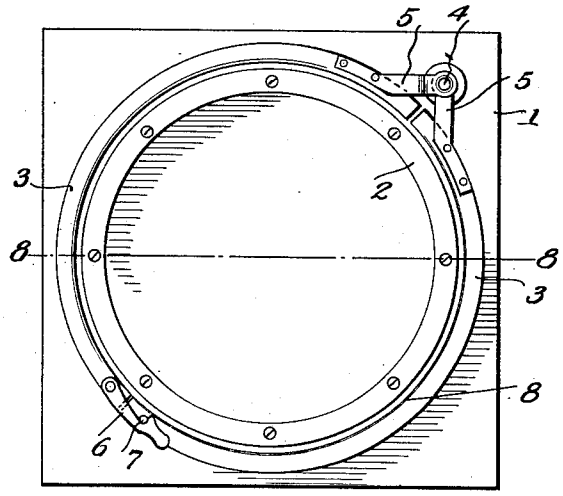


Fig. 8.

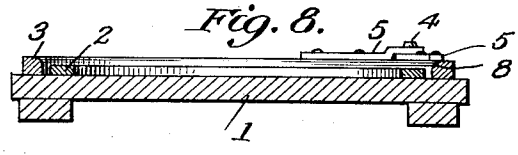
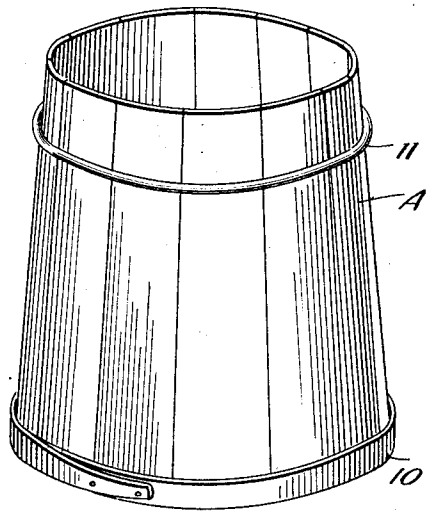


Fig. 7.



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SETTING UP FORM FOR STAVED CONTAINERS

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Fig. 2.

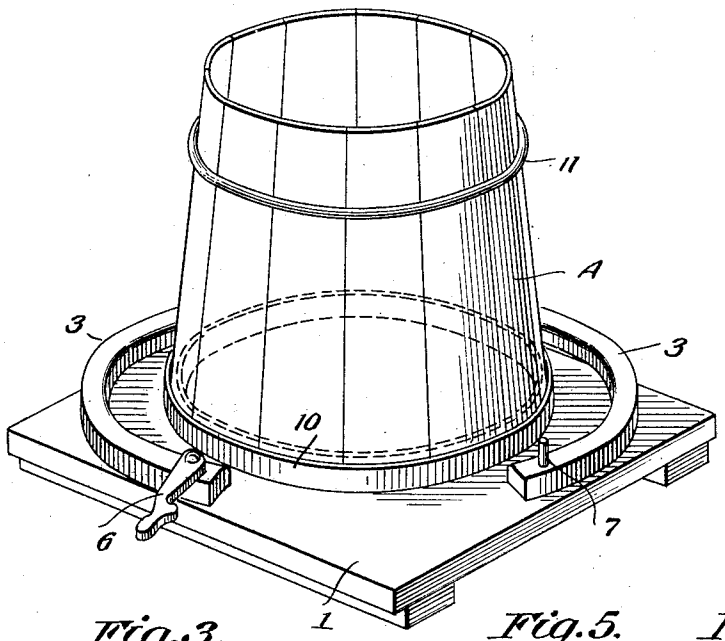


Fig. 3.

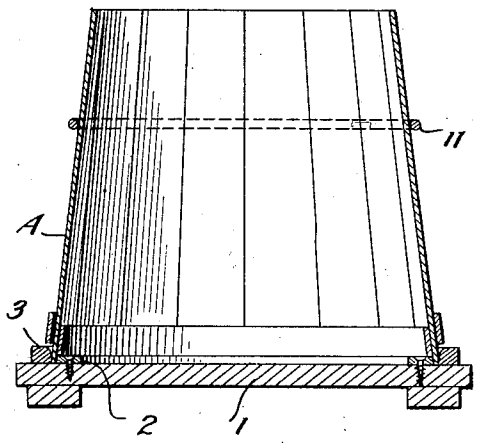


Fig. 5.

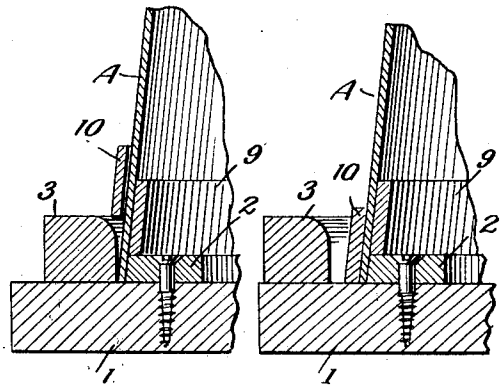


Fig. 6.

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UNITED STATES PATENT OFFICE

OSCAR L. BARTLETT, OF MOUND CITY, ILLINOIS

SETTING UP FORM FOR STAVED CONTAINERS

Application filed July 24, 1930. Serial No. 470,425.

This invention relates to a method of and means for setting up containers formed of staves, the general object of the invention being to provide means whereby the container can be set up in a rapid manner and will be much stronger than containers now in use, due to the fact that heavier stock can be used for the staves than is now used.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing the invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a perspective view showing the staves arranged in the device and ready to receive the hoops.

Figure 2 is a similar view, but showing the hoops and truss ring in position and the outer ring member in open position.

Figure 3 is a vertical sectional view through Figure 2.

Figure 4 is a top plan view of the device.

Figure 5 is a detail sectional view showing the outer ring member closed, and the outer top hoop in position ready to be driven down to the end of the container.

Figure 6 is a similar view, but showing the outer ring member in open position and the hoop driven down to its normal position.

Figure 7 is a perspective view of the container after it has been removed from the device.

Figure 8 is a section on line 8—8 of Figure 4.

In these drawings, the numeral 1 indicates the base and the numeral 2 indicates an inner ring fastened to the base by screws or the like. The numeral 3 indicates an outer ring formed of two sections which are hingedly connected with the base by the pivot pin 4 and the outwardly extending arms 5 which are connected with the sections, as shown in Figures 4 and 8. A latch 6 is pivotally connected with the free end of one section and is adapted to engage a keeper pin 7 on the free end of the other section to hold the outer ring in closed position.

The inner top corner of the outer ring is rounded as shown at 8.

From the foregoing it will be seen that when the two sections of the outer ring are latched together, the inner and outer rings will form an annular space to receive the ends of the staves A so that these rings provide a form for setting up the staves of a container. An inner hoop 9 is seated on the inner ring and the staves rest upon this inner hoop as their ends are being placed in the annular space. An outer hoop 10 is placed over the staves after they are assembled as shown in Figure 1, and a truss ring 11 is placed over the upper portions of the staves to draw them together, as shown in Figure 2. The outer ring is then opened and the outer hoop driven down, as shown in Figures 2 and 6. The container is then removed from the device and the other hoops put in position, the truss ring 11 removed and the hoops fastened to the staves in any suitable manner.

Thus it will be seen that I have provided simple means for enabling the staves of a container to be quickly and easily set up and the hoops applied and the invention also permits the use of heavier stock than is used in containers as now constructed.

By rounding the corners of the outer and inner rings, the placing of the ends of the staves between the rings is facilitated.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A structure of the character described comprising a platform, an unbroken stationary annular ring mounted upon the platform, a split two-part opening and closing ring member concentrically disposed spaced from the

annular ring, a hinge joint connecting the two parts of the split ring and fixed to the platform, and a fastener for detachably latching the two parts of the ring when brought in close relation to the annular ring, said stationary ring being upwardly tapered.

In testimony whereof I affix my signature.

OSCAR L. BARTLETT.