

July 11, 1950

E. L. BARKLEY, JR

2,514,829

HOGSHEAD

Filed Aug. 6, 1949

2 Sheets-Sheet 1

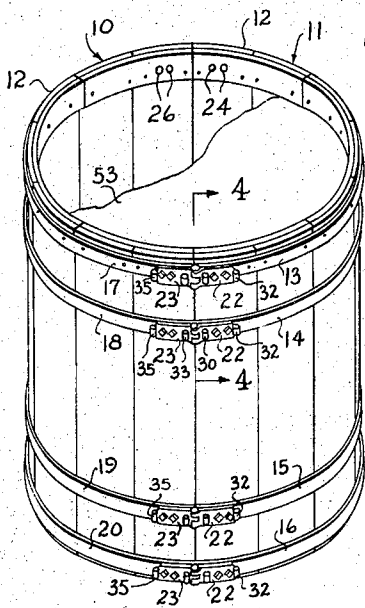


Fig-1

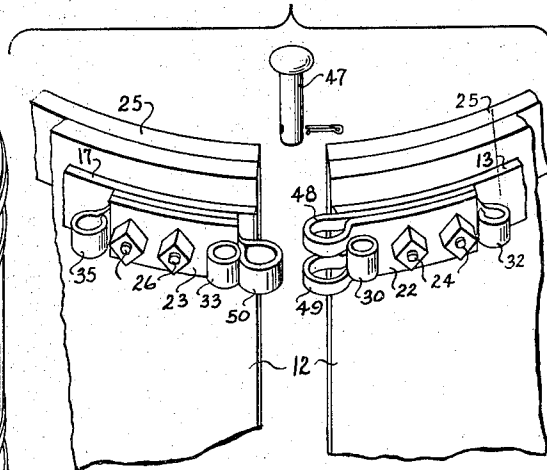


Fig 5

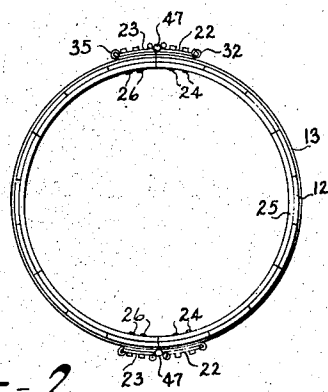


Fig-2

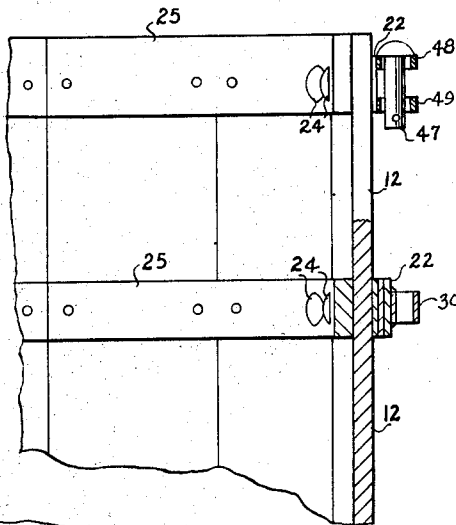


Fig-4

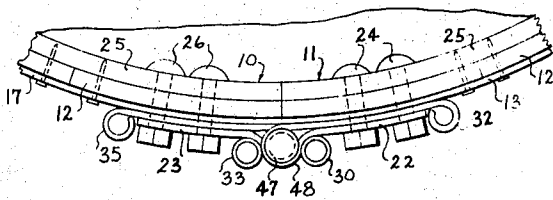


Fig-3

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2 Sheets-Sheet 2

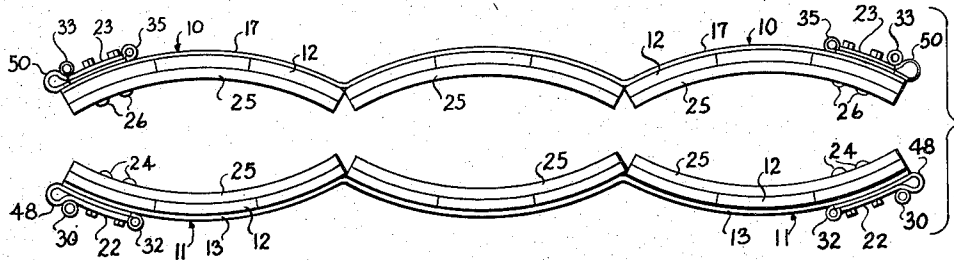


Fig- 6

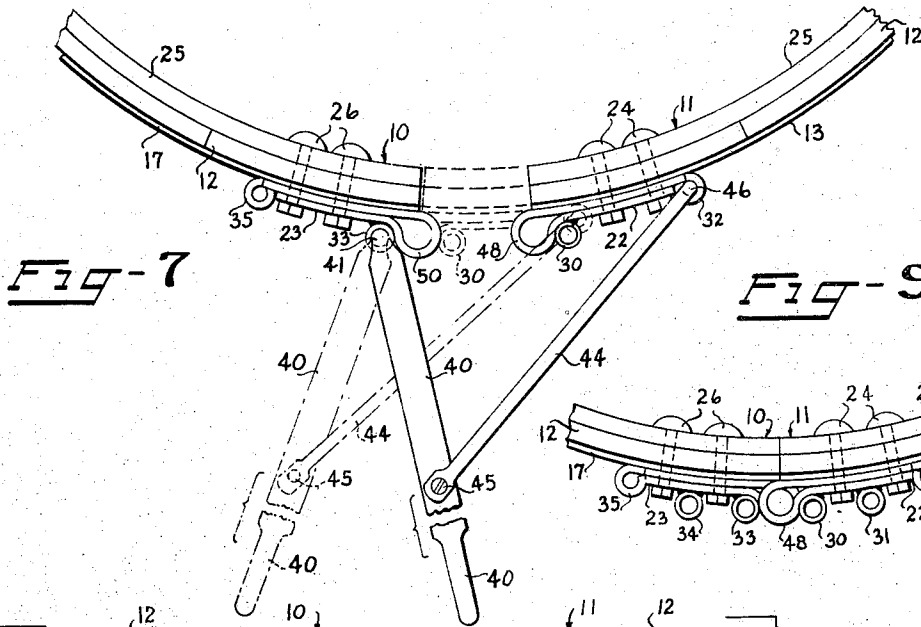


Fig- 7

Fig- 9

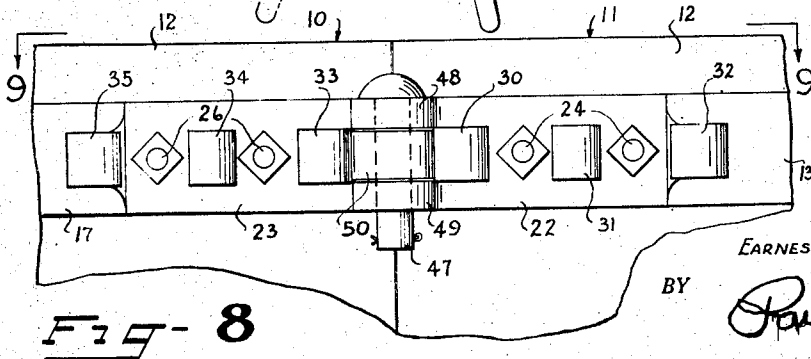


Fig- 8

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UNITED STATES PATENT OFFICE

2,514,829

HOGSHEAD

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2 Claims. (Cl. 217-44)

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This invention relates to a hogshead into which tobacco is placed for storing purposes.

It is an object of this invention to provide a hogshead having removable heads and instead of the walls thereof being tubular and in one piece, it has two semi-circular sections detachably secured together with each semi-circular section having a binder strip adjacent each end thereof for confining the head portions therein and the two semi-circular portions of the hogshead comprising a plurality of staves which are secured to suitable semi-circular hoops and the binder strips being laid into sections, that is, cut transversely at points agreeing with the proximate sides of some of the staves so that the two semi-circular portions can be folded substantially flat to thus occupy very much less space during transport.

It is well known that after tobacco has been placed in a hogshead under considerable pressure, it is necessary to inspect the tobacco therein at certain times to determine the state of the tobacco. It is, therefore, necessary to provide means whereby a portion of the hogshead may be opened without permanently disturbing the staves or head members therein and which may be replaced to original position.

It is, therefore, another object of this invention to provide a hogshead comprising top and bottom head portions secured between two semi-circular halves with means for hingedly securing the semi-circular halves together.

It is a further object of this invention to provide a hogshead of the class described with a binder strip secured permanently at each of the upper and lower ends of the halves and which binder strips are disposed in end to end relation and each binder strip having a length which is equal to the width of one or more of the staves to which it is attached. These binder strips normally hold a pair of head members in position and in contact with the tobacco placed within the hogshead. By permanently securing these binder strips to the staves, in combination with two detachably secured barrel sections, it is possible to allow the two sections to be disconnected at their upper ends while the packing operation is taking place. When it is desired to insert the head therein, the outward bulge of tobacco as it is being pressed downwardly into the hogshead along with the head portion by a suitable press will cause the upper end of the hogshead to flare outwardly sufficiently to allow the head portion to move downwardly to pass the binder strip. After this is done, suitable bands

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or chains may be placed around the upper portion of the hogshead to pull the two halves together so that the hinges may be secured together. In the present invention, a suitable tool having two portions may be inserted in suitable openings in the two hinged sections to draw the two sections of the hogshead together to where a suitable retaining pin can be placed therein, without the necessity of employing chains and suitable pulling means for compressing the semi-circular side portions to where the heads will be confined and to where the removable pins can be inserted in the hinges on the proximate ends of the hoops for the two halves.

Some of the objects of the invention having been stated, other objects will appear as the description proceeds, when taken in connection with the accompanying drawings, in which

Figure 1 is an isometric view of my improved hogshead with portions broken away;

Figure 2 is an end view looking down on Figure 1;

Figure 3 is an enlarged top plan view showing the junction point of the connecting hinges;

Figure 4 is a vertical sectional view taken along the line 4-4 in Figure 1;

Figure 5 is an isometric view of the upper portion of Figure 1 and showing the two halves of the hogshead slightly separated from each other;

Figure 6 is an elevation showing the two semi-circular portions in collapsed position;

Figure 7 is a view looking down on one end of the hogshead and showing how the two portions can be brought together by means of a suitable tool;

Figure 8 is an elevation looking at one of the hinged connections and showing the two portions thereof connected together;

Figure 9 is a top plan view of the structure shown in Figure 8 and is taken along the line 9-9 in Figure 8.

Referring more specifically to the drawings, the numerals 10 and 11 indicate semi-circular portions of a hogshead which are formed from a plurality of staves 12. These staves 12 are secured together by a plurality of hoops 13, 14, 15 and 16 which are preferably of strap iron. These hoops 13, 14, 15 and 16 are semi-circular, that is, extend halfway around the hogshead and cooperate with other half-length hoops 17, 18, 19 and 20.

Each end of each of the hoops 13 to 16, inclusive, has a half hinge 22 secured thereto, and each end of the hoops 17 to 20, inclusive, has a half hinge 23 secured thereto. Suitable bolts

24 penetrate the hoops 13 to 16, inclusive, and also one of the staves 12 and the bolts for the uppermost and lowermost hoops also penetrate a section of a binder strip 25. The other half hinges are secured in position by means of bolts 26 which penetrate the half hinges 23 and their associated hoops 17, 18, 19 and 20, as the case may be, and also the binder strips 25 which are disposed at each end of the hogshead, only one of which is shown in the drawings.

The half hinges 22 each have a plurality of cylindrical projections 30, 31 and 32 extending therefrom, though some of these may be omitted, if desired, while the half hinges 23 each have a plurality of cylindrical members welded thereto indicated at 33, 34 and 35. A suitable tool indicated at 40 has a right angular portion 41 which may be inserted in one of the cylindrical members 33, 34 or 35 of the hinge 23 and it has a leg 44 pivoted as at 45 to lever 40 and this has a right angular portion 46 which may be inserted in any one of the projections 30, 31 or 32 for pulling the two sections of the hogshead together to where a pin 47 may be inserted between ears 48 and 49 on half hinge 22 and between an ear 50 on half hinge 23 which fits between ears 48 and 49 on half hinge 22.

It will be noted that the binder strips 25 are not semi-circular, but are cut into arcuate sections coinciding with a junction point of two staves so that the semi-circular sections of the hogshead may be folded substantially flat as the strap iron hoops 13 to 20 will bend at these points when the sections of the hogshead are to be transported from one place to another. The binder strips 25 serve to confine the head portions 53 which are preferably of thick plywood material, only one of these head portions being shown in the drawings, the other end of the hogshead being identical to the end shown in Figure 1.

By having the binder strips 25 cut into segments, it is possible to loosen the two top hinges 22 and 23 and remove the pins 47 therefrom and swing outwardly the first section of each of the semi-circular sections to inspect the tobacco therein without having to swing the entire two semi-circular sections apart from each other as in Patent Number 2,127,435 of August 16, 1938.

In the drawings and specification there has been set forth a preferred form of the invention, and although specific terms are employed, they are used in a generic and descriptive sense only,

and not for purposes of limitation, the scope of the invention being defined in the claims.

I claim:

1. A hogshead comprising two semi-circular sections having semi-circular hoops secured on their exteriors, the semi-circular sections being formed from a plurality of staves in side by side relation, a binder strip disposed near each end of the hogshead and on the interior surface thereof and behind which a head member is adapted to be confined, said hoops having a pair of projections on one end thereof and a single projection on the other end thereof adapted to fit between a pair of projections on an adjacent end of a complementary hoop section, pins disposed in said projections to hold the hogshead in closed position, each of the binder strips being in the form of several segments abutting in end to end relation at a point where two associated staves are abutting in edge to edge relation, either of said head members being removable by removing the pins from the proximate semi-circular hoop members, each of the hoops adjacent the ends thereof having tubular members secured thereto and through which the two portions of a pulling instrument may be inserted for applying pressure to swing the ends of the hoop sections into position to where the central single projection on one end of a hoop section will pass between the pair of projections on one end of a complementary hoop section.

2. A hogshead comprising a pair of semi-circular sections formed from a plurality of staves and being secured together by a plurality of semi-circular metallic hoop members secured to the outside of said staves, the inner surfaces of said staves near their ends having a plurality of binder strips disposed in end to end relation thereto and having their proximate end sections coinciding with the proximate edges of two adjacent staves, the ends of the hoop sections having spaced complementary projections thereon provided with openings so that when the hoop sections are brought into overlapping relation, a suitable pin can be passed therethrough, the ends of the hoop sections having tubular members welded to their exterior surface and into which two portions of a suitable pulling tool can be inserted for bringing the ends of the hoop sections together to confine the head members within the ends of the hogshead.

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No references cited.