Sept. 27, 1932. C. G. LEIGH 1,879,984

METHOD OF ATTACHING A COVER FASTENER

Filed Aug. 23, 1930

Fig. 1.

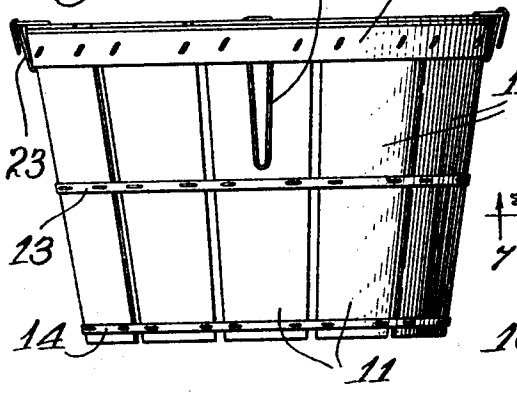


Fig. 2.

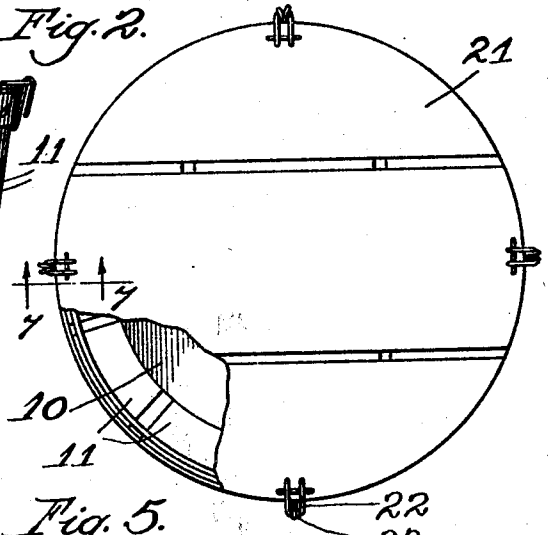


Fig. 3.

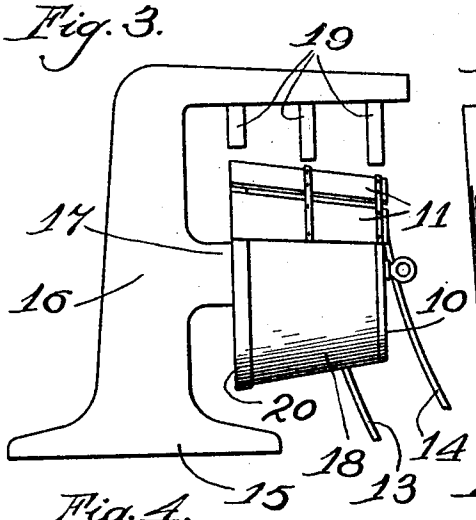


Fig. 5.



Fig. 6.

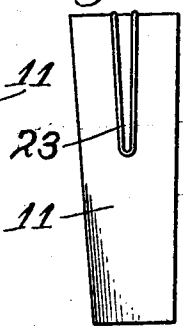


Fig. 8.

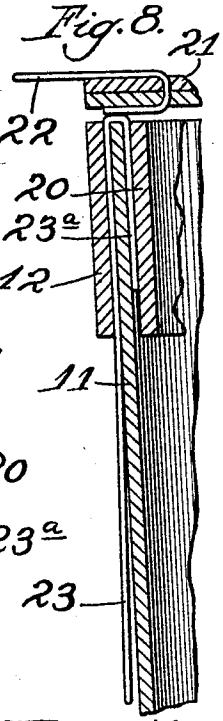


Fig. 4.

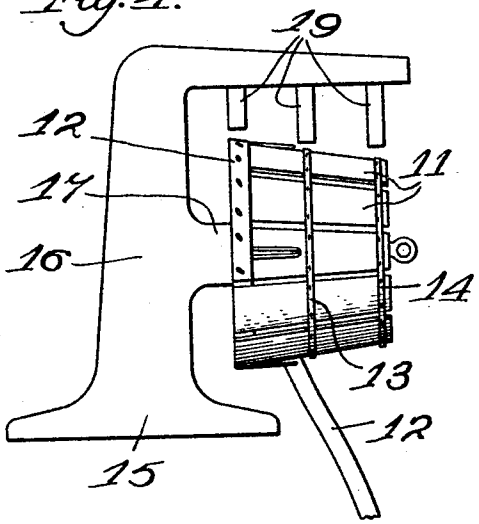
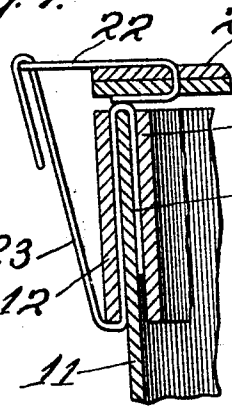


Fig. 7.



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UNITED STATES PATENT OFFICE

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METHOD OF ATTACHING A COVER FASTENER

Application filed August 23, 1930. Serial No. 477,432.

This invention relates to an improved method of attaching a cover fastener to a basket, crate, or the like, and more particularly to baskets of a well-known type formed primarily of a flat circular bottom with vertical staves having their lower ends attached to the bottom and their upper ends supported by a hoop.

Such baskets have heretofore been provided with cover fasteners at the upper edge, adapted to be inserted through projecting eyes or loops on the cover and then bent downwardly to hold the cover in place. Among the features of my invention is the provision of improved means and method for attaching such fasteners to the basket.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In the accompanying drawing illustrating my invention—

Figure 1 is a view in side elevation of a crate with a cover fastened thereon; Fig. 2 is a top plan view with a portion of the cover broken away; Fig. 3 is a view in side elevation of a basket-making machine showing a basket in the process of manufacture; Fig. 4 is a similar view showing the basket somewhat more complete; Fig. 5 is a view in side elevation of one of the staves of the basket before being put in the basket-making machine; Fig. 6 is a similar view of a stave showing a cover fastener applied to the upper end thereof to form an assembly unit; Fig. 7 is a view taken as indicated by the line 7—7 of Fig. 2; and Fig. 8 is a similar view showing the cover fastener before it is bent upwardly for insertion through the eye on the cover.

As shown in the drawing, the basket may comprise a flat circular bottom 10 with vertical staves 11, 11 having their lower ends attached to the bottom and their upper ends supported by an exterior wooden hoop 12. Numeral 13 may indicate an exterior metal hoop around the middle of the basket and 14, a similar hoop around the lower ends of the staves.

Baskets of the type referred to are commonly manufactured on machines diagrammatically or roughly indicated in Figs. 3 and 4. The details of such a machine form no part of the present invention and, consequently, the same need not be described here. It will suffice to say that such a machine usually includes a suitable base 15 with a standard 16 carrying a horizontal arm 17, on which is rotatably mounted a form 18. In the process of manufacture, the basket is built up on the form 18 by applying the staves 11. Above the form 18 are arranged suitable riveting or stapling heads 19, or similar mechanism for applying the hoops 12, 13 and 14, and riveting or attaching the same to the staves. Numeral 20 may indicate an interior hoop at the top of the basket.

As shown in the drawing, the cover of the basket is indicated by 21 and this is provided with projecting eyes or loops 22 adapted to receive the cover fasteners, hereinafter referred to.

As shown in Figs. 1, 2, 7 and 8, the completed basket is provided with cover fasteners 23 (see Fig. 8) preferably made of malleable material, such as wire. In fastening the cover in place, these fasteners are bent to project substantially vertically upwardly, then inserted through the loops 22, and their ends then bent downwardly around the outside of said loops, as shown in Figs. 1, 2 and 7, to hold the cover in place. Before applying the cover, the cover fasteners may extend downwardly, substantially flat against the staves 11, as shown in Fig. 8. As here shown, these cover fasteners are formed of double wire with the two ends on the inside and the folded portion outside.

Cover fasteners of the general type shown are old in the art, but my invention comprises primarily an improved method of and means for attaching the same to the basket. If the basket is completely manufactured before the cover fasteners are attached, it is difficult to fasten the same firmly. My invention contemplates the application of such cover fasteners to the basket in the process of manufacture. I accomplish this in the following manner. As the basket is being made on the machine, it is to be understood that the staves 11 are applied to the mandrel 18 in sequence. As many cover fasteners as desired may be

used. For example, as here shown, I contemplate using four such fasteners. In the event the basket is to have twelve staves, I accordingly provide every third stave with such a fastener before it is fed into the basket-making machine.

The cover fastener is applied to the upper end of the stave, as shown in Fig. 6, by bending the upper end of the same over the top of the stave with the fastener lying substantially flat against the outer surface of the stave. When in this position, it will be seen that the fastener will not interfere with the process of basket making. The fastener may be slightly clinched to retain the same temporarily on the stave thus forming an assembly unit.

In the regular process of basket making, the hoop 12 is applied and the cover fastener is permanently held between the upper end of the stave and said hoop. The inner end of the cover fastener, as indicated by 23^a, will be also held between the upper end of the stave 11 and the inner hoop 20. It will be seen, therefore, that when the basket is complete, the cover fastener will be firmly and permanently held in place.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as permissible, in view of the prior art.

What I regard as new, and desire to secure by Letters Patent, is:

1. In the art of basket making of the type described, the method of attaching a cover fastener, consisting of applying the fastener to the upper end of a stave by bending the same over the top of the stave with the fastener lying substantially flat against the outer and inner surfaces of the stave to form an assembly unit and then applying the upper outer hoop of the basket in the regular process of the basket making to hold said fastener permanently in place.

2. In the art of basket making of the type described, the method of attaching a cover fastener, consisting of applying the fastener to the upper end of a stave by bending the same over the top of the stave with the fastener lying substantially flat against the outer surface of the stave, clinching the fastener slightly to retain the same temporarily on the stave and then applying the upper outer hoop of the basket in the regular process of the basket making to hold said fastener permanently in place.

3. In the art of basket making of the type described, the method of attaching a cover fastener, consisting of applying the fastener to the upper end of a stave by bending the same over the top of the stave with the fastener lying substantially flat against the outer and inner surfaces of the stave to form an assembly unit, and then applying the upper outer and inner hoops of the basket in the regular process of the basket making to hold said fastener permanently in place.

4. In the art of basket making of the type described, the method of attaching a cover fastener, consisting of applying the fastener to the upper end of a stave by bending the same over the top of the stave with the fastener lying substantially flat against the outer surface of the stave, clinching the fastener slightly to retain the same temporarily on the stave and then applying the upper outer and inner hoops of the basket in the regular process of the basket making to hold said fastener permanently in place.

In witness whereof, I have hereunto set my hand this 24th day of July, 1930.

CARL G. LEIGH.