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E. G. STURGIS

1,826,640

ARTICLE HOLDER

Filed Sept. 11, 1929

*Fig. 1.*

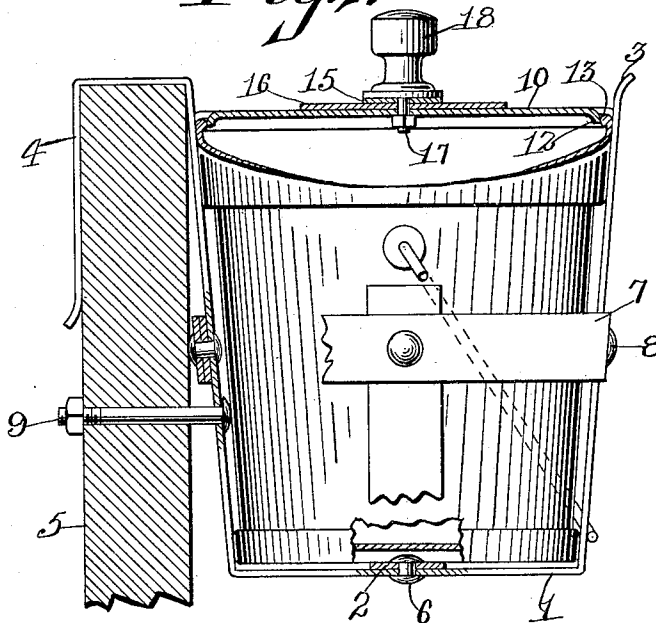


*Fig. 2.*

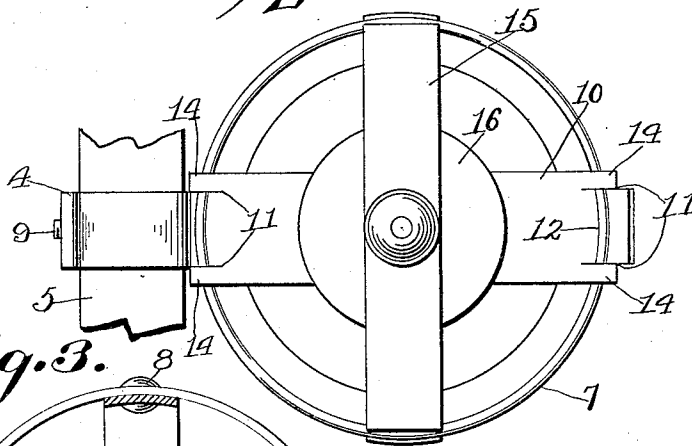
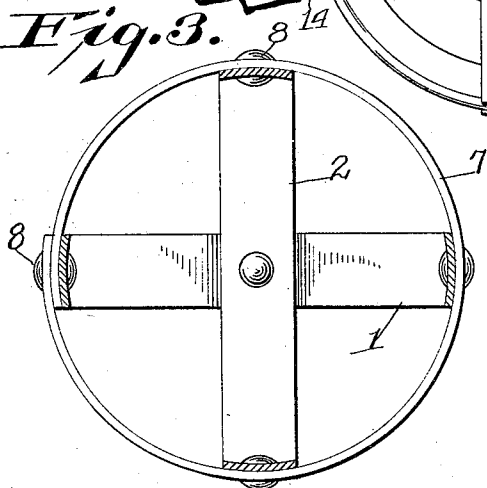


*Fig. 3.*



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## UNITED STATES PATENT OFFICE

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## ARTICLE HOLDER

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This invention relates to new and useful improvements in article holders and more particularly to a pail holder.

The main object of my invention is the provision of a holder of the above type which is particularly adapted for use in supporting pails and similar containers for use in feeding live stock, although it can be used for a great many other purposes, such as supporting painters' pails and the like.

Another object of the invention is the provision of a pail holder which has in connection therewith a top piece adapted to be fitted over the top of the pail and engaged with portions of the holder and the pail for partially covering the pail or other container in the holder when it is desired to support water containers within the pail holder for use in chicken pens so that the device can be used as a water container for chickens and prevents chickens from putting their feet in the water in the container.

A further object of the invention is the provision of a pail holder which is so constructed as to be provided with means whereby the holder can be quickly and readily attached to a rail of a fence or other similar support for supporting the holder in upright position ready for use, and at the same time can be quickly removed when so desired.

With the above and other objects in view, the invention consists in the novel features of construction, the combination and arrangement of parts hereinafter more fully set forth, pointed out in the claim and shown in the accompanying drawings wherein:

Figure 1 is a side elevation of a pail holder constructed in accordance with my invention with parts thereof broken away and illustrated in cross section;

Figure 2 is a top plan view; and,

Figure 3 is a transverse sectional view.

Referring more particularly to the drawings, wherein I have illustrated the application of my improved pail holder, it will be noted that the body of the holder is formed of two U-shaped members 1 and 2, respectively. The U-shaped member 1 has its arms disposed at a slight angle with respect to the intermediate portion and one of the arms

has at its upper end an outturned portion 3 which forms a cam-like flange for guiding the pail or other container within the arms.

The second arm of the U-shaped member 1 is of greater length than the first arm and is bent upon itself to form a hook-like member 4 which can be engaged over a board 5 or any other suitable support to support the entire pail holder for use.

The U-shaped member 2 has its arms extending upwardly and slightly at an outward incline to correspond to the inclination of the arms of the U-shaped member 1 and the member 2 is disposed at right angles to the member 1 with its intermediate portion engaging the intermediate portion of the member 1 at its central part and secured thereto by means of a rivet 6, although other suitable fastening means may be used.

In order to securely hold the arms of the U-shaped members in their proper relative positions, I provide a band 7 which extends around the arms of the U-shaped members 1 and 2 at a point above the intermediate portions thereof, the band being approximately arranged intermediate the arms of the U-shaped member 1 and adjacent the upper ends of the U-shaped member 2. The ends of the band 7 are overlapped, as shown in Figures 1 and 3, and secured to one of the arms of the member 1 by means of a rivet 8, other rivets 8 connecting the band to the arms to the two U-shaped members.

It will be noted that the arms of the U-shaped member 2 are somewhat shorter than the arms of the member 1, so as to leave sufficient space for the movement of a bail or the like as illustrated in Figure 1, and when the holder is supported upon a rail board of a fence or similar support a bolt 9 may be passed through one of the arms of the member 1 and extended through the support for securely holding the pail holder against movement relative to its support.

It will be noted from the foregoing that after the holder has been secured in position upon any suitable type of support, a pail can be readily positioned between the arms of the members 1 and 2 and within the band 7, the bottom of the pail resting upon the in-

intermediate portion of the member 2 providing the pail is of sufficient size to pass downwardly to the bottom of the holder, otherwise the frictional contact of the pail with the arms of the U-shaped members will readily support the pail or other container within the holder. This device is particularly adapted for use in feeding calves as they have a tendency to upset the pails or containers in which they are fed, but with the use of my improved holder, the container will be securely held in position while the calves are feeding.

Should it be found desirable to use this holder for supporting water containers for chickens, I provide a cover-like portion which includes a transverse plate 10, each end of which is provided with a pair of slits 11 upon opposite sides of the center thereof, forming a tongue 12 at each end which, when the plate 10 is placed in position upon the top of the holder will engage beneath the usual upper beading 13 on a pail, while the tongues 14 formed by the slits will extend upon opposite sides of the upper ends of the arms of the member 1, the above being clearly illustrated in Figures 1 and 2.

The removable cover for the pail or other container not only includes the transverse plate 10 but includes a transverse bar 15 which extends transversely of the plate 10 with its ends adapted to rest upon the upper edge of the pail or container. Centrally of the plate 10 and bar 15 is a disc 16 and connecting the three members 10, 15 and 16 is a bolt 17, upon which is mounted a hand knob 18 to facilitate removal and replacement of the cover portion for the pail.

It will be apparent that with the improved cover which is used when it is desired to have the device for use as a water container for chickens, the cover can be quickly placed in position with the tongues 14 upon opposite sides of the ends of the arms on the member 1, the tongues 12 engaging beneath the annular beading 13 on the pail to prevent displacement of the cover part which in turn will prevent the chickens from placing their feet in the water within the container, or otherwise polluting the water within the container. The device as a whole, is extremely simple and can be manufactured and placed on the market at a very low cost.

While I have shown and described the preferred embodiment of my invention, it will be apparent that slight changes may be made in the construction when putting the invention into practice without departing from the spirit of the same or the scope of the appended claim.

I claim:

An article holder including U-shaped members arranged at right angles to each other and connected at their intermediate portions, one of said U-shaped members hav-

ing its ends extending above the ends of the other member, whereby to receive an article therebetween, a cover for the article, a transverse plate arranged over the top of the article and having centrally disposed downward turned tongues at the ends thereof with spaced tongues at opposite sides of the central tongues adapted to embrace the longer arm of one of said U-shaped members.

In testimony that I claim the foregoing I have hereunto set my hand at Huron, in the county of Beadle and State of South Dakota.

EARL G. STURGIS.

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