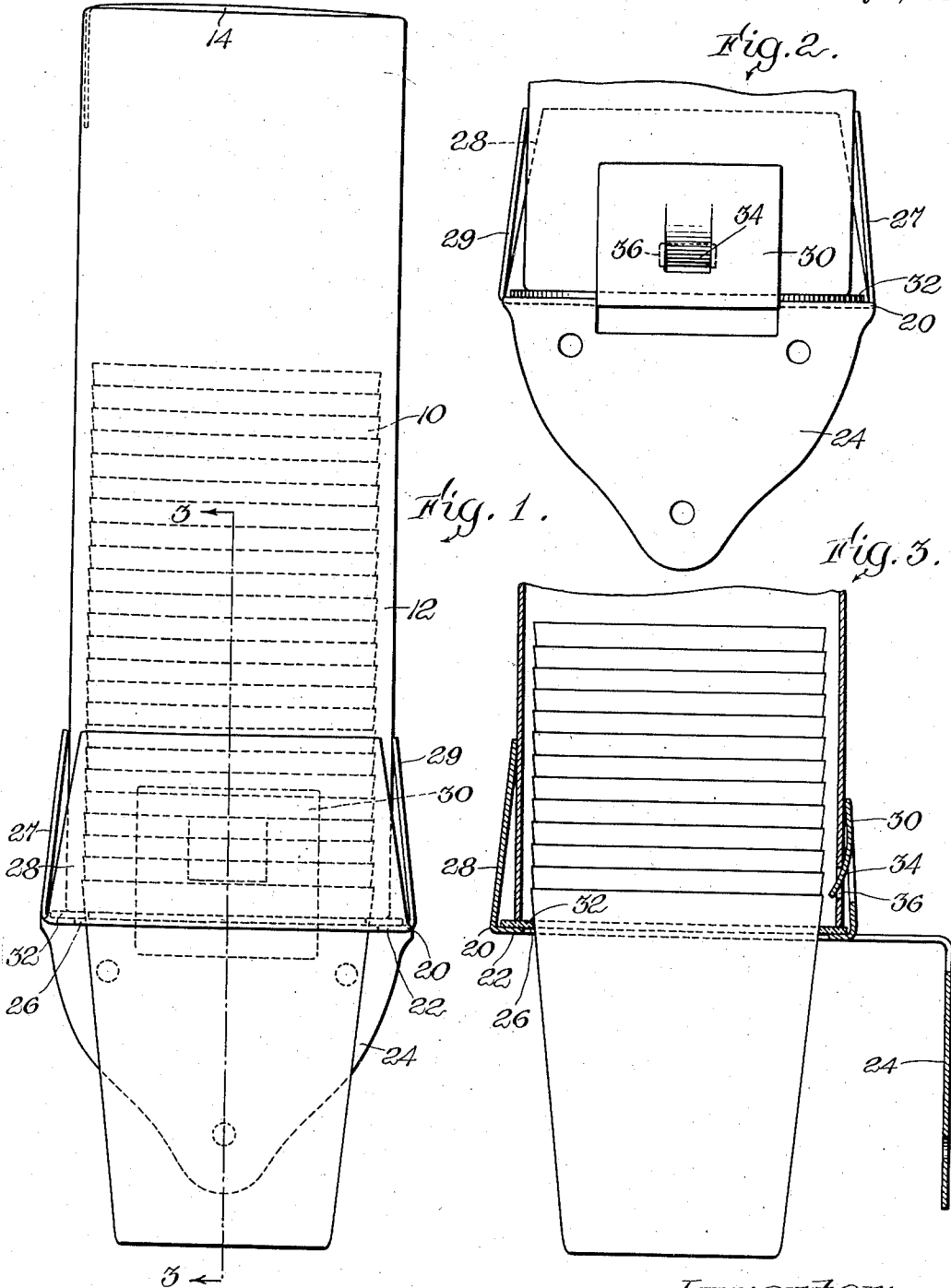


J. B. FORSYTH.
 HOLDER FOR INDIVIDUAL DRINKING CUPS.
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1,025,909.

Patented May 7, 1912.



Witnesses:
 E. M. Cabot
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by

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UNITED STATES PATENT OFFICE.

JAMES BRANDER FORSYTH, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO EDWARD H. STONE AND JAMES B. FORSYTH, COPARTNERS UNDER THE NAME AND STYLE OF STONE & FORSYTH, OF BOSTON, MASSACHUSETTS.

HOLDER FOR INDIVIDUAL DRINKING-CUPS.

1,025,909.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES BRANDER FORSYTH, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Holders for Individual Drinking-Cups, of which the following is a specification.

This invention relates to a holder for individual drinking cups.

The object of the invention is to provide a holder that will deliver such drinking cups singly as desired from the original carton or package in which they are placed for sale.

Accordingly a feature of the invention consists in the means afforded for utilizing the paper carton inclosing the nest of such cups as packed therein for sale, and for withdrawing the cups therefrom one by one as required for use, thus preventing the unsanitary and otherwise objectionable conditions to which the nest of cups would be exposed by the handling that would be required to place them in a separate receptacle for the above purpose.

In carrying the invention into effect the closed end of the paper carton covering the bottom cup of the series packed therein is opened, and then the carton is placed with its open end lowermost upon an apertured bracket, so that the lowermost cup of the nested cups will project through the bracket in a position to be grasped by the hand. A retainer, preferably of yielding material such as a ring of rubber, is located in said bracket adjacent to its aperture and is held in place by the carton. This retainer surrounds the cups and allows the lowermost cup to be drawn down and out, but withholds the next cup with sufficient friction to allow the lowermost cup to be separated from the others without detaching any of the remaining cups. Means may also be provided for attaching the carton to the bracket to prevent unauthorized detachment of the carton from the bracket. By employing the carton as the holder, the necessity of a glass or other receptacle is obviated with a consequent saving in expense, and furthermore, where such glass individual cup holders or other receptacles are provided it is necessary to remove the cups from the carton and place them in the receptacle. This is undesirable as it renders additional handling of the cups necessary. With the present inven-

tion, the cups are manufactured and packed under thoroughly sanitary conditions, and are not handled or touched again until drawn from the holder for use one at a time.

I will describe my invention in the following specification and point out the novel features thereof in the appended claim.

In the accompanying drawing Figure 1 is a front elevation of the device complete with a carton in position on the bracket, Fig. 2 is a fragmentary rear elevation of the bracket and a portion of the carton, and Fig. 3 is a longitudinal vertical section taken on the line 3—3 in Fig. 1.

The paraffined paper cups 10 are nested in quantities to suit, usually about twenty five or multiples thereof, and packed in a paper carton 12, having its ends closed by flaps 14, or in any other suitable manner. In order to use the cups, the bottom end of the carton, that is, the end nearest the closed ends of the cups, is removed from the carton. Then the carton is placed with its open end lowermost in a bracket 20, having a horizontal shelf 22 and a depending portion 24 which is adapted to be secured to any suitable support. The shelf 22 is provided with an aperture 26 through which the cups can be withdrawn, and through which the lower end of the nested cups protrude. Extending upward from the shelf 22, on each side thereof, are wings 27, 28, 29 and 30, which are arranged to engage and hold the carton in place. The wings 27, 28 and 29 are flared somewhat toward their lower portions and inclined to provide a space at the lower edge of the carton larger than the carton, into which a retainer 32 is fitted. This retainer is preferably in the form of a piece of rubber, which may be annular in shape, resting on the upper surface of the shelf 22 and held in place by the carton, the latter resting upon the upper surface of the ring. This ring provides a yielding frictional engagement with the cups, so that when the lowermost cup is drawn down through it and freed therefrom, the ring engages the next succeeding cup and holds it with sufficient friction to overcome the friction between the lowermost cup and the next cup above, thus allowing the lowermost cup to be detached from the rest and removed one at a time.

In order to secure the carton in position in the bracket 20, and prevent its unauthorized removal therefrom, an inwardly deflected tongue 34 is formed on the wing 30, which is adapted to enter a slit or slot 36 formed in one side of the carton, as shown in Fig. 3. This tongue is on the rear side of the bracket, hidden from view and inaccessible from the outside of the holder; but when the carton is put in place the finger can be inserted through the open end of the carton to guide the tongue into the slot 36. Any upward pull on the carton will cause the portion of the carton below the slit to be wedged between the tongue and the wing 30. If desired the carton may be provided with a transparent panel to enable the number of cups still in the holder to be readily ascertained.

20 Having thus described my invention, what I claim is:—

A holder for individual drinking cups, comprising a carton having its lower end open and provided with a slit adjacent the lower edge of one side, an apertured bracket upon which said carton is mounted having upwardly extending wings arranged to engage and support the sides of the carton, one of said wings being provided with an inwardly deflected tongue arranged to enter said slit in the carton side, and means arranged to engage a nest of cups in the carton and allow only the lowermost cup to be withdrawn therefrom at a time, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses.

JAMES BRANDER FORSYTH.

Witnesses:

CHARLES A. BURRELL,
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