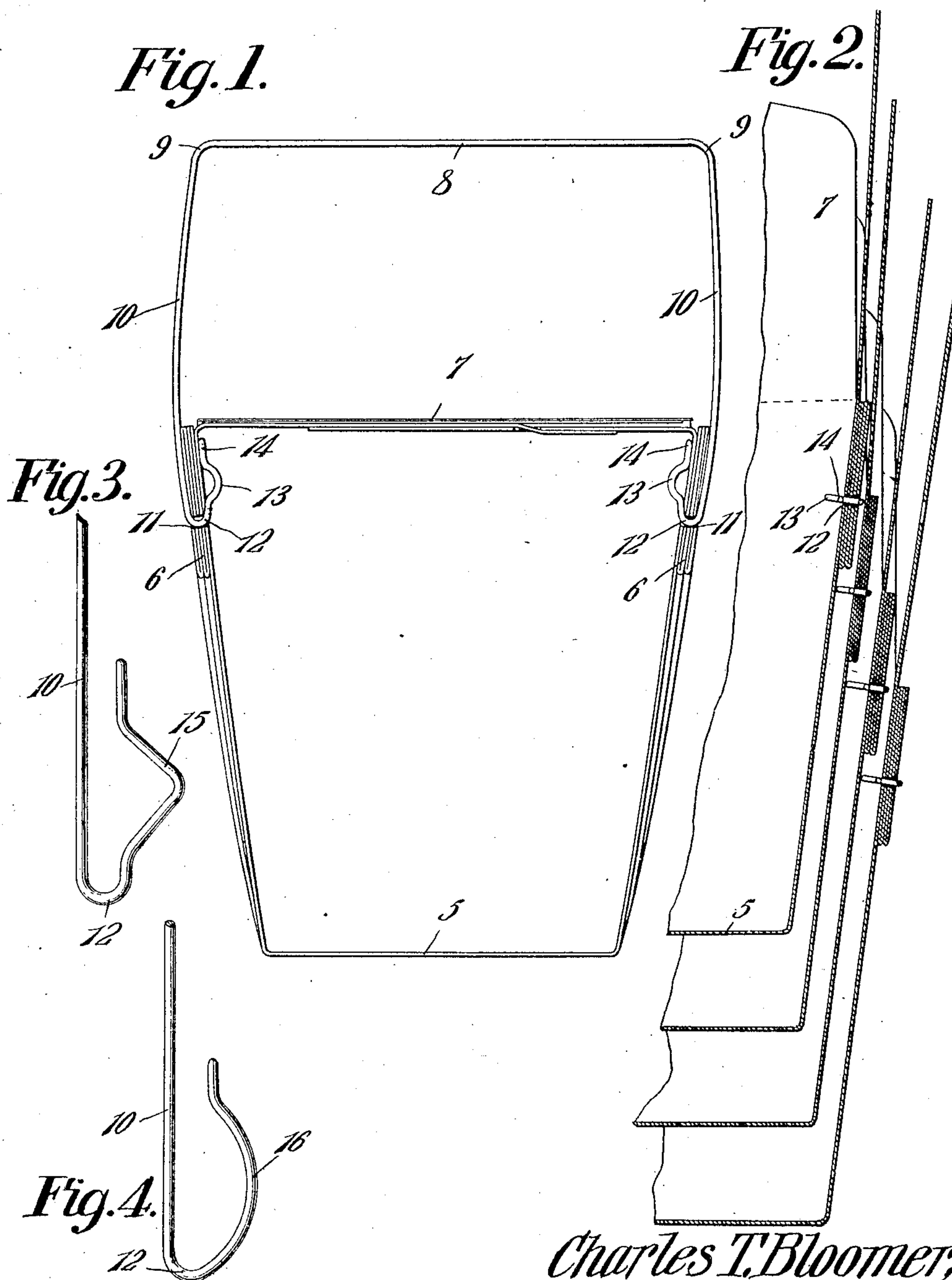


No. 878,331.

PATENTED FEB. 4, 1908.

C. T. BLOOMER.  
WIRE HANDLE FOR PAPER VESSELS.  
APPLICATION FILED JULY 2, 1906.



WITNESSES:  
*E. H. Stewart*  
*L. T. Acker*

*Charles T. Bloomer,*  
INVENTOR

By *CA Snow & Co*  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

CHARLES T. BLOOMER, OF NEWARK, NEW YORK.

## WIRE HANDLE FOR PAPER VESSELS.

No. 878,331.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed July 2, 1906. Serial No. 324,447.

*To all whom it may concern:*

Be it known that I, CHARLES T. BLOOMER, a citizen of the United States, residing at Newark, in the county of Wayne and State of New York, have invented a new and useful Wire Handle for Paper Vessels, of which the following is a specification.

This invention relates to wire handles or bails for paper receptacles.

10 The object of the invention is to provide a bail the terminals of which are bent parallel with the interior walls of the receptacle thereby to prevent the points of the bail from scratching or otherwise tearing the paper  
15 when the bail is tilted.

A further object is to form the opposite ends of the bail with lateral projections which bear against the exterior walls of an adjacent receptacle when several of said receptacles  
20 are nested and serve to space the same and thus prevent the terminals of the bail from puncturing, tearing or otherwise mutilating the walls of the receptacles.

A further object of the invention is to form  
25 each end of the bail with a socket or depression to accommodate the reinforced or overlapped portions of the side walls of the receptacle, the parallel terminals of the bail being yieldably supported in engagement  
30 with said walls thereby to assist in locking the walls in assembled position while at the same time permitting free tilting movement of the bail without undue friction.

A still further object of the invention is to  
35 generally improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

With these and other objects in view the  
40 invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form,  
45 proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a  
50 longitudinal sectional view of a paper vessel or receptacle provided with a supporting bail or handle constructed in accordance with my invention. Fig. 2 is a similar view showing several of the receptacles nested. Fig. 3  
55 is a side elevation of a portion of a bail illustrating a modified form of the invention.

Fig. 4 is a similar view illustrating a further modification.

Similar numerals of reference indicate corresponding parts in all of the figures of the  
60 drawings.

The improved bail or handle is principally designed for supporting paper vessels and similar containing receptacles of that general class constructed from a single blank and  
65 folded into the desired shape, and by way of illustration is shown applied to a paper vessel of the ordinary construction in which 5 designates the bottom of the receptacle, 6 the reinforced side walls thereof and 7 the  
70 sectional top or cover. The bail is preferably formed from a single piece of wire or other suitable material an intermediate portion of which is bent to form a hand-grip 8 while its opposite ends are bent downwardly as indicated at 9 to form a pair of substantially  
75 parallel arms 10 the ends of which are passed through suitable perforations 11 formed in the reinforced side walls of the receptacles and are provided with loops or sockets 12  
80 which bear against the exterior and interior walls of the receptacle and serve to clamp the foldable side flaps or reinforcements 6 in engagement with the side walls of the receptacle as shown. The ends of the bail after  
85 the loops or sockets 12 are formed are bent laterally to form loops or projections 13 the ends 14 of which are bent in parallel relation with the interior walls of the receptacle to form terminal bearing fingers thereby to prevent  
90 the terminals of the bail from scratching or otherwise tearing said walls when the bail is tilted laterally. The lateral projections or loops 13 are spaced inwardly from the interior walls of the receptacle and are adapted  
95 to bear against the exterior walls of an adjacent receptacle when several of said receptacles are nested thereby preventing the pointed terminals of the bails from puncturing, tearing or otherwise mutilating the sides  
100 of the receptacle, as best shown in Fig. 2 of the drawings.

By having the opposite ends of the bail formed with the sockets 12 the terminals 14  
105 of the bail are yieldably supported in contact with the interior walls of the vessel thus assisting in securing the side flaps of the latter in position while at the same time permitting free tilted movement of the bail without undue friction between the parts.

In Fig. 3 of the drawing there is illustrated a modified form of the invention in which the  
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ends of the bail are bent to form an apexiform projection 15 while in Fig. 4 the terminals of the bail are curved laterally as indicated at 16.

5 From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

10 Having thus described the invention what is claimed is:

1. A receptacle having a pivoted supporting bail the opposite ends of which are extended through the exterior walls of the receptacle and bent upwardly to form fingers adapted to bear against the interior walls of the receptacle, the free ends of said fingers being disposed parallel with and adapted to bear against the interior walls of the receptacle and the intermediate portion thereof being extended laterally within the receptacle to form bearing surfaces adapted to bear against an adjacent receptacle when several of the receptacles are nested.

25 2. A receptacle having a pivoted supporting bail the opposite ends of which are extended through the exterior walls of the receptacle and bent upwardly to form terminal fingers adapted to bear against the interior

walls of the receptacle, there being projections formed in the bent ends of the bail beneath the terminal fingers and extending within the receptacle for engagement with the exterior walls of an adjacent section when several of said receptacles are nested. 30 35

3. A receptacle having a pivoted supporting bail formed of a single piece of wire the opposite ends of which are disposed in contact with the exterior walls of the receptacle and thence extended laterally through said walls and bent upwardly within the receptacle to form terminal fingers disposed parallel with the interior walls of the receptacle and adapted to bear against the same, the wire forming the bent ends of the bail being extended laterally beneath the terminal fingers to produce intermediate projections adapted to bear against the exterior walls of an adjacent receptacle when several of said receptacles are nested. 40 45 50

In testimony that I claim the foregoing as my own, I have affixed my signature in the presence of two witnesses.

CHARLES T. BLOOMER.

Witnesses:

K. S. McERNY,  
NELLIE LESTER.