

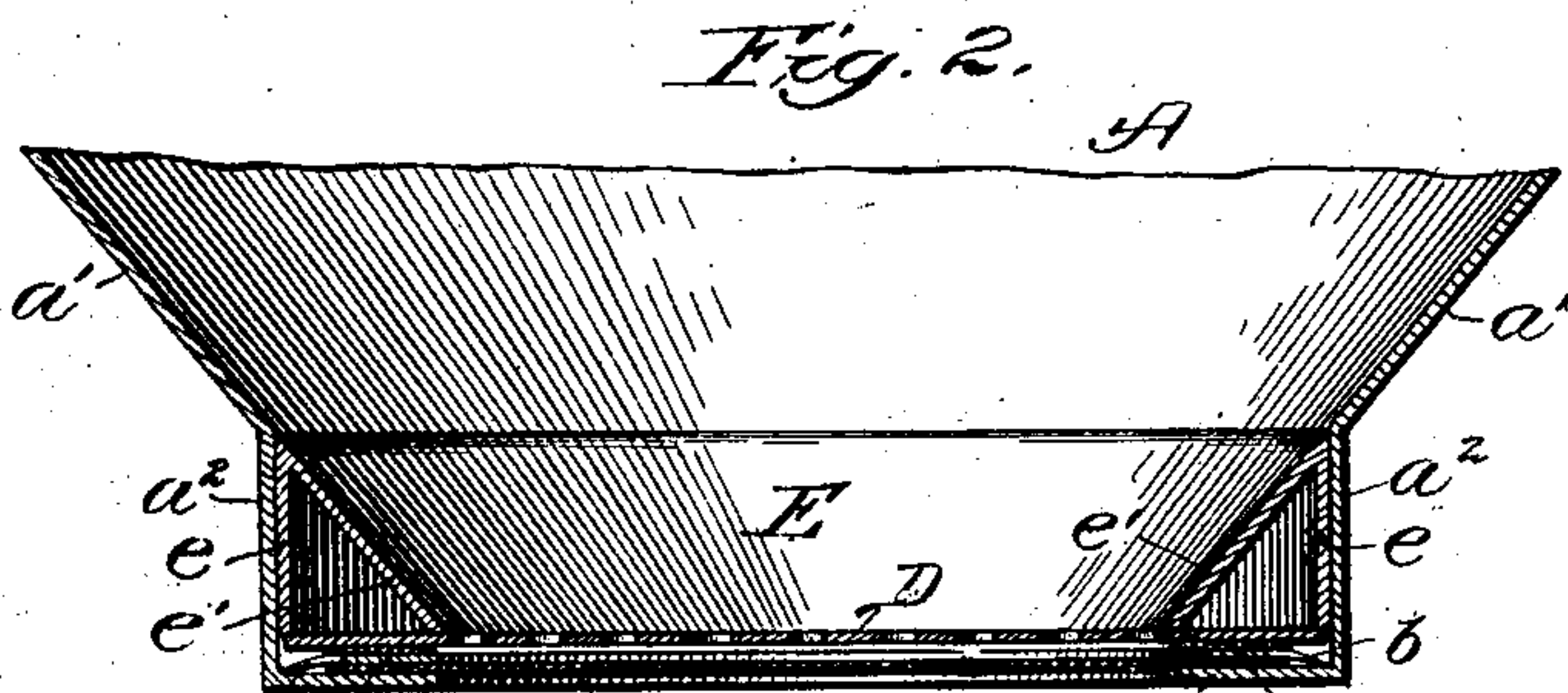
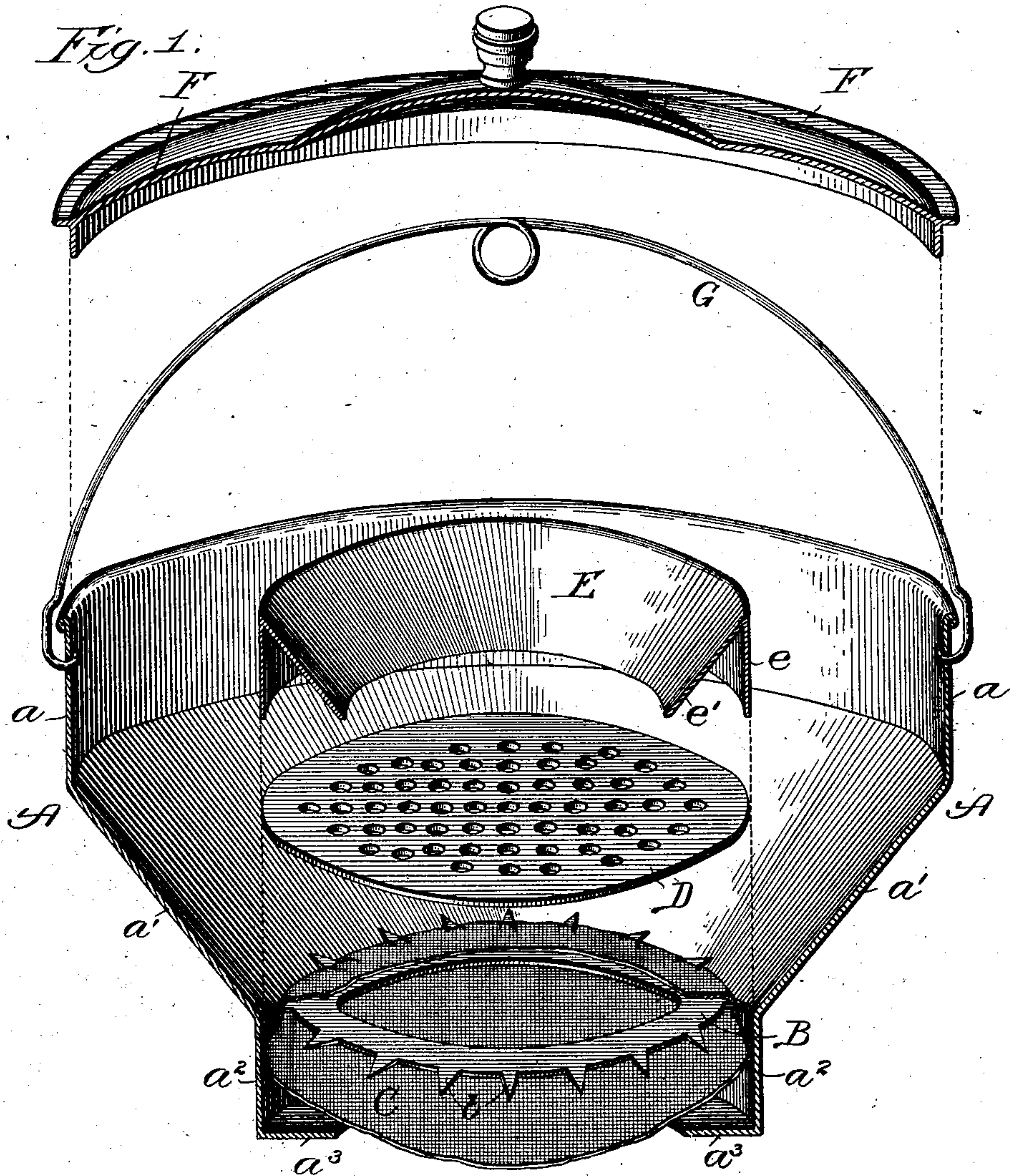
No. 725,952.

PATENTED APR. 21, 1903.

M. E. GALLAHER.
STRAINER.

APPLICATION FILED SEPT. 8, 1902.

NO MODEL.



Witnesses: *Chas. Gaylord,*
John Enders Jr.

Inventor:
Mary E. Gallaher,
By *Dyrenforth, Dyrenforth & Lee,*
Att'ys

UNITED STATES PATENT OFFICE.

MARY E. GALLAHER, OF MARSEILLES, ILLINOIS.

STRAINER.

SPECIFICATION forming part of Letters Patent No. 725,952, dated April 21, 1903.

Application filed September 8, 1902. Serial No. 122,556. (No model.)

To all whom it may concern:

Be it known that I, MARY E. GALLAHER, a citizen of the United States, residing at Marseilles, in the county of Lasalle and State of Illinois, have invented a new and useful Improvement in Strainers, of which the following is a specification.

My invention relates particularly to colanders or strainers for use in obtaining the juices of fruits for jellies, &c., and for use also in obtaining the pulp thereof for butters, marmalades, &c.

My primary object is to provide a strainer of this character of very simple construction, which can be taken apart readily for cleansing and which is well adapted to the purposes suggested and to other purposes.

It may be here remarked that it is a common practice to employ cloths through which to strain the juices of fruit, it being possible to secure a clearer liquid by this method; and one of the objects of the present invention is to provide ready means for securing a cloth in position to be employed as a straining medium.

My invention is illustrated in its preferred embodiment in the accompanying drawings, in which—

Figure 1 represents a sectional perspective view showing the parts of the improved strainer separated and in the order in which they are to be assembled, and Fig. 2 a broken vertical section of the lower portion of the strainer with the parts properly assembled.

In the preferred construction I employ a vessel A, having a cylindrical upper portion a ; a conical intermediate portion a' ; a lower cylindrical portion a^2 and an inturned flange a^3 ; a cloth or fabric retainer B, comprising an annular ring provided on its outer circulars with prongs b ; a circular cloth or fabric C, which is stretched across the under side of the ring B and impaled upon the prongs b ; a perforate metal disk D; a retainer E, having a cylindrical portion e and a conical portion e' ; a cover F for the vessel A, and a bail G for the vessel A. The flange a^3 affords a base upon which the cloth C and retainer-ring B rest. The prongs b are bent downward slightly, as clearly indicated in Fig. 2. The cloth is applied to the retainer-ring by bending the circular margin over the prongs and

causing the prongs to perforate the cloth, the cloth having sufficient elasticity to cause it to remain tightly stretched after it has been properly applied. The perforated disk D rests upon the upper side of the ring B, and the retainer E fits snugly within the cylindrical portion a^2 of the vessel A, the conical portion e' forming a continuation of the conical portion a' . When the parts are assembled, as shown in Fig. 2, the disk D serves as a protection to the cloth, which will prevent undue sagging. The disk D may have perforations of any desired size.

It is obvious that for some purposes the cloth may be employed without the disk D, and for some purposes the cloth and its retainer may be left out, and a metallic straining-disk of any suitable degree of fineness may be employed in place of the disk D, the retainer E serving to hold the disk firmly in place.

The manner of use will be readily understood. For obtaining the juices of fruits the parts may be assembled as shown in Fig. 2 and the boiled fruit placed in the vessel A, the cover applied, and the juice allowed to drain into a suitable jar. After the juice has been drained off the cloth may be cut off and pulp passed through to be used for making butters, marmalades, &c.

The improved strainer may be employed also for straining milk, lard, &c., and it may be used also as a steamer, the conical portion of the vessel A permitting the vessel to be applied to any suitable kettle. For whatever purpose the improved strainer is used it may be readily taken apart for cleansing purposes and for renewal of the cloth or substitution of a straining-disk of different mesh. Obviously one or more cloths may be employed in connection with the retaining-ring B.

Changes in details of construction within the spirit of my invention may be made. Hence no undue limitation should be understood from the foregoing detailed description.

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

1. The combination of a vessel having a conical portion and beneath said conical portion a cylindrical portion, a suitable straining medium within said cylindrical portion,

and a retainer removably fitted within said cylindrical portion having a conical portion serving as a prolongation of the conical portion of said vessel.

- 5 2. The combination of a vessel having a conical portion and a flanged cylindrical portion at the base of said conical portion, of a fabric, a flat radially-pronged retaining-ring therefor, a perforated metal disk and a re-
10 tainer fitting within said cylindrical portion above the straining media and having a conical portion forming a prolongation of the conical portion of said vessel.

3. The combination of a vessel having a cylindrical upper portion a , an intermediate 15 conical portion a' , a flanged cylindrical portion a^2 at the base of said conical portion, a suitable straining medium, and a retainer E having a cylindrical portion fitting within the cylindrical portion a^2 and conical portion 20 forming a prolongation of the conical portion a' , for the purpose set forth.

MARY E. GALLAHER.

In presence of—

ROSA B. GALLAHER,
ERNEST S. GOODELL.