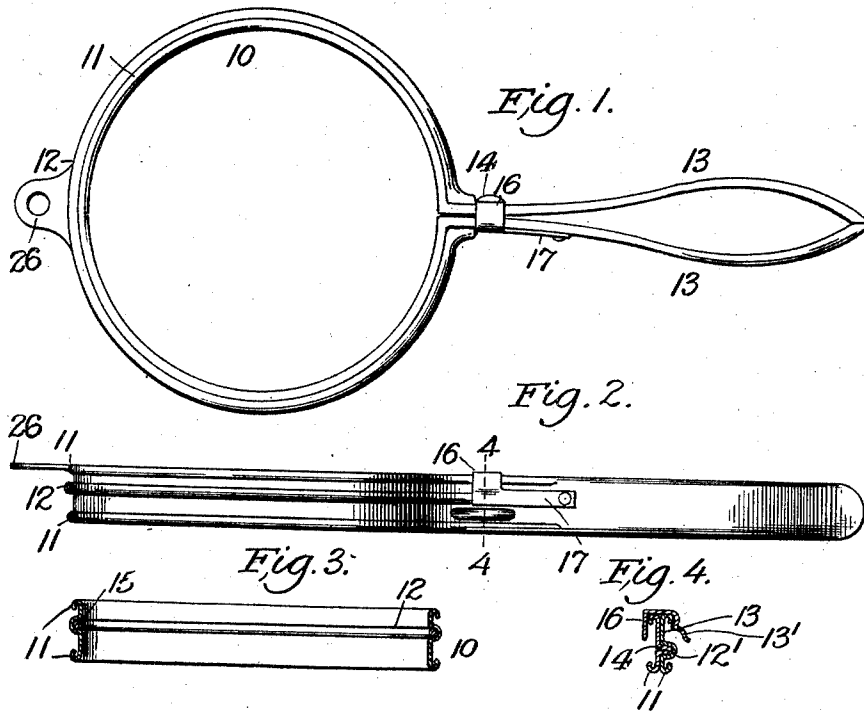


C. G. GUTTINGER.
STRAINER.

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967,370.

Patented Aug. 16, 1910.



WITNESSES:

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CHARLES G. GUTTINGER, OF NEW YORK, N. Y.

STRAINER.

967,370.

Specification of Letters Patent. Patented Aug. 16, 1910.

Application filed June 15, 1909. Serial No. 502,364.

To all whom it may concern:

Be it known that I, CHARLES G. GUTTINGER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Strainers, of which the following is a specification.

This invention relates to strainers and its object is to provide a frame adapted to be opened or separated for the reception of a ring to retain within the frame a piece of cloth through which the straining is done, the frame being closed to secure the ring and cloth by suitable fastening. These and other objects and details of the invention will be more fully described in the following specification, set forth in the claim and illustrated in the drawings wherein:

Figure 1 is a plan view of the strainer. Fig. 2 is a side view of the frame. Fig. 3 is a cross sectional view of the frame. Fig. 4 is a sectional view through the clasp on line 4-4, Fig. 2.

As cloth furnishes the most desirable straining material inasmuch as it is cheap, readily cleaned, will not rust and may be obtained in many grades of fineness of mesh and cloth of the same number of threads per inch straining much finer than wire, due to the loose fibers in the cloth which retain all impurities and sediment, the present invention provides a means for utilizing cloth for this purpose so that it may be readily inserted and held in a handle or quickly removed when changing to another grade or replacing same when worn out.

The great weakness of the wire mesh strainer is the fact that the mesh is not fine enough to strain to the desired degree of cleanness and the ease with which the mesh rust, is injured or destroyed, rendering the device worthless. This improved strainer is permanent, in that all parts but the cloth will not be injured by any ordinary use and the cloth is renewable easily and with slight expense.

The strainer consists primarily of a frame of sheet metal strip having a circular portion 10 with a shoulder or bead 11 on each edge and an interior centrally located groove 12. The ends of the strip extend outwardly and are bowed as at 13 to form a handle. Formed in one of the arms of the handle is an elongated indentation 12' into which is fitted a similarly projecting tongue

13' from the other handle section, the interlocking of the tongue and indentation forming a rigid connection between the two members and bracing and strengthening the device when the ends of the arms are brought together.

A wire ring 15 is provided to fit within the groove after having the cloth fitted around it, the ring being inserted within the circular frame while the ends are separated and when closed the ring with the cloth on its outside is forced into the groove to secure the cloth. When the ends of the frame are closed they are locked and brought in rigid contact with one another by a clasp 16 which fits over each of the ends and is carried by pivoted arm 17 secured to one of the ends. A lip 14 at one side of the clasp affords means for its manipulation. A projecting part 26 with hole in same to hang article serves also to support strainer over vessel into which it is desired to strain.

It will be seen that I have provided a cheap and simple device of the class described, and one which will effectively hold the strainer bag in position while in use.

Slight modifications may be made in details of construction* without departing from the scope of the claim.

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

In a strainer comprising an outer circular band, beads or shoulders formed on opposite edges of said band, the latter having a centrally located groove extending around the inner surface of the same and between the said shoulders, extensions forming a continuation of said band and adapted to form a handle when brought together, a tongue formed on one of said extensions and adapted to be received by a correspondingly shaped indentation formed in the opposite arm, a wire ring adapted to fit within the centrally located groove and to be clamped therein, a bag carried by the ring and embraced by the ring also within its grooves and means for locking the several parts together as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES G. GUTTINGER.

Witnesses:

DAVID GORDON,
JAMES F. DUHAMEL.