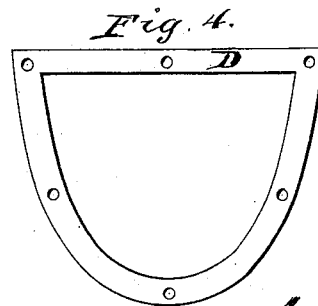
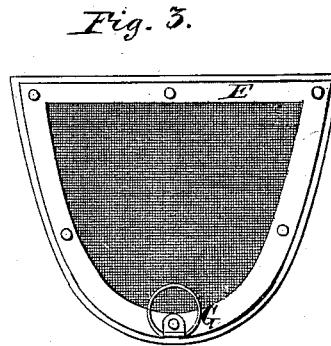
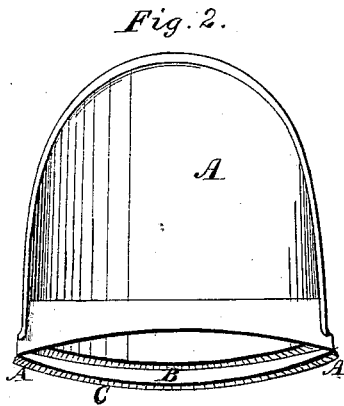
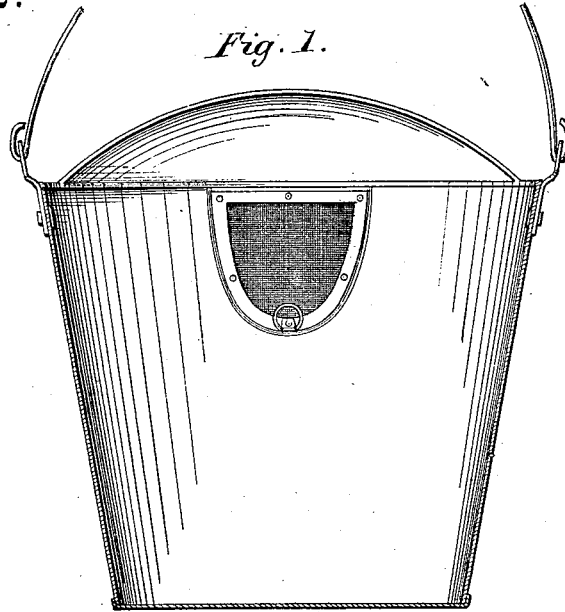


J. A. PRESTON.
MILK-STRAINER.

No. 188,539.

Patented March 20, 1877.



Witnesses
W. H. Bealston
E. S. Stafford

Inventor
Jas. A. Preston

UNITED STATES PATENT OFFICE.

JAMES A. PRESTON, OF OXFORD, NEW YORK.

IMPROVEMENT IN MILK-STRAINERS.

Specification forming part of Letters Patent No. **188,539**, dated March 20, 1877; application filed March 18, 1876.

To all whom it may concern :

Be it known that I, JAMES A. PRESTON, of Oxford, in the county of Chenango and State of New York, have invented a new and valuable Improvement in Strainers for Milk or other Fluids; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is an inside view of a tin strainer-pail in common use, showing the detachable strainer in place. Fig. 2 is a view of the spout A detached. Fig. 3 is a view of a detachable strainer-frame made in two parts, as will be described. Fig. 4 represents one of the parts of the strainer-frame, Fig. 3.

The nature of my invention consists in providing a pail, Fig. 1, with a spout so constructed and arranged that it may have a detachable strainer to facilitate cleaning and repairing the several parts.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a pail in the usual form, Fig. 1, with a hole cut through one side of suitable size and shape to receive the spout A, which may be made oval or of any other desired shape. At the end of the spout A to be attached to the pail I construct a recess or depression, B, and a flanged edge, C. The recess B is to be of sufficient depth to receive the detachable strainer-frame D E, Fig. 3.

The flanged edge C is to assist in securing the spout to the pail by passing it through the hole previously prepared for it, from the inside of the pail until the flange C comes up to a joint with the pail, where it may be soldered or fastened in the usual form.

The detachable strainer-frame I construct in two parts, D and E, and cut or stamp them out the shape and size of the inside of the recess B. To the frame E solder the strainer or wire cloth, then attach the frame D by rivets or screws, having first placed a suitable strip of packing between the faces of the frames D and E, projecting beyond the edge of the frame enough to fold over the edge of the frame E, and form a close joint when pressed into the recess B, and that may be easily adjusted into its place in the recess B, and removed therefrom, when desired, by the means of the ring G.

I do not claim an elastic expanding hoop to secure the wire-cloth by folding or winding it about the spring wire or hoop; but—

Having fully described my improvement, I claim and desire to secure by Letters Patent—

The combination, as hereinbefore set forth, in a strainer-pail, of a spout, A, with its recess B and flanged edge C, and detachable strainer-frame D E, all constructed substantially as described, and for the purpose herein set forth.

JAS. A. PRESTON.

Witnesses:

C. H. ECCLESTON,
S. S. STOFFORD.