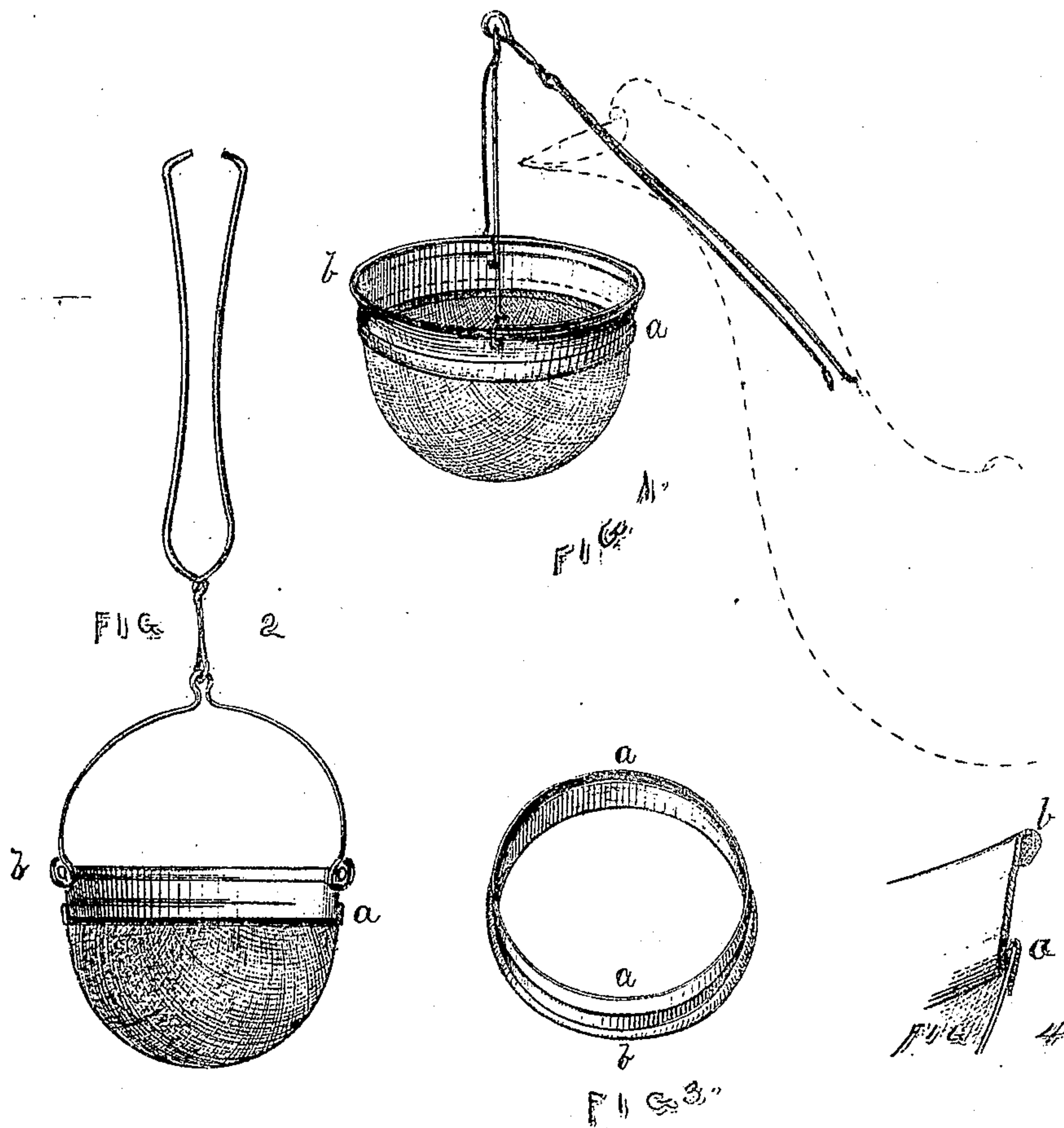


A. B. SEARLES.

Coffee Strainer.

No. 102,718.

Patented May 3, 1870.



WITNESSES..

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ANDREW B. SEARLES, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 102,718, dated May 3, 1870.

IMPROVEMENT IN TEA AND COFFEE-STRAINERS.

The Schedule referred to in these Letters Patent and making part of the same

I, ANDREW B. SEARLES, of the city and county of Providence and State of Rhode Island, have invented a new and improved Rim for Tea and Coffee-Strainers, and for other purposes hereinafter described.

The object of my invention is to provide a rim which can be securely attached to the wire-cloth or other material of which a strainer for liquid may be composed, by means of a fold on the lower side of said rim, which shall embrace and hold the edge of the wire-cloth or other straining-material, when inserted therein.

Description of the Accompanying Drawings.

Figure 1 is a side view of the spout of a coffee-pot, with the strainer attached.

Figure 2 is a vertical section of the strainer, showing the folds in the rim, and the manner in which the wire cloth or other material is inserted and held in its place.

Figure 3 is the rim inverted, and showing the opening in the fold in which the wire-cloth is to be inserted.

Figure 4 is an enlarged section of the rim, showing the folds and the wire-cloth inserted in its place.

I will describe the manner in which the rim embodying my invention is made.

Taking a piece of tin equal in length to the circumference of the proposed rim, and of any desired width, I turn two folds, or rather a double fold, along the whole length of the piece, on the side intended for the bottom of the rim. These folds are shown at *a*, fig. 4, and may be formed by first turning up a portion, from one-fourth to one-half an inch in width, for an ordinary coffee strainer, and then doubling back again about one-half of the fold first formed.

This outer fold forms the space in which the edge of the strainer cloth is to be inserted.

Another fold, *b*, figs. 1 and 4, is made along the other side of the strip of tin, for the purpose of forming an ornamental ridge or bead around the top of the rim. The piece of tin thus prepared is then

passed over a roller and formed into a circular shape, with all the folds on the outside.

The space intended to receive the strainer-cloth may be kept open during this process by the insertion of a narrow strip of tin before forming the circle, which must afterward be removed, or the space may be sufficiently opened after the ring is made, by passing a thin knife-blade around between the folds.

The strainer cloth, which has been previously cut and fitted into a corresponding size and shape, is then inserted in its place, and the fold is clasped tightly together by means of machinery adapted to the purpose, and well known to those skilled in the art. The strainer is then completed by applying a very little solder to the edges of the tin brought together in forming the ring.

The attachments for appending the strainer to the spout of a tea or coffee-pot are sufficiently shown by figs. 1 and 2. When intended for other purposes, an ordinary bail or handle may be attached to it.

A strainer constructed in this way presents a perfectly smooth surface on the inside, the edges of the wire-cloth being entirely inclosed in the fold in which it is inserted.

My invention also obviates the necessity of using solder to fasten the wire-cloth to the rim, which is done in the case of nearly all the strainers now in use, while the folds around the bottom of the rim give it an additional strength and firmness very desirable in many articles to which it is adapted.

My invention is applicable to all tea and coffee-strainers, and other liquid strainers, whether with bails or handles, and whether wire-cloth or other straining-material be used, and also applies to other articles of the same general form in which wire-cloth is attached to a metallic rim.

I claim as my invention—

A rim for strainers, the two folds running around the bottom thereof, substantially as described, and for the purposes specified.

Witnesses: ANDREW B. SEARLES.

O. LAPHAM,

CHAS. L. STEERE.