

(No Model.)

W. D. BROWN.
COFFEE STRAINER.

No. 323,780.

Patented Aug. 4, 1885.

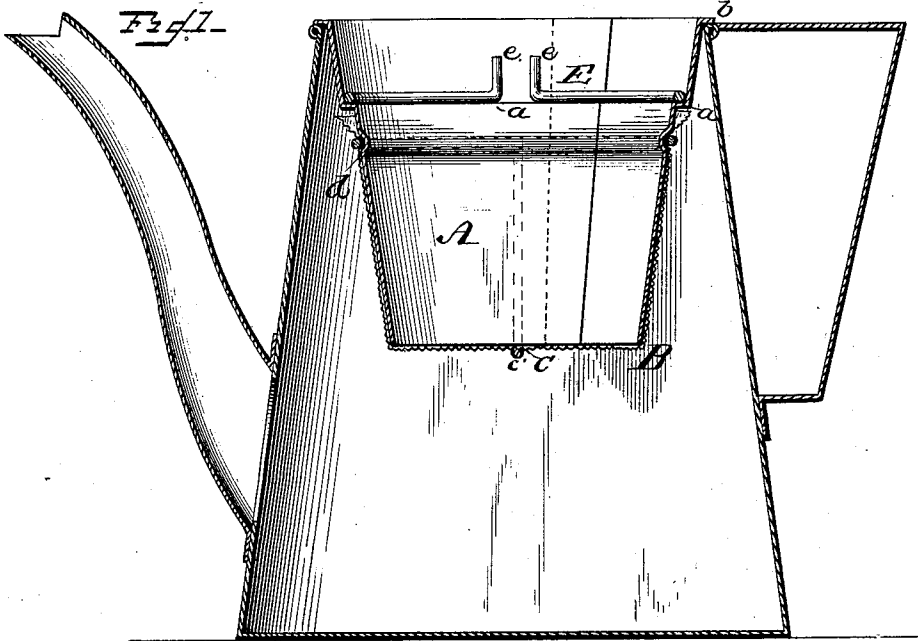


Fig. 2

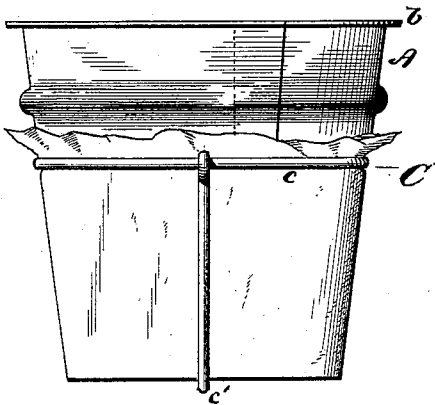
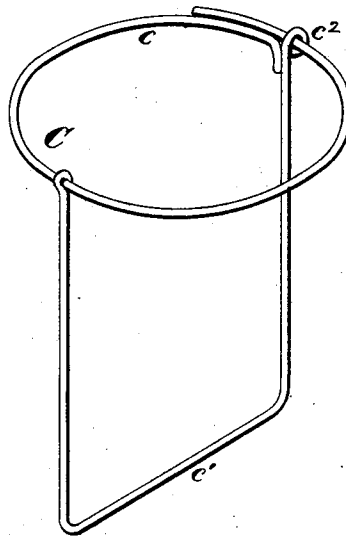


Fig. 3



WITNESSES
F. L. Ourand
A. A. Connolly

W. D. Brown
INVENTOR

by Connolly, Pro.
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM D. BROWN, OF LE ROY, ILLINOIS.

COFFEE-STRAINER.

SPECIFICATION forming part of Letters Patent No. 323,780, dated August 4, 1885.

Application filed May 13, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. BROWN, a citizen of the United States, residing at Le Roy, Illinois, have invented certain new and useful Improvements in Coffee-Strainers; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification.

10 This invention has relation to filters or strainers for coffee-pots, and has for its object the provision of a strainer which will adapt itself to coffee-pots of different sizes.

15 My invention consists in the novel construction and arrangement of parts, as hereinafter described and specifically claimed.

20 Referring to the accompanying drawings, Figure 1 is a vertical sectional view of my improvement in position in a coffee-pot; Fig. 2, a side view of the strainer, and Fig. 3 a perspective view of a detail.

25 A designates the body of the strainer, which is composed of a single piece of metal, bent around so as to form a conical or funnel shaped tube. A groove or bead, *a*, is formed on the interior of the body A a short distance below the top edge of the same, and said top edge is flanged or beaded, as shown at *b*. The two ends of the conical body A lap over one another; but are not soldered or otherwise fastened, the vessel or body A being thereby rendered capable of expansion or contraction in size, so as to accommodate itself to coffee-pots of different diameters.

35 B designates a piece of cloth which is placed over the lower end of the body A, and which serves to retain the coffee therein. This cloth or strainer is held in position (its edges being turned up around the outside of the body A) by means of a metallic spring, C. Said spring C consists of the coiled piece *c*, having its ends overlapping, and the loop *c'*, which is fastened at one of its ends to one end of the coiled piece *c*, its other end passing loosely through an eye or loop, *c''*, on the end of the loop *c'*, the opposite end of the loop *c'* being soldered to the ring *c*. A bead or groove, *d*, is formed upon the body A near its upper edge and below the inner groove, *a*, and the spring C being slid

up over the bead, or into the groove, as the case may be, serves to retain the cloth firmly in position on the body A.

E designates a piece of strong spring-wire which is formed into a ring, and has its ends *e e* bent upwardly at right angles, so as to form handles, by means of which the ring may be contracted. This spring-ring E fits within the mouth of the filter-body A, and rests in the groove *a*, and serves by its elasticity to expand the body A, so as to cause the latter to fit tightly in the coffee-pot to which it may be applied.

The operation of my invention is as follows: The coffee is placed within the body A, and rests upon the cloth B at the bottom of the same. The strainer is placed within the coffee-pot, and is sustained therein by the flange *b*, which rests upon the edge of the mouth of said pot. The spring-ring E presses the walls of the strainer outwardly against the mouth of the coffee-pot, thereby serving to prevent the strainer from collapsing and falling into the pot. It will be observed that the strainer constructed as described may be readily employed in connection with coffee-pots of different diameters, and will always fit snugly therein by reason of its expansibility.

Having described my invention, I claim—

1. In a coffee-strainer, the combination, with the body A, having unfastened overlapping edges, and a bead or groove near its top, of the cloth B, and a spring-ring, C, whereby the said cloth is held in position, substantially as described.

2. In a coffee strainer or filter, the combination, with the body A, having loose overlapping edges, and the spring-ring C, and filtering-cloth B, held in position on the strainer by said ring C; of the spring-ring E, fitting within said body and adapted to expand the same outwardly, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of April, 1885.

WILLIAM D. BROWN.

Witnesses:

L. A. REYNOLDS,
C. A. BARLEY.