

R. H. KUPER.

Coffee-Pot.

No. 126,555.

Patented May 7, 1872.

Fig. 1.

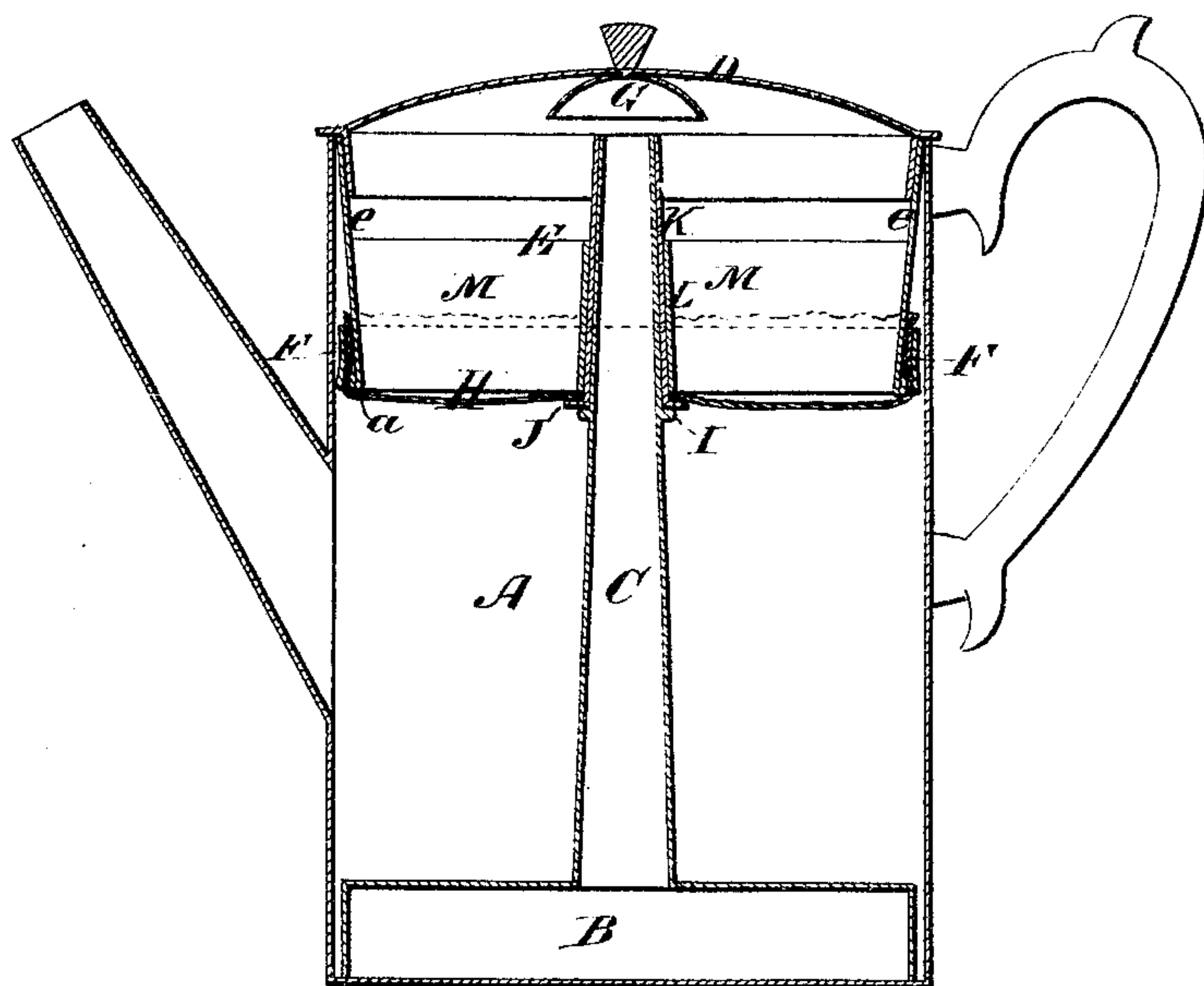
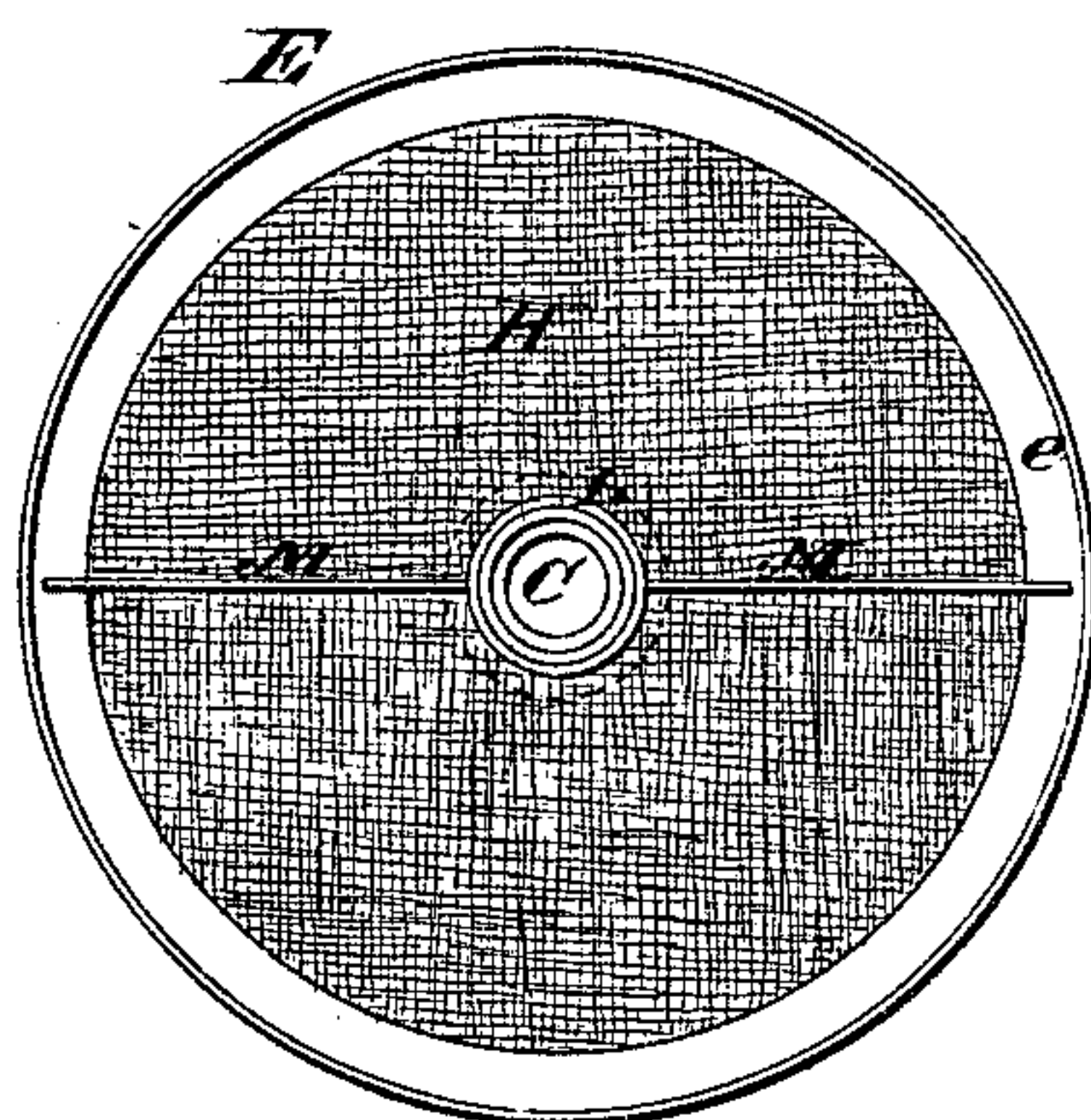


Fig. 2.



Witnesses.

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Inventor.

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UNITED STATES PATENT OFFICE.

RICHARD H. KUPER, OF NEW YORK, ASSIGNOR OF ONE HALF OF HIS RIGHT
TO PETER B. REID, OF LOCKPORT, N. Y.

IMPROVEMENT IN COFFEE-POTS.

Specification forming part of Letters Patent No. 126,555, dated May 7, 1872.

To all whom it may concern:

Be it known that I, RICHARD H. KUPER, of the city, county, and State of New York, have made a new and useful Improvement in Coffee-Pots; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a sectional elevation of a coffee-pot containing my improvement; and Fig. 2, a plan view showing the latter detached.

Similar letters of reference in the accompanying drawing denote the same parts.

This invention relates to that class of coffee-pots in which the ground coffee is held in a straining-vessel in the upper portion of the pot, and acted upon by a current of water forced upward in boiling from the bottom of the pot through a central vertical tube, passing through the bottom of the strainer, by which means it is intended to keep the grounds separate from the infusion. This, however, is found difficult to accomplish, excepting when flannel or other fine cloth is used for the strainer or filter, it being impossible to produce perforated sheet metal of sufficient fineness to prevent minute particles of coffee from passing through. In the application of such a cloth, however, the following difficulties occur, which have prevented its successful employment heretofore: In the first place, the cloth after a while wears out and another must be substituted; in the second place, an aperture must be provided in the cloth for the admission of the central tube, and unless supported around the edge of such aperture it soon bags down, enlarging the opening and letting the ground coffee through; in the third place, when supported around the opening and around its outer edge, the cloth after a while stretches and bags down between the annular supports, and provision must be made for readily tightening it up; and lastly, both supports must be so constructed that the cloth can readily and easily be applied, secured, and removed when necessary. These difficulties being obviated the cloth can be successfully used, and will vastly improve the construction and increase

the usefulness of this class of boilers. My invention consists in a new method of applying and securing said cloth for the purposes referred to, and substantially in the manner which I will now proceed to describe.

In the drawing, A is the coffee-pot, which is of the usual construction, and is provided at the bottom with a removable circular chamber, B, from the center of which rises a vertical tapering tube, C, the same extending nearly to the cover D, which is provided with a deflector, G. E represents the coffee receptacle, which is composed of a tapering ring of sheet metal, *e*, the upper edge of which rests on the corresponding portion of the pot A, its lower edge being provided with an outwardly-projecting bead, *a*, which, in connection with a hoop, F, confines the edge of a circular cloth or filter, H, which constitutes the bottom of the receptacle E. The portions already described do not differ materially from other arrangements for the same purpose, and therefore constitute no part of my invention. The tube C, is provided immediately below the filter H with a bead or collar, I, on which rests the flange J, of a removable tube, K, which latter fits closely the outside of the tube C, and extends to the top of the same, as shown in Fig. 1. L represents a short tube located in the center of the receptacle E, and held in place by two arms or straps M, which extend and are connected to opposite sides of the ring *e*, as shown in Fig. 2. The bottom of the tube L is flush with that of the ring *e*, and its bore is of sufficient size to fit closely over the tube K; consequently its lower end bears upon the outwardly-projecting flange J, and clamps closely the cloth bottom H, which is provided with a central orifice fitting around the tube K, the edges of this orifice being held securely between the edge of the tube L and the flange J. By this means a secure joint is effected between the cloth filter H and the central tube, thus preventing the escape of any of the solid contents of the receptacle E.

The filter may be detached at any time by lifting the receptacle E from the pot, slipping off the hoop F, and removing the short tubular section K.

The deflector G may be simply "struck up" in the cover D, instead of constituting a separate piece.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In combination with the central tube C, having the bead or flange I, I claim the cloth

H, secured at its inner edge between the tubular sections K L and at its outer edge between the inner rings e F, substantially as and for the purposes described.

RICHARD H. KUPER.

Witnesses:

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