

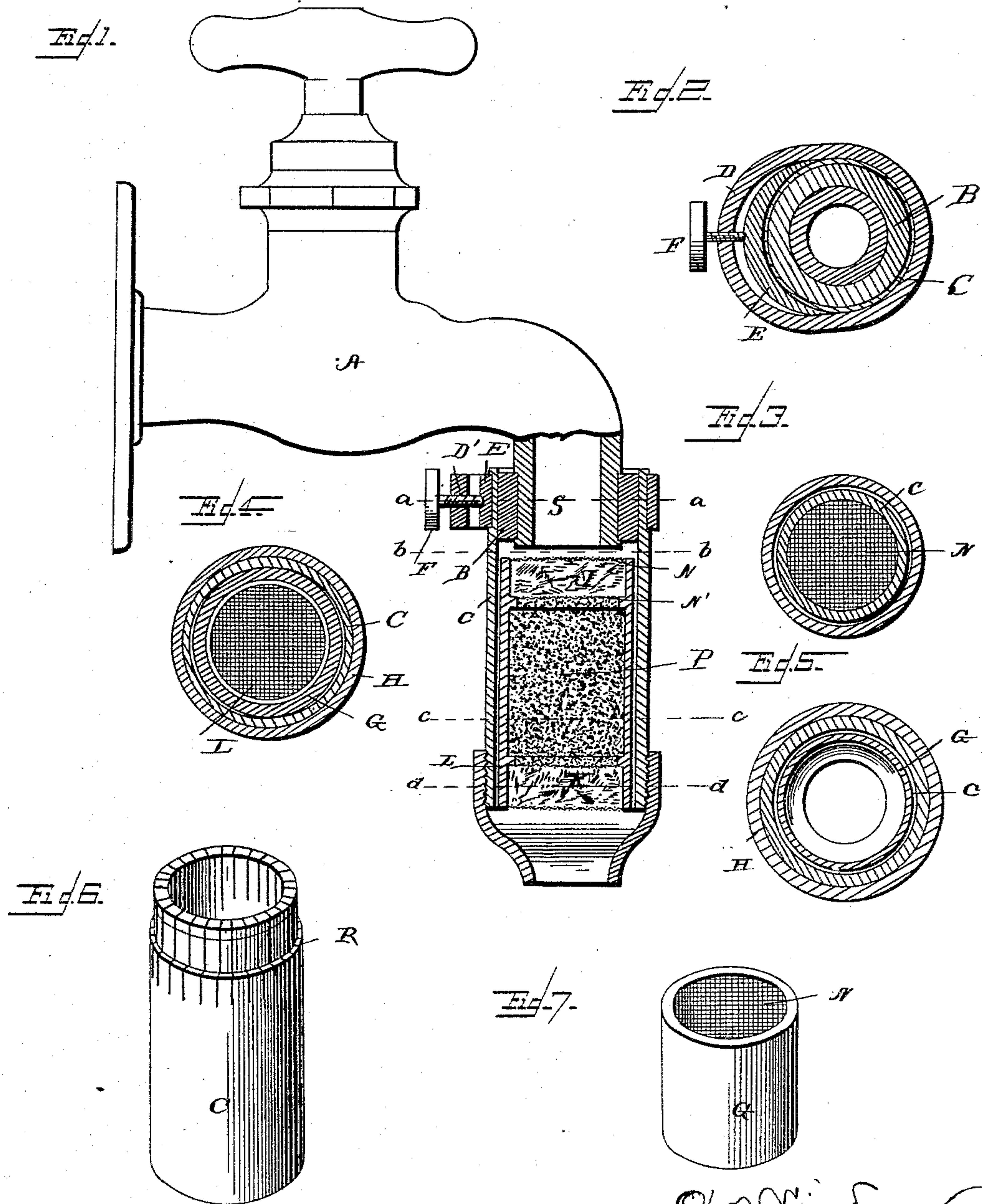
(No Model.)

O. S. LINDON.

WATER FILTER.

No. 325,681.

Patented Sept. 8, 1885.



WITNESSES

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OSMUND S. LINDON, OF SAN FRANCISCO, CALIFORNIA.

WATER-FILTER.

SPECIFICATION forming part of Letters Patent No. 325,681, dated September 8, 1885.

Application filed August 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, OSMUND S. LINDON, a citizen of the United States, residing in the city and county of San Francisco, and State of California, have invented a new and useful Water-Filter, of which the following is a specification.

My invention relates to that class of filters which are attached to the ordinary faucet. It will be more readily understood by reference to the accompanying drawings, in which—

Figure 1 is a side elevation of a faucet, showing the attachment of my improved filter. The filter and the spout of the faucet are shown by a section cut vertically through the center. Fig. 2 is a cross-section cut through the dotted lines *a a*. Fig. 3 is a cross-section cut through the dotted lines *b b*. Fig. 4 is a cross-section cut through the dotted lines *c c*. Fig. 5 is a cross-section cut through the dotted lines *d d*. Fig. 6 is a perspective view of the outside case detached from the other parts, and Fig. 7 is a perspective view of the filter-chamber.

I form the outer case of thin tubing of strong springy metal, around which I turn a slight groove near the upper end, to receive the set-ring D and the crescent clamp E. I also slot the upper end, as shown in Fig. 6, to allow the top to be sprung in and clamp firmly upon the packing B. I form the filter-chamber to fit easily in the outer case, C, and the spout H, I screw onto the bottom or lower end of the case C, as shown in Fig. 1. I form the straining-spaces J and K and the middle filter-chamber, P, by means of the gauze or strainer sheets N, M, L, and O. The chambers J and K, I fill with sponge or other porous material, and the middle chamber, P, I fill with coarsely-pulverized charcoal.

In attaching the spout S of the faucet I place the rubber ring-packing B between the outer case, C, and the spout S. I then place the outer clamp-ring, D, in the groove R, where it fits to about half the circumference of the case C, and by its oval shape it extends back sufficiently to admit the crescent clamp E, which also fits to the opposite half of the groove R, and the set-screw F, being operated, compresses the top of the outer case, C, and the slots in the same allow it to be set firmly upon the packing B, thus making a perfect fit to the spout S. I then insert the filter-chamber G and screw the spout H on to hold it in position.

The filter-chamber G may be readily reversed by taking out and turning end for end and replacing.

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

1. The herein-described filter comprising the chamber G, with end strainer-chambers and the central filter-chamber, P, the outer case, C, having the grooves and slitted ends, the clamping-ring D, the crescent-shaped clamping-ring, and the set-screw adapted to bear against the same, substantially as set forth.

2. In water-filters, the clamping-ring D and crescent clamp E, in combination with the grooved and slotted end of the outer case, C, and the packing B, substantially as and for the purposes set forth.

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Witnesses:

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