M. LEINER.

Filter-Rack.

No. 162,294. Patented April 20, 1875.

Fig: 1.

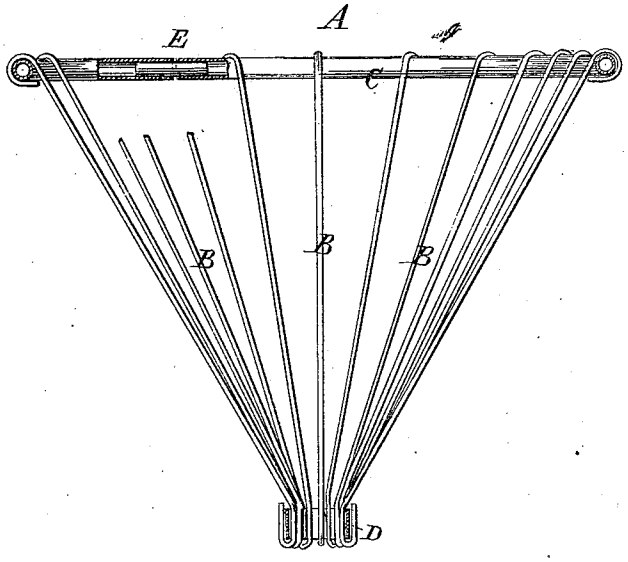
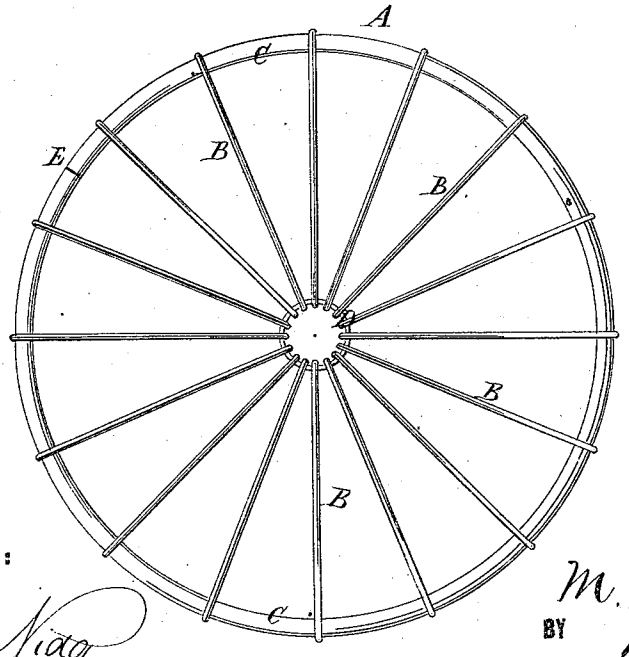


Fig: 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

MORITZ LEINER, OF NEW YORK, N. Y.

IMPROVEMENT IN FILTER-RACKS.

Specification forming part of Letters Patent No. **162,294**, dated April 20, 1875; application filed November 7, 1874.

To all whom it may concern:

Be it known that I, MORITZ LEINER, of the city, county, and State of New York, have invented a new and Improved Filter-Rack, of which the following is a specification:

This invention relates to racks to be placed in funnels for filtering liquids into bottles or other vessels; and consists in making the rack adjustable as to size, and connecting the wires by means of flexible bands, the construction being as hereinafter more fully described.

Figure 1 is a side view of the filtering-rack. Fig. 2 is a view of the top or rim.

Similar letters of reference indicate corresponding parts.

This rack is made in the form of a hollow inverted truncated cone, placed in an ordinary funnel, and used with filtering-paper placed on the inner side, which leaves a space equal to the diameter of the wires of the rack between the paper and the inner side of the funnel for the escape of the air contained in the vessel.

A is the rack; and B represents the wires. C is a flexible band or tube at the top; and D is a flexible band at the bottom, to which the wires B are attached. These bands are preferably made of india-rubber; but they may be made of any suitable flexible material. The upper flexible band C is a tube; and in one end is a pin, which projects, and enters the other end, substantially as seen at E. This allows the ends to be separated, and lapped past each other to vary the diameter, as may be required, to fit funnels of different sizes. This adjustability of the rack is an important feature, and allows it to be used where rigid filtering-racks would be useless.

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

1. A filtering-rack, made so as to be adjustable as to diameter, substantially as described.

2. A filtering-rack consisting of the wires B, flexible tube C, and flexible band D, arranged substantially as shown as described.

MORITZ LEINER.

Witnesses:

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