

M. A. & G. M. RICHARDSON.
Sieve.

No. 205,210.

Patented June 25, 1878.

Fig. 1

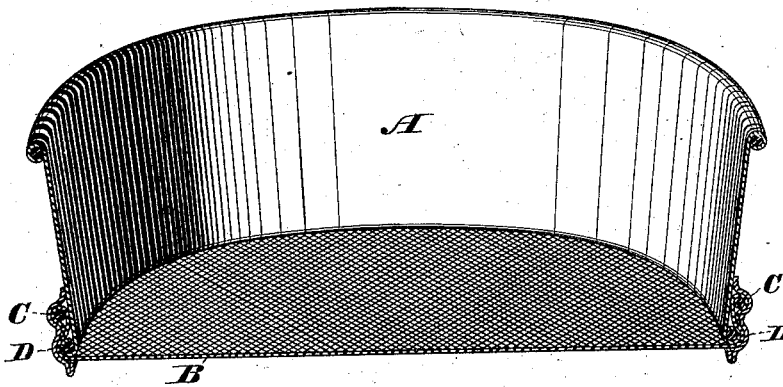


Fig. 2

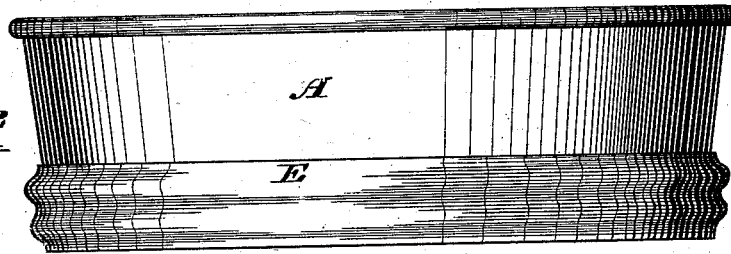
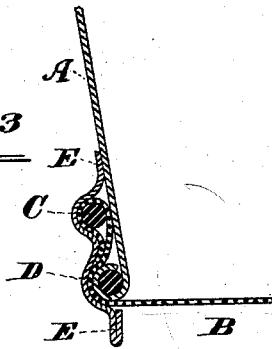


Fig. 3



Attest:

For the Attest
Luzarow A. Mungesheimer

INVENTORS

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Gordon M. Richardson
By Geo. H. Whipple Atty*

UNITED STATES PATENT OFFICE.

MERRICK A. RICHARDSON AND GORDON M. RICHARDSON, OF CHICAGO, ILL.

IMPROVEMENT IN SIEVES.

Specification forming part of Letters Patent No. **205,210**, dated June 25, 1878; application filed May 20, 1878.

To all whom it may concern:

Be it known that we, MERRICK A. RICHARDSON and GORDON M. RICHARDSON, of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Sieves; and we do hereby declare that the following specification, taken in connection with the annexed drawings, forming part thereof, is such full, clear, and exact description of our said invention as will enable others skilled in the art to which it appertains to construct the same.

Our said invention relates to the manner of stretching and attaching the bottom or screen to the hoop forming the sides of the sieve.

In the drawings, Figure 1 is a sectional view, showing the manner of lapping the screen B up onto the outside of the hoop A and the ends of the wires C D, which stretch and hold the screen B. Fig. 2 shows the sieve as completed, with the narrow strip or band E, which covers C D and holds the wire C in position to stretch and hold the screen B firmly in place. Fig. 3 is a detail, showing the lapping of the screen B on the hoop A and about the wire C.

Like letters of reference indicate like parts in the several figures of the drawings.

In constructing our said invention we first make the hoop A. It may be made of tin or sheet metal, or any other suitable material, and should have the wire D fastened around its bottom or lower edge by being bound therein in the usual manner or otherwise, or some other device, which shall form a slight ledge extending clear around its lower edge. The screen B is then formed to fit over the

hoop A and extend a short distance above the wire or ledge D, where it is bent back and pressed down over the wire C, which is thus entirely inclosed by the bending back of the edge of the screen, the said wire being placed over or on the outside of the screen before it is bent back and pressed down. This is shown by Fig. 3 of the drawings. The wire C, with the screen B thus wound about it, now encircles the hoop A just above the wire or ledge D, and the narrow strip or band E is next put on by being fastened at one end and passed through a machine, which turns down the upper edge over the wire C, and at the same time presses the groove or indents the strip down between the wire C and wire or ledge D, forcing the former up, which thereby stretches and holds the screen taut and firm, the strip extending all the way around the hoop A, and being again fastened at the point of starting forms the complete band E, which should extend a little below the hoop A to make the lower rim of the sieve, which is thus completed.

Having thus described our invention and a mode of constructing the same, what we claim, and desire to secure by Letters Patent, is—

In combination with a sieve-hoop, A, having a ledge, D, around its lower edge, a wire, C, attached to the screen-bottom, and a narrow outer band, E, having an inward indentation, all applied substantially as and for the purpose specified.

MERRICK A. RICHARDSON.
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Witnesses:

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