

G. WRIGHT.
Sieves.

No. 145,924.

Patented Dec. 23, 1873..

Fig. 1.

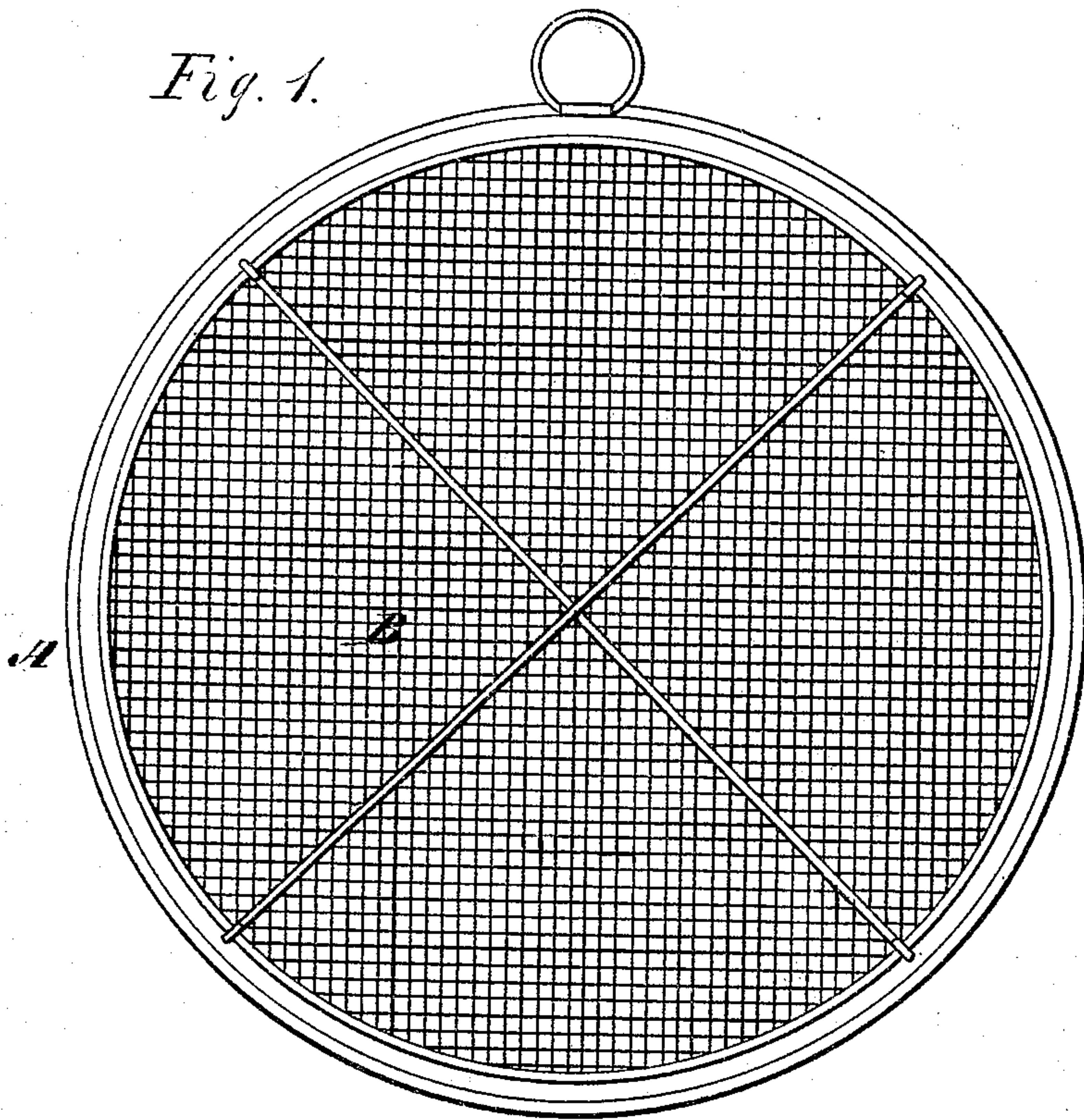


Fig. 2.

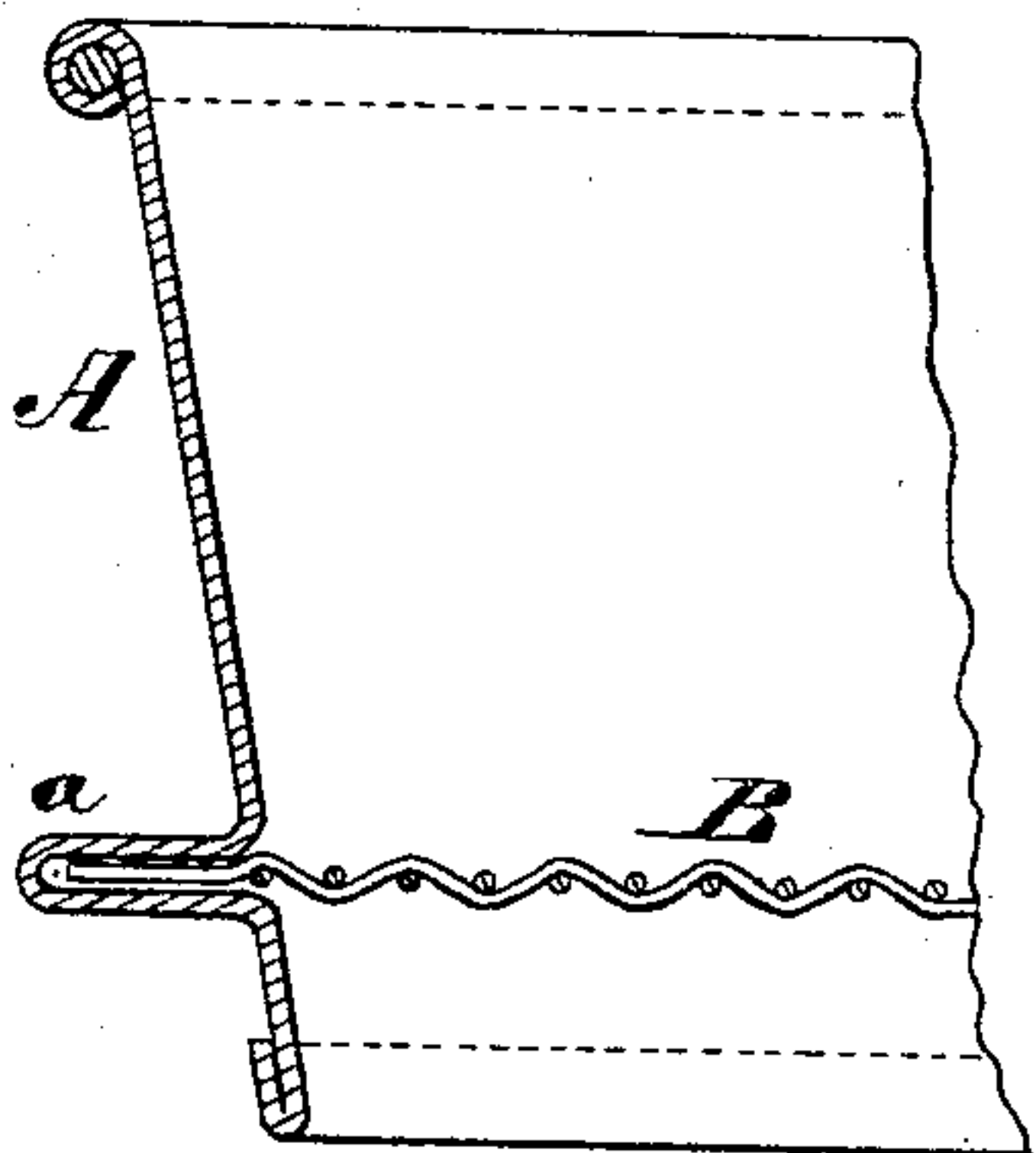
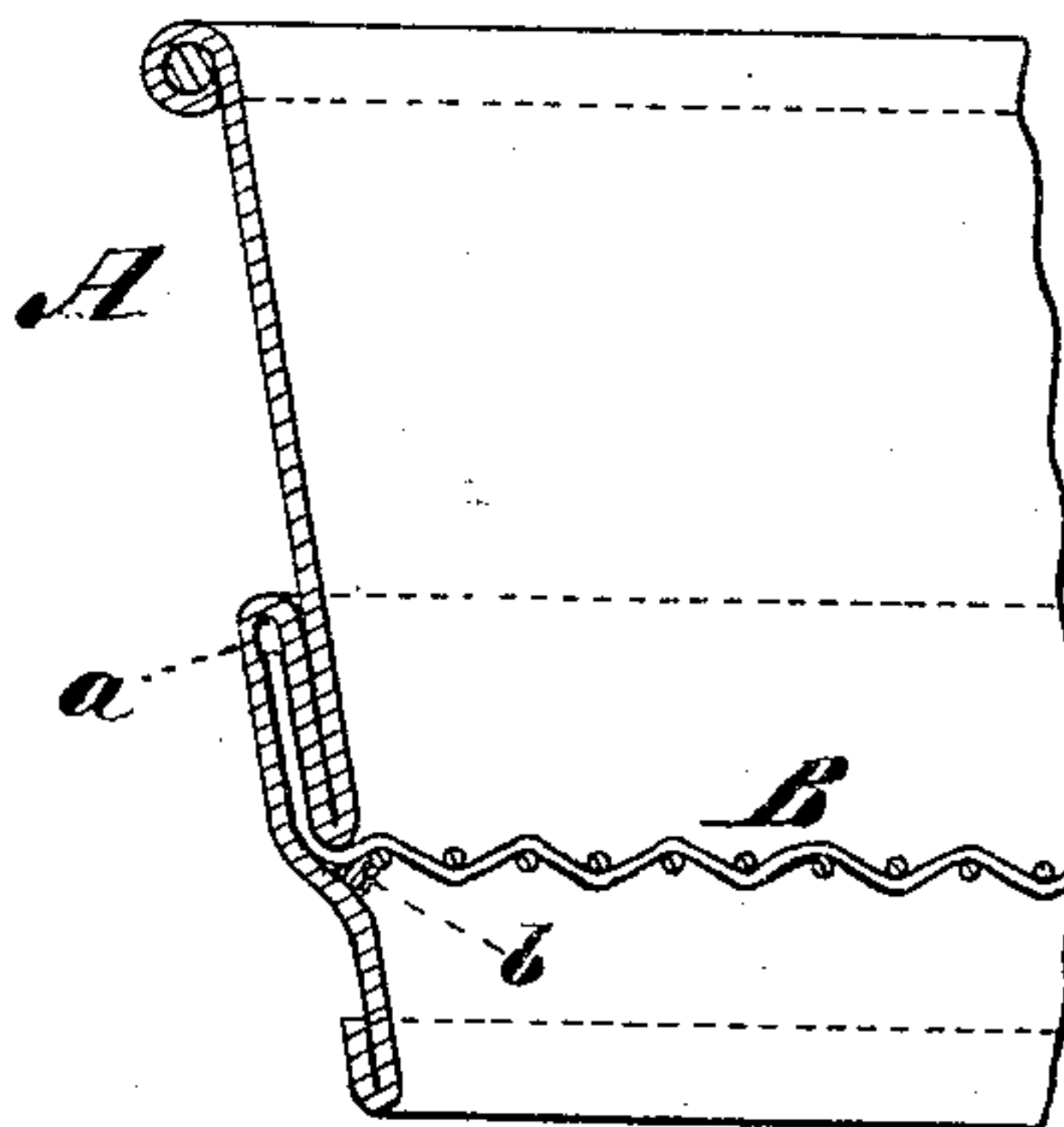


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

GEORGE WRIGHT, OF ST. JOSEPH, MISSOURI.

IMPROVEMENT IN SIEVES.

Specification forming part of Letters Patent No. **145,924**, dated December 23, 1873; application filed October 4, 1873.

To all whom it may concern:

Be it known that I, GEORGE WRIGHT, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and valuable Improvement in Sieves; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my sieves. Figs. 2 and 3 are detail views of the same.

This invention relates to a new and useful improvement in hand-sieves for sifting flour and other substances. It consists in forming a deep annular groove in the hoop of the sieve, and, after inserting the edge of the wire-cloth into this groove, upsetting or lapping the grooved portion of the metal, so as to firmly hold the cloth therein, as will be hereinafter explained.

The following is a description of my improvement:

In the annexed drawings, A represents the circular upwardly-flaring hoop of the sieve, and B is the wire-cloth bottom thereof. I first form a deep groove into the hoop A by upsetting the metal, as shown at *a*, Fig. 2. I then insert the edge of the wire-cloth B into this grooved portion, and, by means of a "setting-down" machine, I press down this portion *a* with the edge of the wire in it, so as to form a close lap or fold, and firmly retain the wire.

The groove is formed entirely around the hoop by pressing the metal outward, so that the lap or fold *a* is outside of the hoop, and presents the appearance of a joint, uniting the upper and lower portions of the hoop. After the edge of the wire is folded into the hoop, as above described, the work is completed by running a little solder into the groove at *b*.

It will be seen from the above that by my mode of first grooving the hoop, and then pressing down the grooved portion, the sieve-wire can be secured into the hoop a sufficient distance above its lower edge to form a wide support, C, for the sieve, composed of the same piece of metal as the hoop itself.

I do not claim, broadly, under this application for Letters Patent, a wire-cloth bottom, B, having its edge inserted into a groove formed in the hoop surrounding it, as this is set forth and claimed by me in my patent dated May 13, 1873, and numbered 139,876. 138,976

What I claim as new, and desire to secure by Letters Patent, is—

The grooved and lapped fold *a*, formed in the hoop A, and holding the edge of the sieve-cloth B above the lower edge of the hoop, and leaving the broad base-support C, as and for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE WRIGHT.

Witnesses:

D. M. FORCE,
JNO. W. WADE.