

J. EPENETER & C. B. GRAHL.

Sieve.

No. 165,083.

Patented June 29, 1875.

Fig. 1

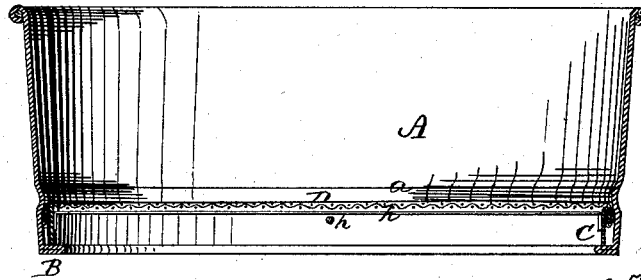


Fig. 3.

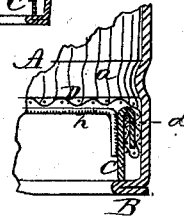
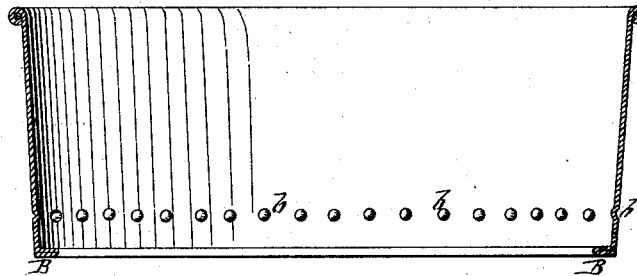


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN EPENETER AND CARL B. GRAHL, OF COUNCIL BLUFFS, IOWA.

## IMPROVEMENT IN SIEVES.

Specification forming part of Letters Patent No. **165,083**, dated June 29, 1875; application filed April 6, 1875.

*To all whom it may concern:*

Be it known that we, JOHN EPENETER and CARL B. GRAHL, of Council Bluffs, in the county of Pottawattamie and in the State of Iowa, have invented certain new and useful Improvements in Sieves; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a loose bottomed round sieve, and is intended as an improvement on the Letters Patent, No. 153,563, granted to Carl B. Grahl, July 28, 1874, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal section of our improved sieve, and Fig. 2 is a section showing a modification in the construction of the outside hoop.

A represents the outside hoop, made of sheet metal, in round and slightly-flaring form. The lower edge of the hoop A is bent inward, and then doubled outward, forming a double flange, B, for supporting the sieve-bottom. A suitable distance above the flange B there is a circumferential bead, *a*, formed on the interior of the hoop A, for the purpose of holding the sieve bottom down in place on the flange B.

In place of one continuous bead, as described, we may use a series of small projections, *b b*, punched from the outside, as shown in Fig. 2, which will answer the same purpose of holding the sieve-bottom down upon the double flange B.

The sieve-bottom is formed of a plain rim, C, and wire-cloth D. The rim C is made of a narrow metal strip, having its outer edge *d* bent over outward and downward. The wire-cloth D is placed on top of this rim, and folded over the outside of the flange *d*, and then bent up between said flange and the body of the rim, and then fastened by pressing the flange down and forming a double fold. The bottom is strengthened by cross-wires *h h*.

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

The removable round sieve-bottom, consisting of the rim C, with the flange *d* bent outward and downward, and the wire-cloth D, fastened therein by a double fold, in combination with the exterior hoop A, provided with flange B and bead *a*, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 8th day of March, 1875.

JOHN EPENETER.  
CARL B. GRAHL.

Witnesses:

L. ZOENWAHLEN,  
F. G. MEYER.