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ROBERT J. MANN

Improvement in Construction of Sieves.

No. 122,728.

Patented Jan. 16, 1872.

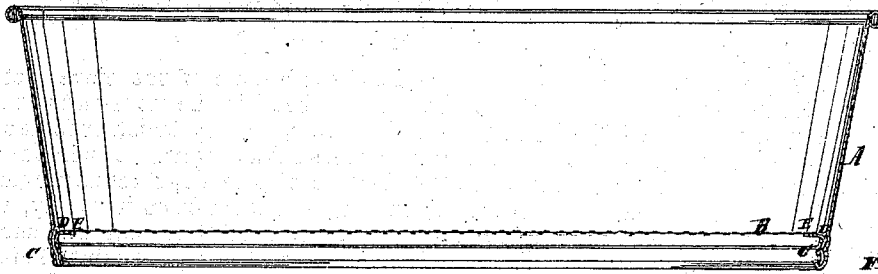


Fig. 2.

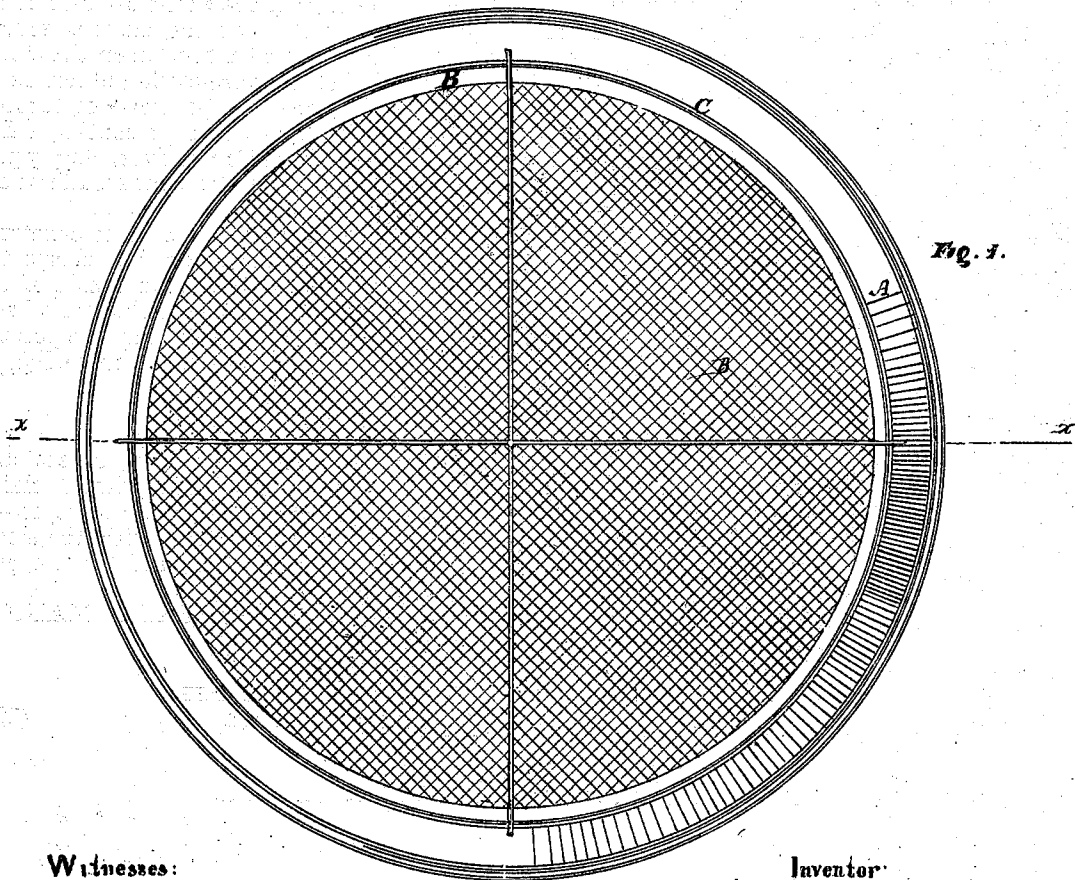


Fig. 1.

Witnesses:

Heintz & Breun.
Francis F. Warner

Inventor

Robert J. Mann

UNITED STATES PATENT OFFICE.

ROBERT J. MANN, OF BURLINGTON, IOWA.

IMPROVEMENT IN CONSTRUCTION OF SIEVES.

Specification forming part of Letters Patent No. 122,728, dated January 16, 1872.

SPECIFICATION.

I, ROBERT J. MANN, of Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Improvement in Metallic Sieves, of which the following is a specification, reference being had to the accompanying drawing which forms a part hereof.

Nature and Object of my Invention.

The nature of my invention consists in presenting a flat or rounded surface below the sieve-cloth just where its edge is turned down to be fastened to secure it to the sieve, instead of having the sieve-cloth rest against the raw edge of the tin, as in my patents heretofore obtained for improvements in metallic sieves. The object of this invention is to prevent the sieve-cloth from being cut or worn, and also to stiffen and strengthen the fastening of the wire-cloth and the body of the sieve.

Description of the Drawing.

Figure 1 represents a bottom view of my sieve, and Fig. 2 a vertical central sectional view taken at *x x* in Fig. 1.

General Description.

A is the metallic hoop forming the body of the sieve, and B is the sieve-cloth. The sieve-cloth is secured to the metallic hoop by turning over the lower edge thereof, and claspings the edge of the wire-cloth and swaging it, as clearly shown in the drawing at C; or it may be secured in any of the ways that I have shown and described in my patents heretofore obtained; but in all these patents the metal that clasps the edge of the sieve-cloth on the

inside of the bottom of the sieve presents an edge at the bend in the sieve-cloth at D, upon which it rests, and by which it is liable to be more or less cut and worn. It will be observed that instead of this edge resting against the sieve-cloth at C it is turned inwardly, as shown at E, and forms a flat or rounding surface beneath the sieve-cloth at that point. This turned-over edge also stiffens and holds the parts that clasp the edge of the wire-cloth more firmly in place, so that when the sieve is roughly handled or a weight placed upon the sieve-cloth the edge of the wire-cloth will not be as liable to be loosened. If, instead of turning the edge at E inwardly and presenting a flat surface, it were turned quite over, simply presenting an oval surface, the same results would be obtained.

The object of my invention is to construct the upper edge of the piece that clasps the edge of the sieve-cloth on the inside of the sieve, so that it shall present a flat or oval surface, to support the sieve-cloth at the point C in a metallic sieve, instead of a raw edge, as heretofore.

Claim.

Having described the nature, object, and construction of my invention, what I claim, and desire to secure by Letters Patent, is—

The edge E, in combination with the sieve-cloth in a metallic sieve, as and for the purposes described.

ROBERT J. MANN.

Witnesses:

FRANCIS F. WARNER,
HEINR. F. BRUNS.

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