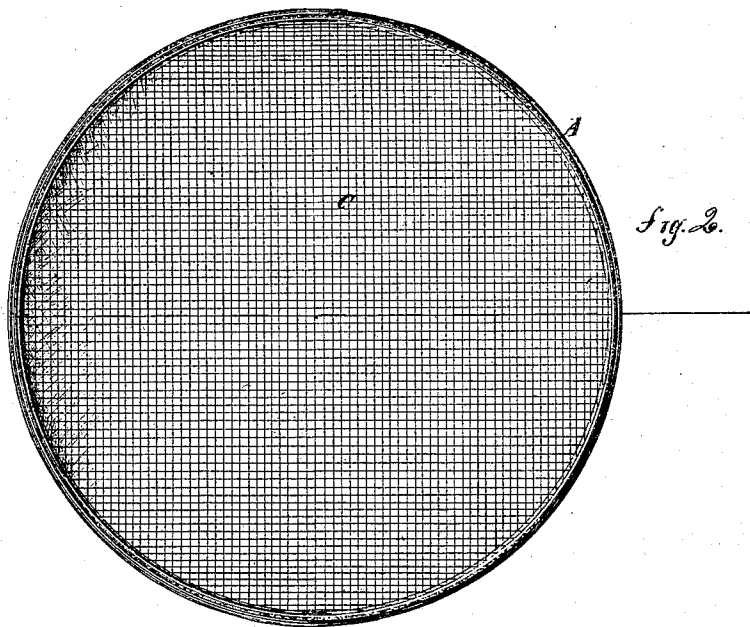
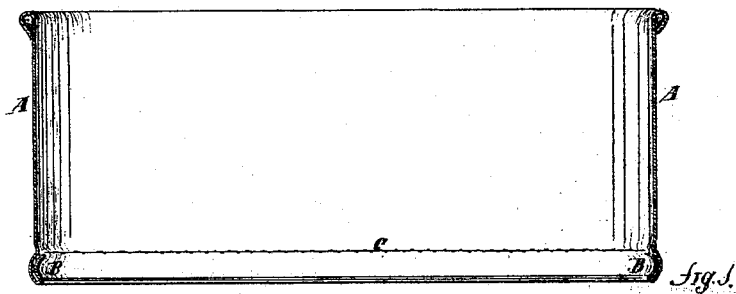


R. J. Mann,

Seive.

No. 106,597

Patented Aug 23. 1870.



Witnesses
Louis L. Coburn
Heinr. F. Bruns

INVENTOR:

Robert J. Mann.

UNITED STATES PATENT OFFICE.

ROBERT J. MANN, OF DALLAS CITY, ILLINOIS.

IMPROVEMENT IN SIEVES.

Specification forming part of Letters Patent No. 106,597, dated August 23, 1870.

To all whom it may concern:

Be it known that I, ROBERT J. MANN, of Dallas City, in the county of Hancock and State of Illinois, have invented a new and useful Improvement in Sieves, of which the following is a specification, reference being had to the accompanying drawing, which forms a part thereof.

The nature of my invention consists in clasp- ing the edge of the sieve-cloth or bottom of the sieve, and fastening it within the metallic hoop by swaging, as hereafter more fully de- scribed, so that the ends of all the wires of the sieve-cloth are firmly clasped and stretched, to give tension and rigidity to the sieve-cloth.

Figure 1 represents a vertical sectional view of my improved sieve, and Fig. 2 a top or plan view of the same.

A is the rim or hoop of the sieve, made of sheet metal, the top edge being turned over a wire to stiffen it and keep it in shape. The lower edge of the rim is turned over, as shown at B. C is the sieve-cloth ordinarily used in sieves. Its edge is placed between the edge turned over at B and the hoop A, and then they are swaged out, as shown, clasping the edge of the sieve-cloth securely, and stretch-

ing the entire sieve cloth, so that it is held in a rigid, firm condition for use. The end of every wire is firmly clasped, so that the break- ing of a part of them does not affect or loosen the other wires.

It will be readily seen that a separate band may be put in at B, instead of turning over the lower edge of the hoop A. It would be held by the swaging. So far as tightening the sieve-cloth is concerned by swaging the fast- ening, it could be accomplished by making a wooden outside hoop, with a groove in it into which the inside band could be swaged, clasp- ing the edge of the sieve-cloth; but the con- struction shown in the drawing is considered to be the best.

What I claim, and desire to secure by Let- ters Patent, is—

The combination of the hoop A and sieve- cloth C, when the edge of the sieve-cloth is clasped within the hoop, and thus fastened by swaging, substantially as and for the purposes specified and shown.

ROBERT J. MANN.

Witnesses:

L. L. COBURN,
HEINR. F. BRUNS.