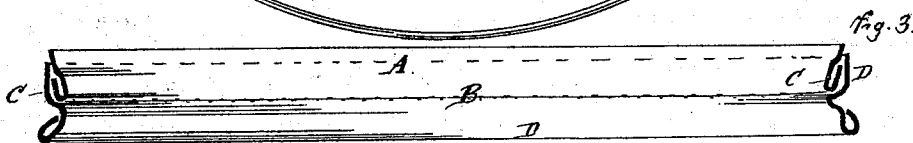
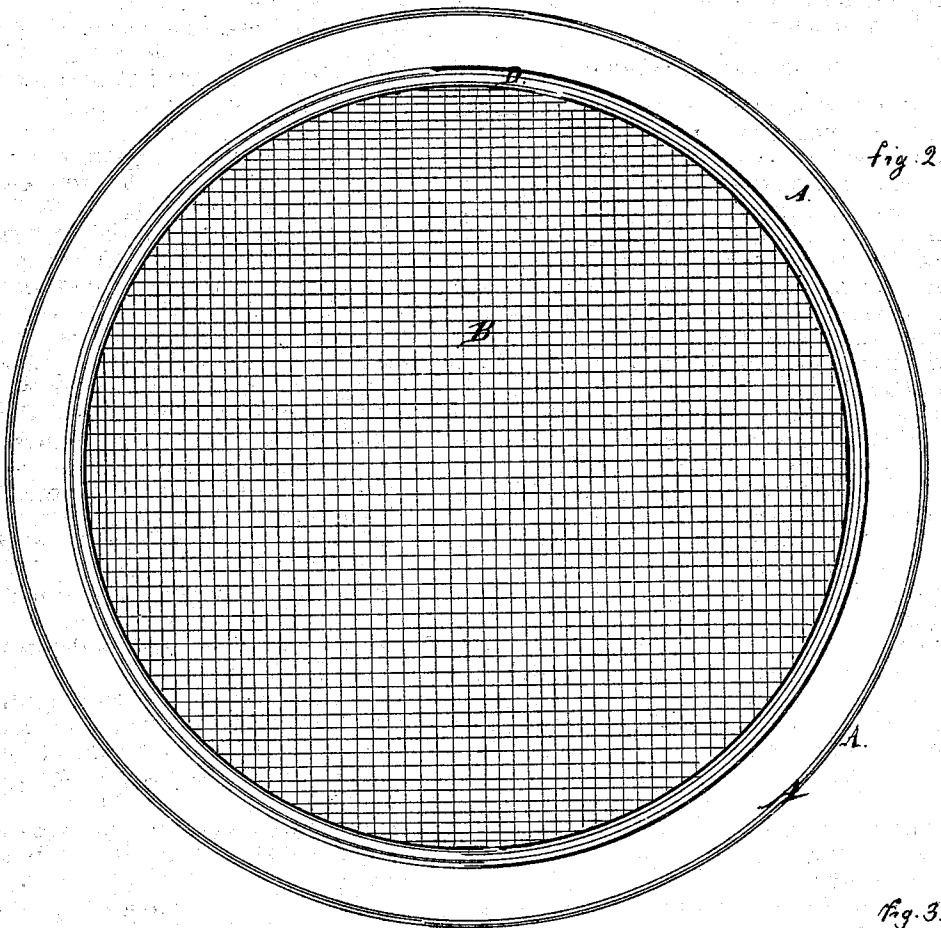
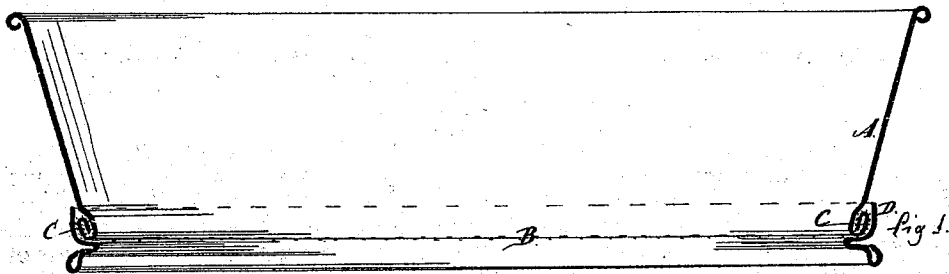


R. J. MANN.

Construction of Metallic Sieves.

No. 135,926.

Patented Feb. 18, 1873.



Witnesses:

Heinr. F. Bruns.
John W. Murray

Robert J. Mann,
Inventor.

UNITED STATES PATENT OFFICE.

ROBERT J. MANN, OF BURLINGTON, IOWA.

IMPROVEMENT IN THE CONSTRUCTION OF METALLIC SIEVES.

Specification forming part of Letters Patent No. 135,926, dated February 18, 1873.

CASE B.

To all whom it may concern:

Be it known that I, ROBERT J. MANN, of Burlington, in the county of Des Moines and State of Iowa, have invented certain Improvements in Metallic Sieves, of which the following is a specification:

Nature of the Invention.

This invention relates to that class of metallic sieves which have a metallic hoop or band with the wire or sieve cloth secured to its bottom, and adapted to family use for sifting meal, &c. The invention consists in the peculiar manner in which the wire or sieve cloth is secured to the bottom of the metallic hoop or band, and in the combination with the same of a separate hoop or band forming a bottom rest for the sieve, and protecting the sieve cloth from wear, as hereinafter fully shown and described.

In the accompanying drawing, which forms part of this specification, Figure 1 represents a vertical central sectional view of the sieve; Fig. 2, a bottom view of the same; Fig. 3, a vertical central sectional view, showing a narrower hoop or band, with a single fold of the bottom of the metallic hoop clasping the edge of the sieve-cloth, instead of a double fold, as shown in Fig. 1.

To enable those skilled in the art to make and use my invention, I proceed to describe the same with particularity, referring in so doing to the aforesaid drawing by the use of letters of reference thereto.

General Description.

A represents the metallic hoop or band of the sieve. B represents the sieve-cloth, made of wire or other suitable material.

To secure the sieve-cloth within the bottom of the metallic hoop or band A the lower edge of said band is turned outwardly, and the edge of the sieve-cloth folded over this outwardly-turned edge of the hoop or band A. This edge

is then folded up and pressed against the body of the hoop or band A, as clearly shown at C in the drawing, firmly securing the edge of the sieve-cloth between the folds of the edge of the metallic hoop or band A.

It will be observed that as the edge of the hoop or band A is folded up, as shown, the sieve-cloth is stretched or strained tight and its edge securely held in place, as above described.

A single fold in the edge of the hoop or band A and in the edge of the sieve-cloth B may be made, as shown in Fig. 3. With this kind of fastening for securing the sieve-cloth to the bottom of the metallic hoop or band A, when the sieve is placed upon a shelf or other similar receptacle it rests upon and wears the sieve-cloth. To protect the sieve-cloth and secure it from being thus worn a separate hoop or band, D, is made sufficiently large to pass over the turned-out edge or fold C, forming a bottom to the sieve, as clearly shown in Figs. 1 and 3 in the drawing.

I do not claim securing together the different pieces of tin in the manufacture of various articles of tin-ware by folding together their edges, forming what is called a single or double seam in the manufacture of such articles; but

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

1. The combination of the metallic hoop or band A and the sieve-cloth B, secured together by the outwardly-turned clasp or fold of their edges C, substantially as and for the purpose specified.

2. The combination of the outwardly-turned clasp or fold C and the hoop or band D, substantially as and for the purpose specified.

ROBERT J. MANN.

Witnesses:

HEINR. F. BRUNS,
JOHN W. MUNDAY.