

H. PENNER.
FLAX-SEED SIEVE.

No. 175,492.

Patented March 28, 1876.

Fig. 1

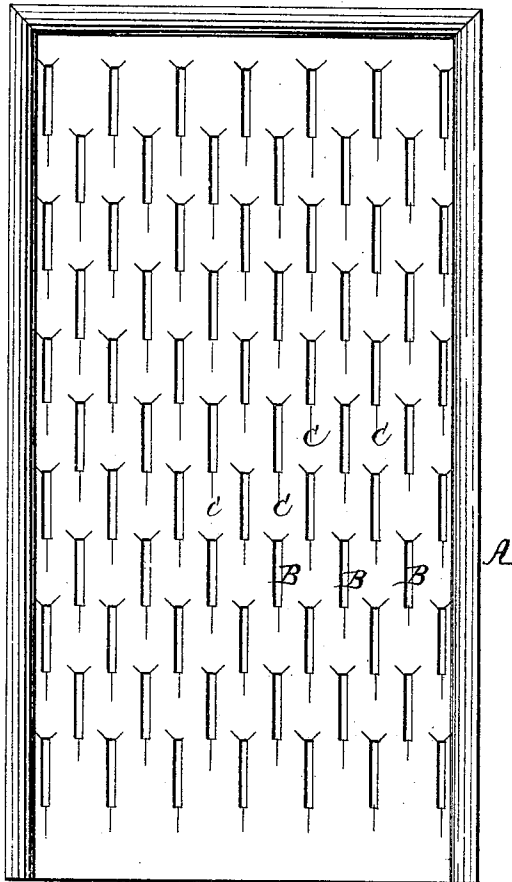


Fig. 2.



Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

HUGH PENNER, OF DE SOTO, KANSAS.

IMPROVEMENT IN FLAXSEED-SIEVES.

Specification forming part of Letters Patent No. **175,492**, dated March 28, 1876; application filed September 18, 1875.

To all whom it may concern:

Be it known that I, HUGH PENNER, of De Soto, in the county of Johnson and in the State of Kansas, have invented certain new and useful Improvements in Sieves for Fanning-Mills; 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 my invention consists in the peculiar construction of the surface and the meshes of a sieve to be used for separating flax from other seeds, either in a thresher or ordinary fanning-mill.

In the accompanying drawings, making part of this specification, Figure 1 represents a plan view; Fig. 2, a longitudinal section, and Fig. 3 a cross-section.

In the figures, A represents a sieve for the separating part of a threshing-machine or for an ordinary fanning-mill, being made in size to suit the machine with which it is to be used. B B represent the meshes of this sieve, being slots made in a metal sheet. The slots are made lengthwise of the sieve and about half an inch apart, and a very little over the length of a flaxseed in length, and in width a very little over the width of a seed. The

spaces C between the slots are made oval, and the slots, consequently, are in the bottoms of the recesses, which are triangular in form, as shown in the drawing. These slots, it will be seen, are made with particular reference to the size of flaxseed, said seed being very thin in comparison to their width and length. The flaxseed with this sieve, of course, passes to the recesses like other seed, but as the slots are peculiarly constructed with reference to the shape of said seed they pass through, while those seed of a different kind and construction pass over and drop off of the sieve.

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

The within-described sieve, formed of sheet metal, and provided with a series of narrow slots, B B, which are formed in triangular depressions below the body of the plate, and forming oval spaces C between the slots, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of August, 1875.

HUGH PENNER.

Witnesses:

W. H. M. FISHBACK,
M. T. GRAHAM.