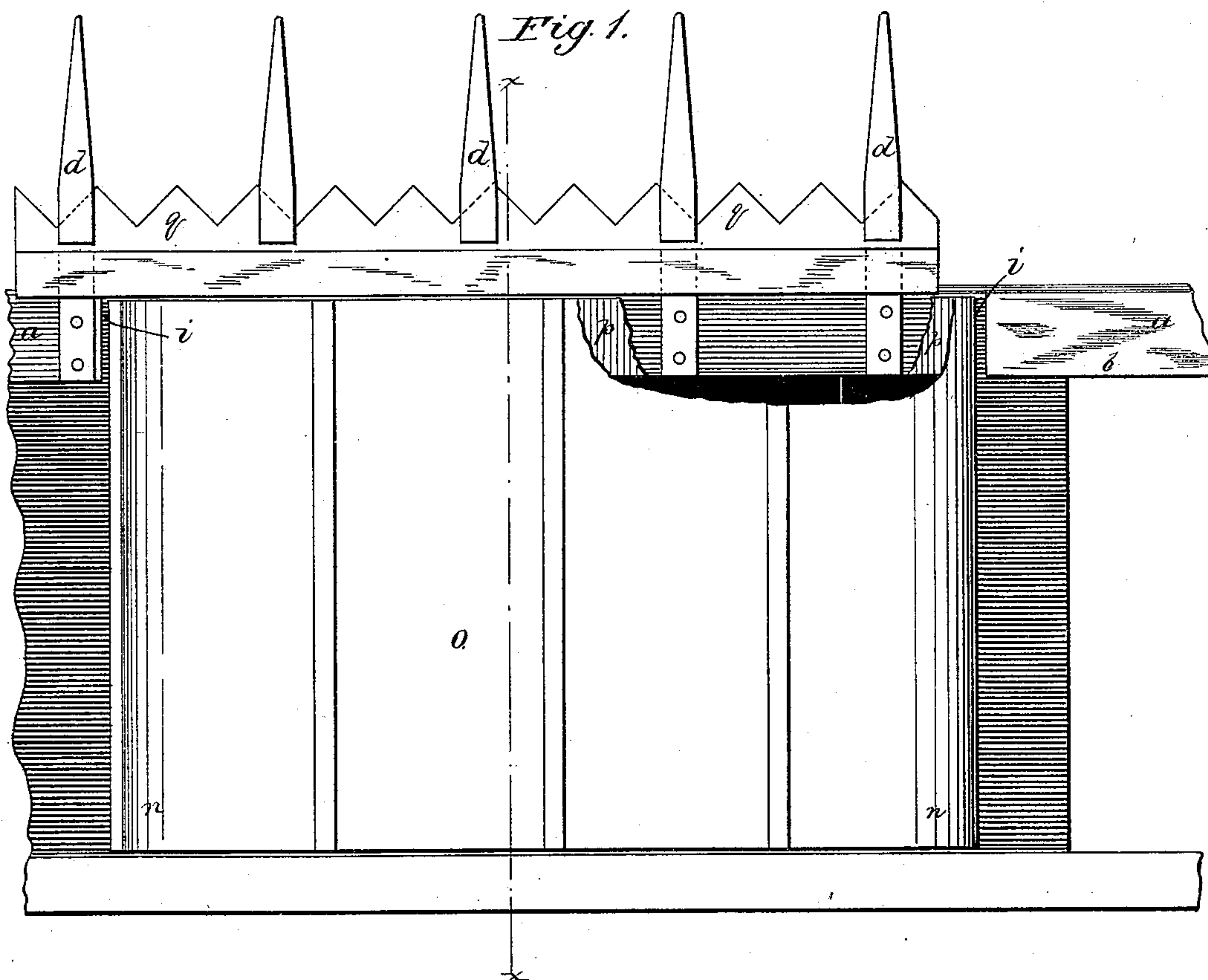


(No Model.)

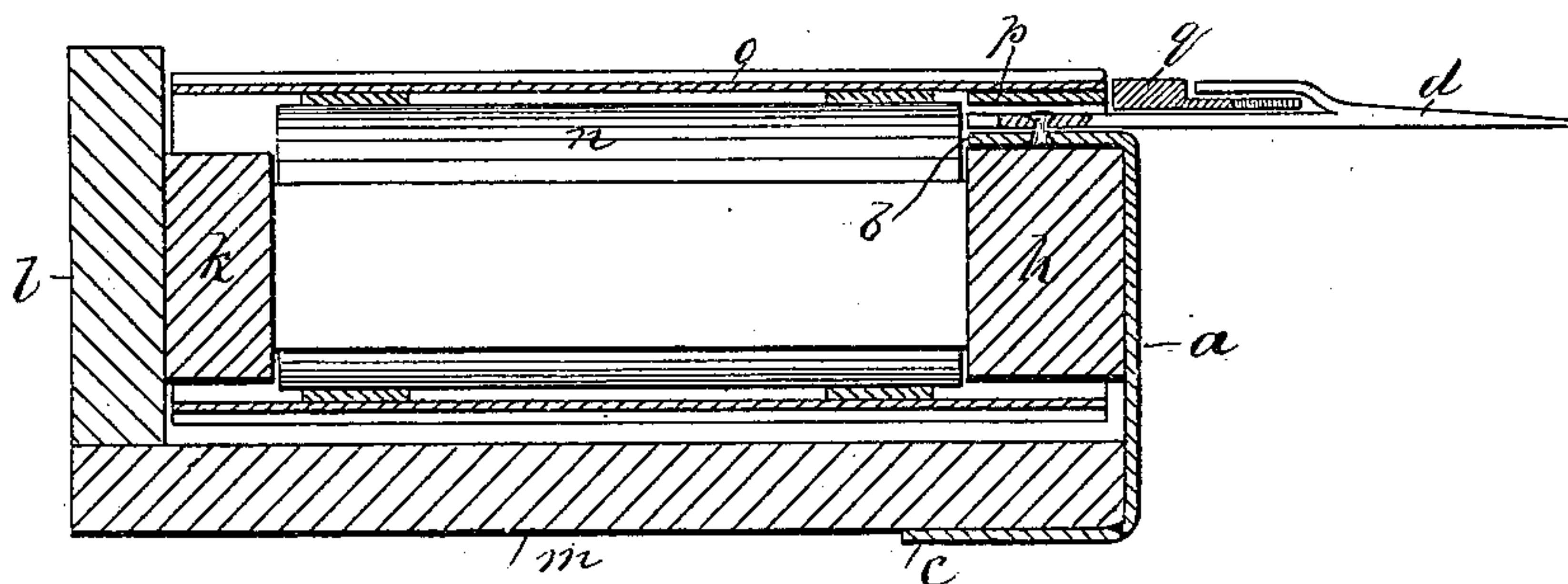
A. D. DAILEY.  
HARVESTER FINGER BAR.

No. 250,504.

Patented Dec. 6, 1881.



*Fig. 2.*



WITNESSES:

*W. W. Hollingsworth*  
*W. Ready*

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BY *Ram & Co*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ABNER D. DAILEY, OF RILEY, INDIANA.

## HARVESTER FINGER-BAR.

SPECIFICATION forming part of Letters Patent No. 250,504, dated December 6, 1881.

Application filed August 17, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, ABNER D. DAILEY, of Riley, in the county of Vigo and State of Indiana, have invented a new and useful Improvement in Finger-Bars for Harvesters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of my improvements in finger-bars for harvesters. Fig. 2 is a transverse section of the same on line *xx* of Fig. 1.

My invention relates to improvements in the finger-bars of that class of harvesters in which the cut grain falls upon an endless belt or carrier in rear of the cutters, which belt conveys the cut grain to an elevator, and thence to a grain-binder.

In this class of harvesters as now constructed the endless belt or carrier is arranged above the cutter-bar, and has its front edge a short distance in rear of the cutter-bar, whereby an open space is left between the endless belt and the back of the cutter-bar, into which short grain and cut weeds fall, causing the loss of the short grain and the clogging of the belt by the weeds and short grain winding around the belt-rollers.

To remedy these defects is the object of my invention; and to these ends it consists of a finger-bar composed of a metallic plate bent so as to form upper and lower horizontal flanges parallel with each other, the frame of the endless belt being secured between the flanges and the fingers bolted to the upper flange, which upper flange is also provided with slots for the passage of the endless belt in its revolution, whereby the outer edge of the endless belt revolves in contact with the back of the cutter-bar, and the upper face of the belt is flush with the cutter-bar and carries the butts of the wheat as fast as the heads, thus bringing the stalks straight to the elevator.

In the accompanying drawings, *a* represents a metallic plate having its sides bent or folded over, so as to form the upper and lower flanges, *b c*.

*d d* represent fingers bolted to the upper face of the upper flange, *b*, and projecting beyond the finger-bar in the usual manner.

*h* represents the front longitudinal bar of the belt-frame, lying in the opening between the flanges of the metallic plate *a* and bolted thereto, and extending between the slots *i i*,

made in the upper flange, *b*, of the metallic plate *a*, for the passage of the endless belt.

*k* represents the rear longitudinal bar of the belt-frame parallel to the front bar, *h*, and secured to the longitudinal bar *l*, to the lower edge of which is bolted the bottom board, *m*, the opposite side of which rests on the lower flange, *c*, of the metallic plate *a* and is bolted thereto.

*n n* represent rollers journaled in the longitudinal bars *h k* near their ends, so that their peripheries lie opposite the ends of the bars and in alignment with the slots *i i*, through which the endless belt *o* surrounding the rollers passes in its revolution. Motion is imparted to one of the rollers in the ordinary manner.

*p* represents a cap-plate lying over the inner ends of the fingers and extending from one slot to the other of the upper flange, *b*, of the plate *a*, and secured thereto at its ends. The cap-plate *p* serves as a support for the endless belt *o* in its revolution, and holds it flush with the upper face of the cutter-bar.

*q* represents the cutter-bar, caused to reciprocate between the fingers in the usual manner, the outer edge of the endless belt lying in contact with the back edge of the cutter-bar and the upper faces of the endless belt and cutter-bar being flush with each other. By this construction no space is left, as in the usual construction, for the passage of short grain and weeds into the belt-frame, and every thing cut is carried forward by the belt. The butts of the grain also fall on the belt first, and the stalks are conveyed straight to the binder.

I claim as my invention—

The combination, with the finger-bar composed of the plate *a*, provided with the lower flange, *c*, and upper flange, *b*, having fingers *d* and slots *i i*, of the cap-plate *p*, extending between the slots, and belt-frame *h k* bolted to the plate *a*, and extending between the slots *i*, and carrying the rollers *n* at each end in alignment with the slots, whereby the outer edge of the belt is adapted to revolve in contact with the back face of the cutter-bar, and the upper faces of the belt and cutter-bar are flush with each other, substantially as described.

ABNER D. DAILEY.

Witnesses:

HENRY McCABE,  
ABRAHAM GLICK.