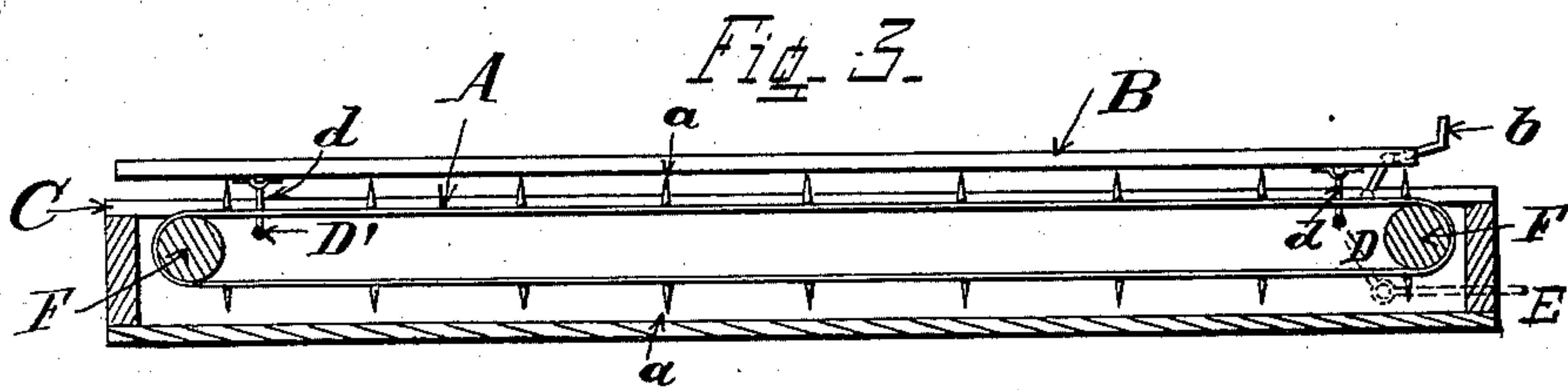
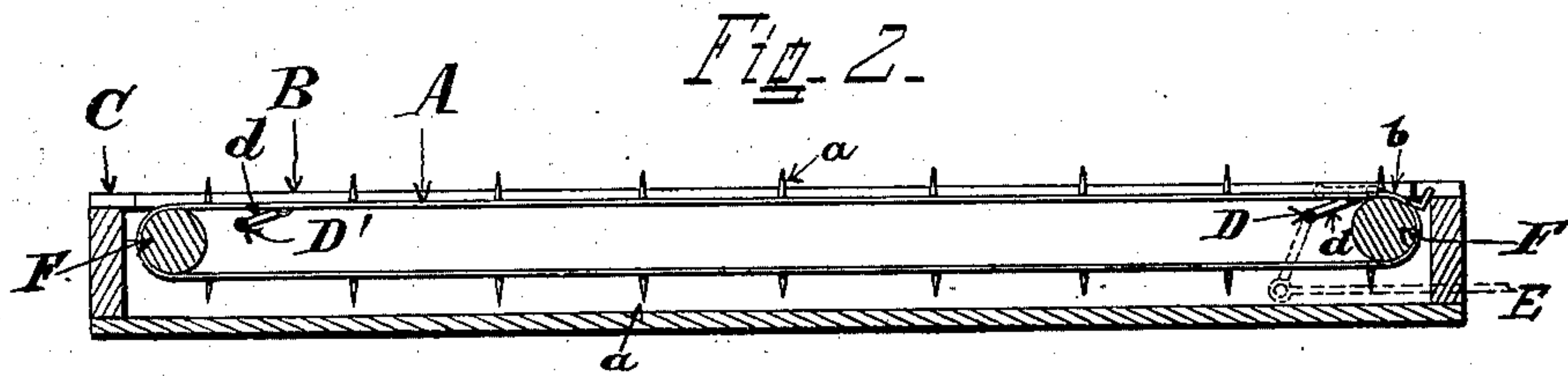
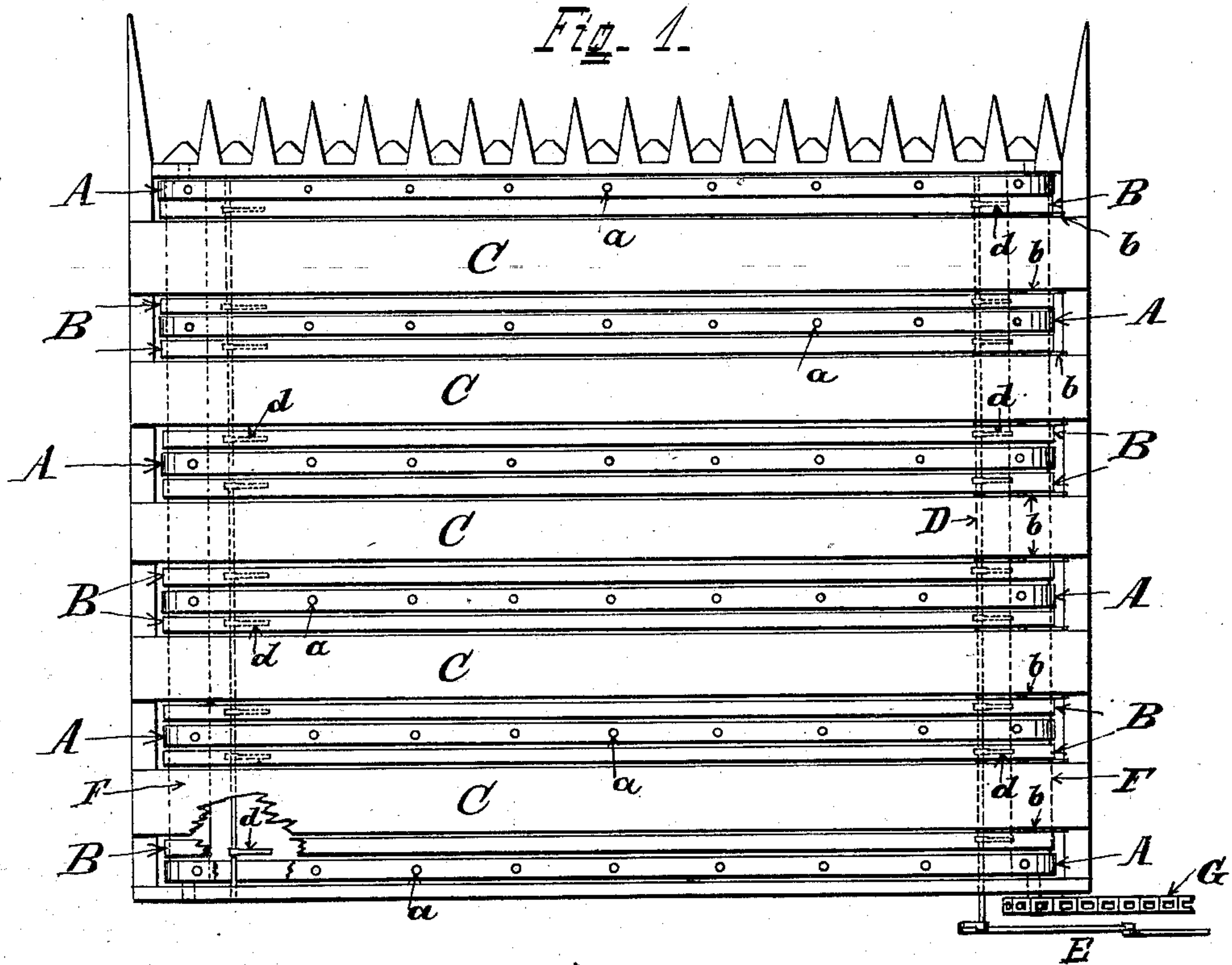


(No Model.)

J. GARRARD.
PLATFORM FOR HARVESTERS.

No. 316,957.

Patented May 5, 1885.



Attest
Carl Spengel
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Inventor
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UNITED STATES PATENT OFFICE.

JEPHTHA GARRARD, OF CINCINNATI, OHIO.

PLATFORM FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 316,957, dated May 5, 1885.

Application filed December 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, JEPHTHA GARRARD, of Cincinnati, Hamilton county, State of Ohio, have invented a new and useful Improvement

5 in Platforms for Harvesters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

10 Figure 1 is a top view of my platform. Fig. 2 is a vertical section of my platform, showing the bars below the line of the surface of the endless bands. Fig. 3 is a vertical section of platform, showing the bars above the

15 line of the surface of the endless bands. Similar letters of reference in the several drawings denote the same parts.

My invention relates to the platforms of harvesters, and more especially to harvesters

20 to which automatic binders are attached; and it consists in the combination of an endless carrying-band and a reciprocating bar that is caused to rise above and fall below the endless band at stated intervals.

25 Reference being had to the accompanying drawings, A A are endless bands, which may be furnished with teeth *a a*. B B are bars or strips of wood hinged by the hinge-pieces *d d* to the shafts D and D'. Shaft D at one end

30 of the platform is connected to the pitman E and actuated by it. Shaft D' is journaled to the frame. Shaft D' may be dispensed with, and the ends of bars B B be forced up an incline to the desired height. Boards C C may

35 be used, if desired, to fill up the spaces between the endless bands not needed for the operation of the bars B. The bands may be used without teeth thereon attached, and be of such width as to render the boards C C unnecessary. In this case the platform would

40 consist of endless aprons and the said bars. The pitman E is actuated in the usual way by

the main wheel of the harvester. The endless bands A A are run upon the pulleys F in the usual way. The bars B B at the inner or delivery side are furnished with the hooks *b b*, which may be fixed or arranged to rise and fall with the motion of the bars. As shown, they are arranged to move.

The operation of my invention is as follows: 50 The cut grain falls on the endless bands A A, the bars B B being below the bands, until enough grain has fallen and been carried to the delivery to form a gavel. At this time the bars B B are raised to their position above 55 the endless bands A A by movement of pitman E, and lift the grain off the said bands, and also receive the falling grain, thus allowing the bands to run free of grain, so that during the time required to dispose of the delivered gavel, 60 by binding or otherwise, no grain is coming to the delivery of the platform. As soon as the gavel is disposed of, the bars are brought to their position below the bands, and the bands carry the grain over to the delivery to form 65 another gavel. The hooks on the bars, as the bars rise, serve to separate the grain on the platform from the grain already carried to the delivery by the endless bands. In this way a clean or separate gavel is secured and presented at the delivery end of the platform. 70

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

In a grain-platform for a harvester, the combination of the bands A, the bars B, the hooks *b*, and the pitman E, substantially as described. 75

The foregoing specification of my invention signed by me this 11th day of December, A. D. 1883.

JEPHTHA GARRARD.

Witnesses:

EDWIN J. FRANKS,
MATTHEW J. G. DOUGHERTY.