

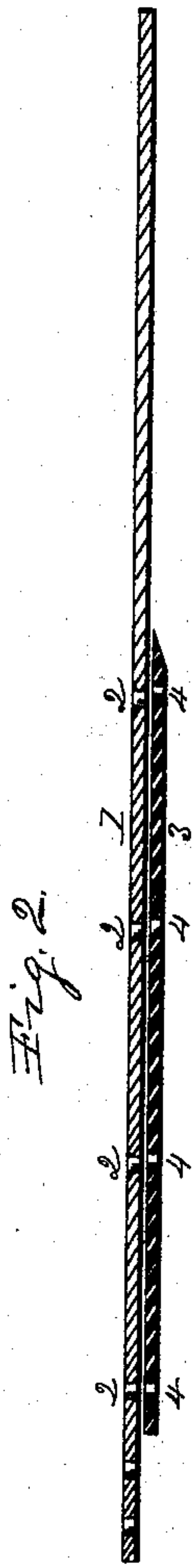
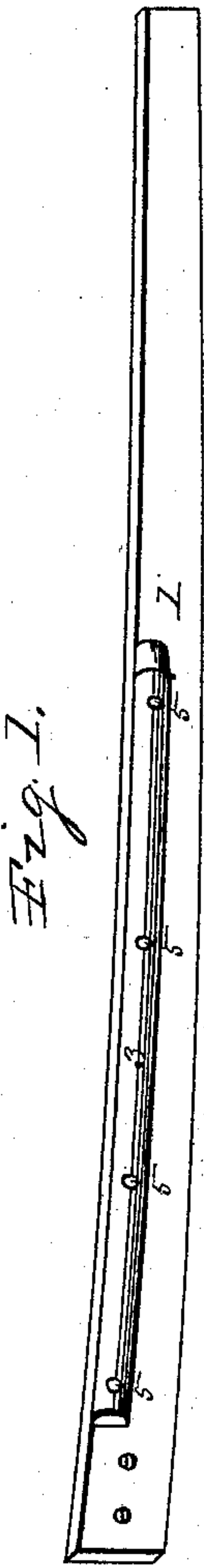
(No Model.)

L. D. MINNICK.

FINGER BAR.

No. 388,705.

Patented Aug. 28, 1888.



Witnesses.
Evans Blake.
A. O. Rehel.

Inventor.
Lorenzo D. Minnick,
Per Jacob Rehel,
Atty.

UNITED STATES PATENT OFFICE.

LORENZO D. MINNICK, OF ROCKFORD, ILLINOIS.

FINGER-BAR.

SPECIFICATION forming part of Letters Patent No. 388,705, dated August 28, 1888.

Application filed July 7, 1887. Serial No. 243,641. (No model.)

To all whom it may concern:

Be it known that I, LORENZO D. MINNICK, a citizen of the United States, residing in the city of Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Finger-Bars, of which the following is a specification.

This invention relates to finger-bars of harvesting-machines. Its object is to prevent the upward curvature of the finger-bars in harvesting-machines in which a counter-balance to the free end of the cutting apparatus is employed at the heel or shoe end thereof.

It consists in a rib fixed to the underside at the rear edge of the shoe-end portion of the finger-bar.

In the accompanying drawings, Figure 1 is an isometrical under face representation of a finger-bar embodying my invention. Fig. 2 is a lengthwise vertical section of the parts on a line through the holes to receive the rivets, and Fig. 3 is a lengthwise vertical section of the complete bar on a line cutting the rivets employed to connect the parts centrally.

The main portion 1 of the finger-bar is of the usual taper form in width and of equal thickness. Holes 2 are made in the shoe-end portion of the finger-bar at suitable intervals near its rear edge and about equidistant therefrom.

A rib, 3, preferably of semicircular, oval, or D form in cross-section, is provided with holes 4 of the same size as the holes 2 in the finger-bar; but the spaces between the holes in the rib are slightly greater than the corresponding spaces between the holes in the finger-bar.

The rib is fixed in place on the under face at the rear edge of the finger-bar by rivets 5, driven into the corresponding holes in both the rib and finger-bars, and riveted to secure them to each other.

The rivets employed are conveniently pointed, so as to enter the holes in the adjacent bar to the one in which they are first inserted, and as they are forced home will draw the finger-bar down into close contact with the rib, and in so doing will slightly curve the same because of forcing the holes which are farther apart as nearly as possible into alignment with those which are nearer together. Thus when the bar is in working position in the machine and supported by a counter-balance connected therewith at its shoe end, the bar which is normally curved will now, because of the downward swing of its free end, present a plane to the cutter.

The gist of my invention lies in the normally-curved bar held in its curved form by the rivets extending through it and through the binding-bar and rib.

I claim as my invention—

The combination, with the finger-bar, of the rib fixed to the under face of the bar, the said finger-bar and rib being provided with rivet-holes, the rib having its rivet-holes farther separated than the holes in the finger-bar, whereby the bar is retained in its curved form, substantially as set forth.

LORENZO D. MINNICK.

Witnesses:

JACOB BEHEL,
WILLIS M. KIMBALL.