

(No Model.)

G. JERNBERG.
FINGER BAR FOR MOWERS.

No. 413,755.

Patented Oct. 29, 1889.

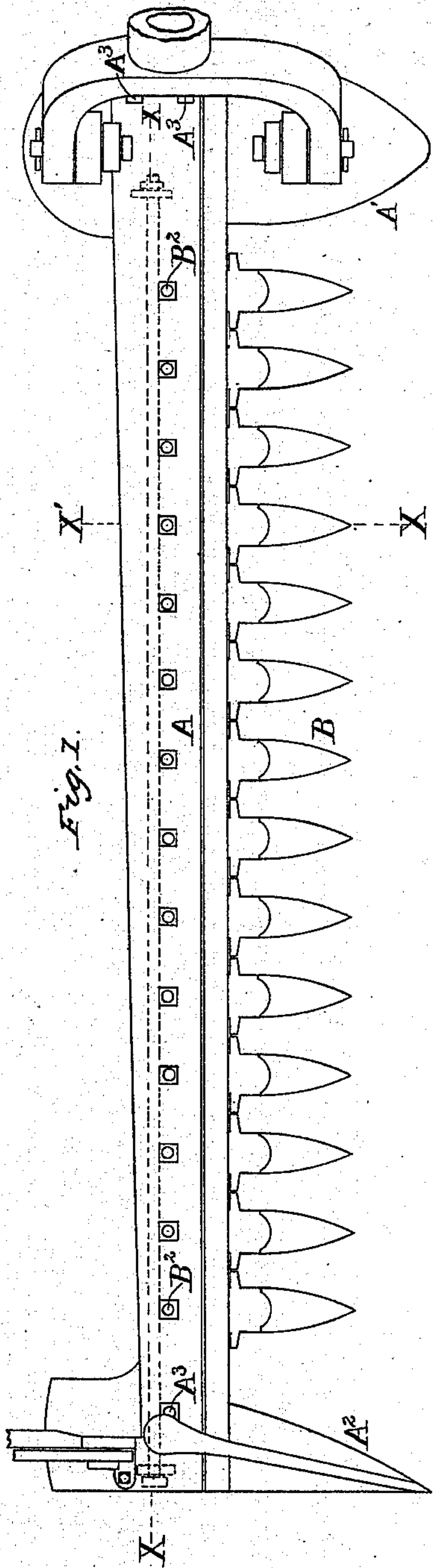


Fig. 1.

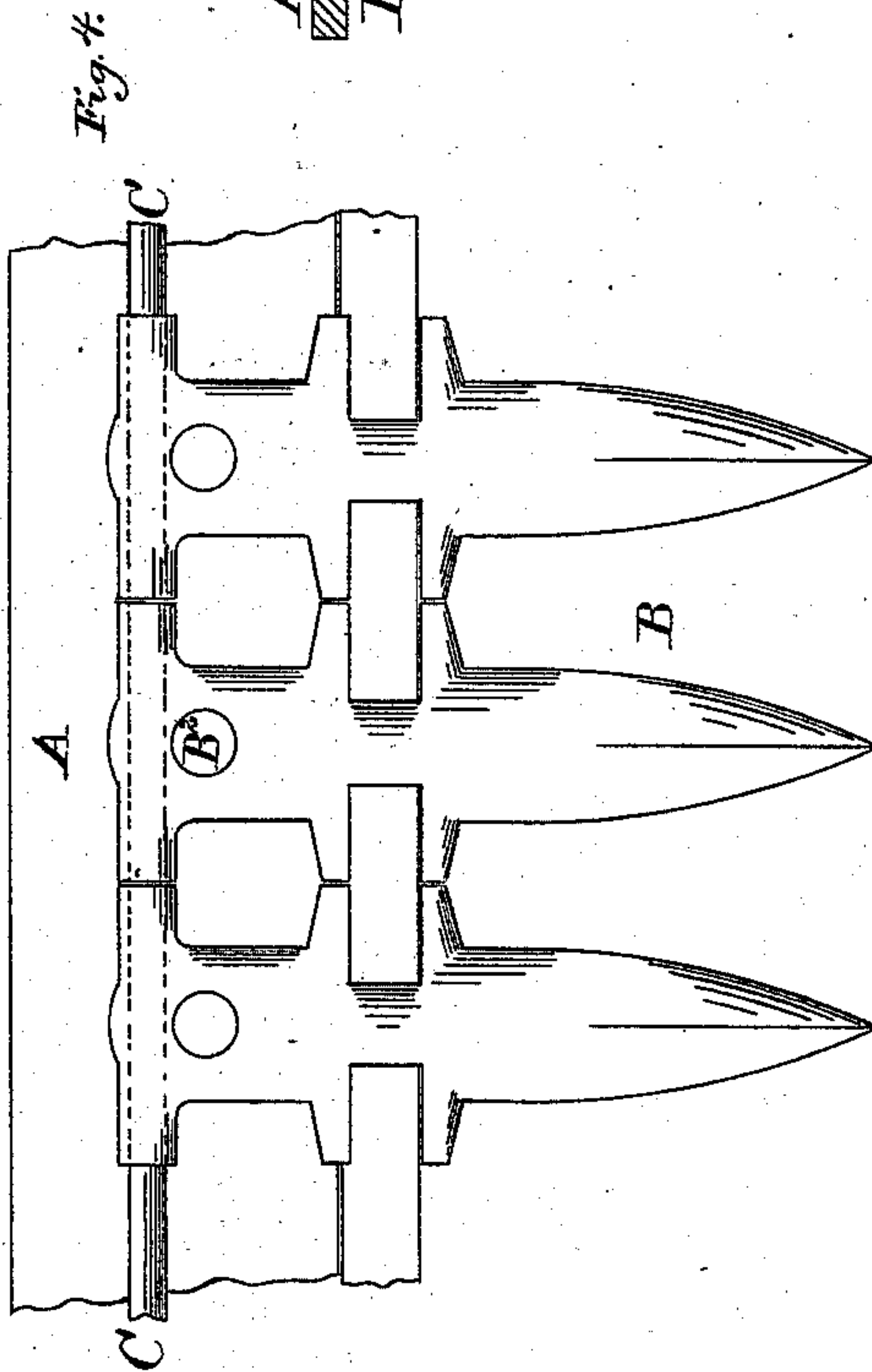


Fig. 4.

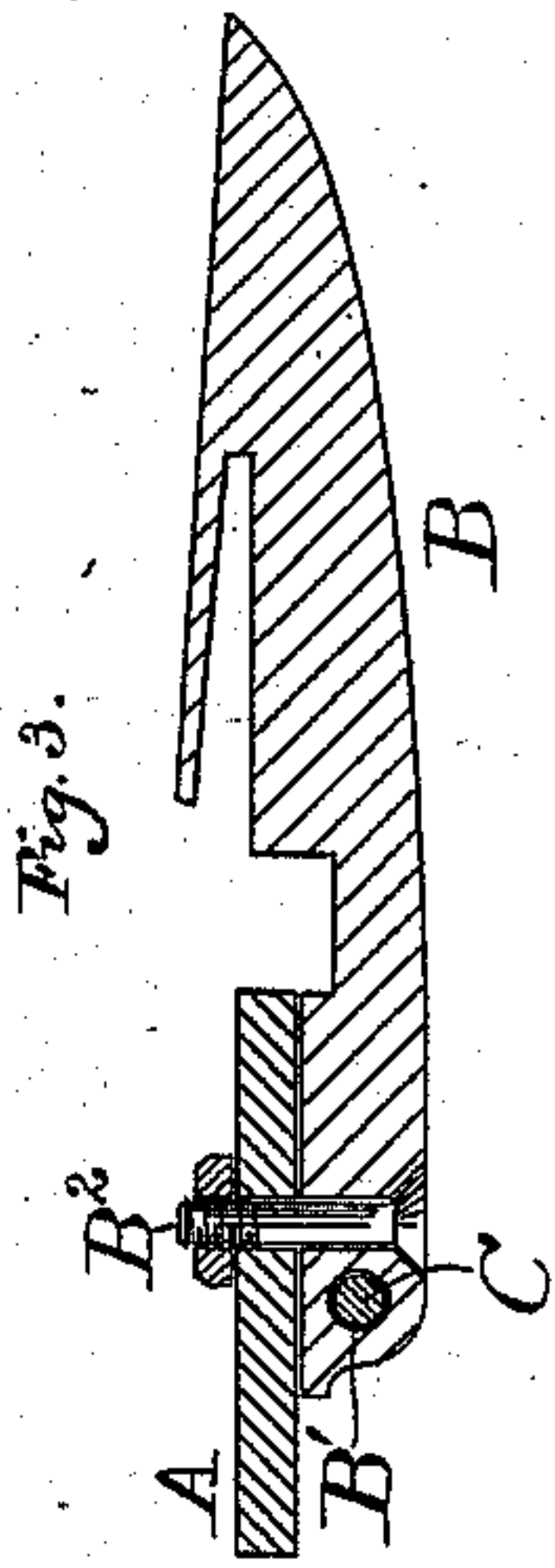


Fig. 3.

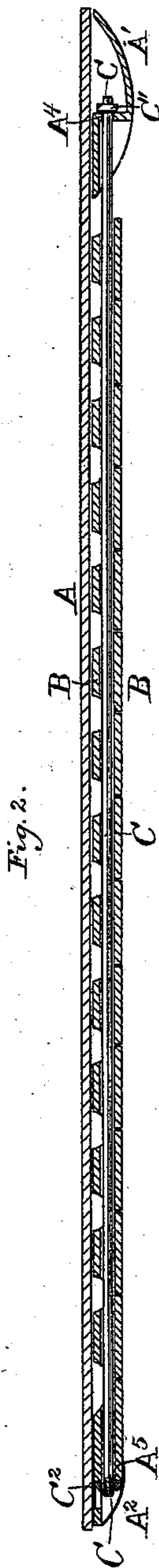


Fig. 2.

Witnesses:

Edw. H. Becker.
E. F. Dowling.

Inventor:

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per L. L. Morrison
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UNITED STATES PATENT OFFICE.

GUSTAF JERNBERG, OF ROCKFORD, ILLINOIS.

FINGER-BAR FOR MOWERS.

SPECIFICATION forming part of Letters Patent No. 413,755, dated October 29, 1889.

Application filed July 25, 1889. Serial No. 318,664. (No model.)

To all whom it may concern:

Be it known that I, GUSTAF JERNBERG, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Finger-Bars for Mowers, of which the following is a specification.

The object of this invention is the production of a rigid finger-bar for mowers—that is, a finger-bar that will not bend upward when suspended by an inside shoe, nor bend downward when the outer end thereof is in contact with the earth and the inner end in suspension.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is a plan view of a finger-bar provided with my improvements. Fig. 2 is a view of a longitudinal vertical section, at the dotted line X X of Fig. 1, of the finger-bar, its guards, and shoes. Fig. 3 is a view of a transverse vertical section, at the dotted line X' X' of Fig. 1, of the finger-bar, a guard, and the truss-rod thereof. Fig. 4 is an under side view of a fragment of the finger-bar with guards secured thereto.

Like letters of reference indicate corresponding parts throughout the several views.

A is a finger-bar.

A' A² are inside and outside shoes, of any suitable form and construction, rigidly connected with the finger-bar A by means of bolts A³, and depending below the same to provide means of attachment for the ends of the truss-rod, to be described hereinafter.

B are guards so constructed as to laterally abut against each other when bolted upon the finger-bar A.

B' are transverse openings extending through the guards B.

B² are bolts securing the guards B to the finger-bar A.

C is a truss-rod passed through the transverse openings B' in the guards B and A⁴ A⁵ in the inside and outside shoes A' A².

C' C² are nuts applied to the ends of the truss-rod C to tighten the same.

I am aware that different means have been employed, with more or less success, to prevent finger-bars from crowning or bending upward when suspended from their inner ends, and also to prevent them from sagging or bending downward when suspended by both ends, as in the primitive mowing-machine; but I am not aware that heretofore a finger-bar has been produced that successfully combined in a high degree both points of advantage just referred to. The parts herein shown and described, when secured together by the truss-rod, form a vertically-rigid double-trussed finger-bar which will bend neither upward nor downward when in use.

I claim as new and desire to secure by Letters Patent—

1. In combination, a finger-bar, inside and outside shoes depending therefrom and rigidly connected therewith, laterally-abutting guards secured to said finger-bar and having transverse openings therein to admit a truss-rod, and truss-rod passed through the transverse openings in said shoes and guards, the several parts being constructed and arranged to render said finger-bar vertically rigid, substantially as and for the purpose specified.

2. In combination, the finger-bar A, the inside and outside shoes A' A², rigidly connected therewith by means of the bolts A³, the laterally-abutting guards B, provided with transverse openings B' therein and bolted to the finger-bar A, the truss-rod C, passed through the transverse openings B' A⁴ A⁵ in the guards B and inside and outside shoes A' A², and the nuts C' C², applied to the ends of the truss-rod C to secure all of said parts rigidly together, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto affixed my signature in the presence of two witnesses.

GUSTAF JERNBERG.

Witnesses:

L. L. MORRISON,
E. F. DOWLING.