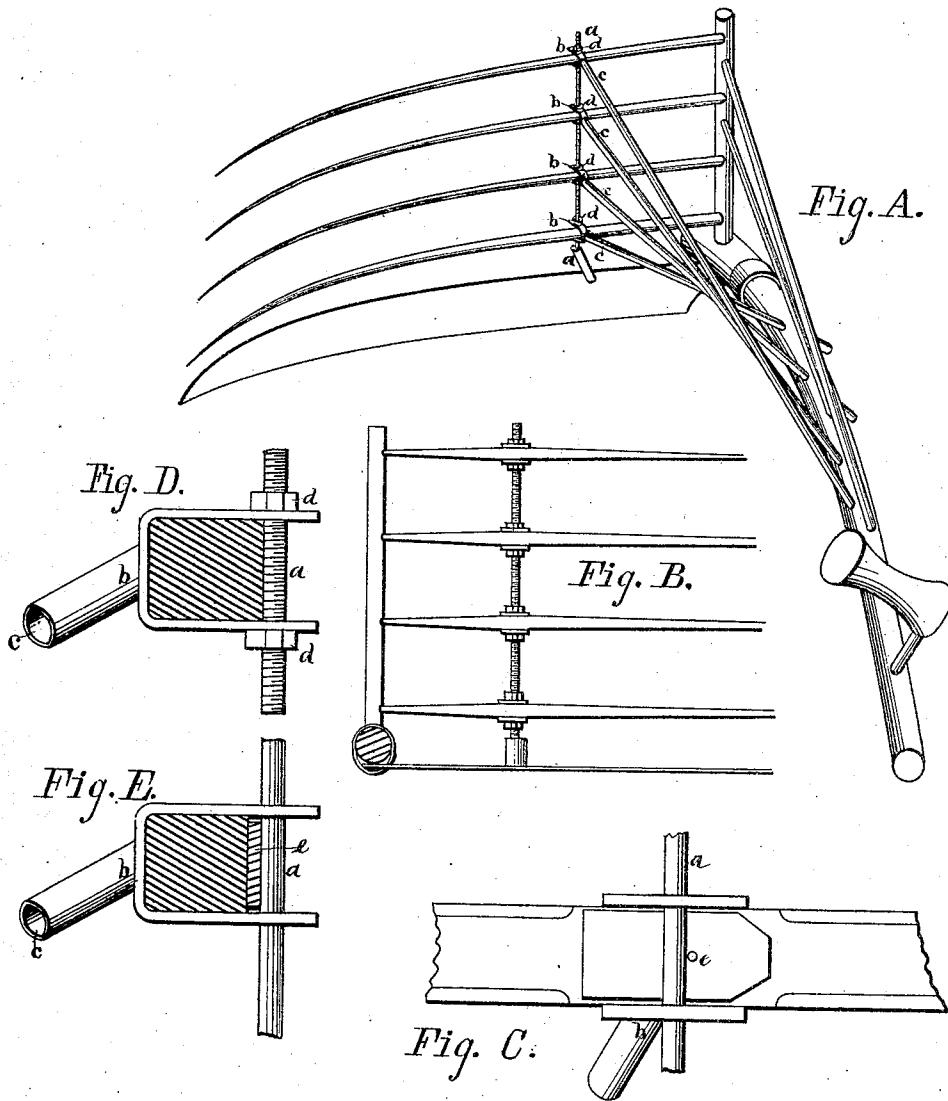


D. DUESLER.
Grain-Cradles.

No. 145,933.

Patented Dec. 30, 1873.



Witnesses,
Jonas Meegowan
Willard Loun

Inventor,
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UNITED STATES PATENT OFFICE.

DANIEL DUESLER, OF COLDWATER, MICHIGAN.

IMPROVEMENT IN GRAIN-CRADLES.

Specification forming part of Letters Patent No. **145,933**, dated December 30, 1873; application filed September 24, 1873.

To all whom it may concern:

Be it known that I, DANIEL DUESLER, of the city of Coldwater, in the county of Branch, in the State of Michigan, have invented a new and useful Improvement in Grain - Cradles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

My invention consists in an improved fastening for the fingers of grain-cradles, whereby each of the fingers may be adjusted or removed without disturbing the others, as hereinafter more fully described and explained.

To enable others skilled in the art to make and use my invention, I will describe its construction as represented by the accompanying drawings.

Figure A represents the cradle complete, with the clasps at *b*. The rod *a a*, with a thread cut the full length, passes along the back of the fingers through the projecting flanges of the clasps. The nuts *d*, moving upon this rod, are screwed firmly against the clasps, thus holding the fingers in position; or

they may be used to shift the position of the fingers, in either direction, along the rod. The braces from the snath are attached to the fingers by being inserted in the tube *c*, and retained by a rivet, the tube forming part of the clasp. Fig. B shows the position of the rod on the back of the fingers. Fig. D shows a full-sized transverse section of a finger and clasp, as fastened with rod and screws. Fig. C represents a section of a full-sized finger, showing the rod on the back, and the position of the wedge *e* when the finger is fastened by that method. Fig. E shows a transverse section of finger and clasp as fastened with a wedge.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the clasps *b* with the adjusting-nuts *d* and screw-rod *a a*, fastened to the blade, and extending across all of the fingers of the cradle, substantially as and for the purpose described.

DANIEL DUESLER.

Witnesses:

JONAS H. MCGOWAN,
WILLARD J. BOWEN.