

A. ANDERSON & L. JOHNSTON.

Improvement in Attachments to the Cutting Apparatus of Harvesters.

No. 115,411.

Patented May 30, 1871.

FIG. 1.

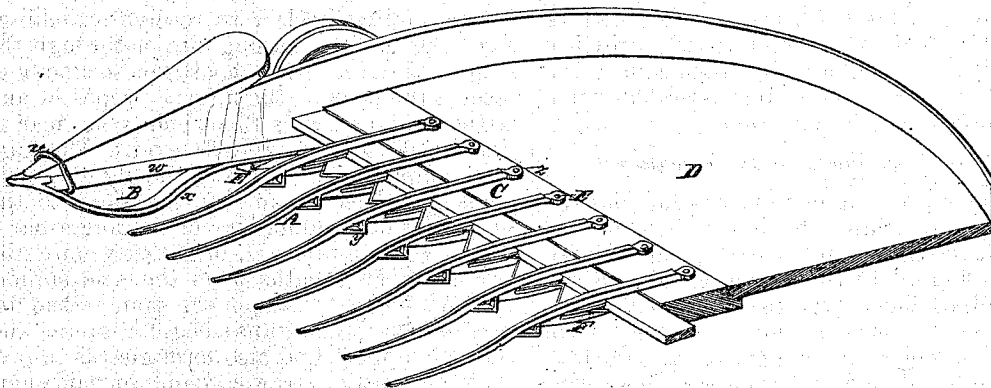


FIG. 2.

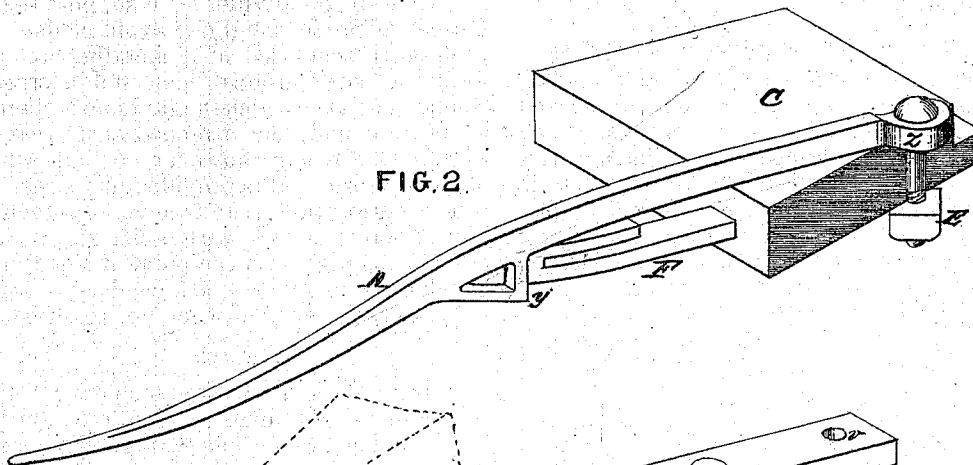
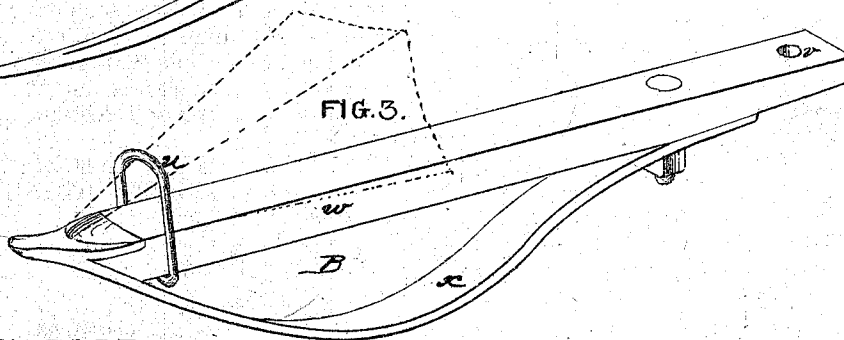


FIG. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

ALEXANDER ANDERSON AND LESLIE JOHNSTON, OF LONDON, CANADA.

IMPROVEMENT IN ATTACHMENTS TO THE CUTTING APPARATUS OF HARVESTERS.

Specification forming part of Letters Patent No. 115,411, dated May 30, 1871.

We, ALEXANDER ANDERSON and LESLIE JOHNSTON, both of London, in the Province of Ontario, Canada, have invented certain Improved Attachments for Harvesters, of which the following is a specification:

Nature and Objects of the Invention.

Our invention relates to means for converting reaping-machines to adapt them to harvest-lodged grain and pease. Long supplementary fingers lift the lodged grain or pease and conduct them over the finger-bar, and a supplementary shoe or runner applied to the divider supports the finger-bar at sufficient height to avoid clods. Our improvement consists in the employment of said supplementary shoe, as stated.

Description of the Accompanying Drawing.

Figure 1 is a sectional perspective of the finger-bar of a reaping-machine having our improvement applied. Fig. 2 is a perspective, on a larger scale, of one of the supplementary fingers and a fragment of the finger-bar, to illustrate its application thereto. Fig. 3 is a perspective, on about the same scale as Fig. 2, of the supplementary shoe detached, the position of the point of the divider relatively thereto being indicated by dotted lines.

Like letters of reference indicate corresponding parts in the several figures.

General Description.

Our improved attachments are supplementary fingers A, and a supplementary shoe or runner, B, of peculiar construction. They may be supplied to a finger-bar, C, with or without a grain-table, D, and require no provision for their reception, except perforations to receive their attaching-bolts E, which may be made by the user. The supplementary fingers A are made of wood or iron, and constructed with

flat perforated heels *z* to receive attaching-screws or bolts E, passing into or through the finger-bar C, and with sheaths or sockets *y* to receive the ends of the fingers proper F, and are so bent as bring their points as near as practicable to the ground lever. They are thus adapted to pass under the clinging peavines or lodged grain, lift the same to the sickle G, and conduct it over the finger-bar C onto the grain-table D, or directly onto the ground. The sheaths *y* on the said supplementary fingers A attach the same to the fingers proper F, and thus secure a lateral and vertical support, and also form guards to prevent the vines or straw catching on said short fingers. The supplementary shoe or runner B is applied to the divider G to support the finger-bar at proper height to avoid clods. It is preferably composed of a metallic bar, *x*, to form the sole, suitably bent, and a straight wooden bar, *w*, to which the said sole is clamped at its front end, and attached at its rear end by screws. It may, however, be made wholly of wood or iron. It is provided at its rear end with a perforation, *v*, to receive an attaching-bolt or screw, E, and with a shackle, *u*, at its point, to engage with the point of the divider, by which means it is so attached as to be capable of ready removal when not required.

Claim.

In combination with supplementary fingers A, applied to the fingers as herein described, the supplementary shoe B applied to the divider by bolt E and shackle *u*, and constructed substantially as shown and described, for the purpose set forth.

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Witnesses:

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