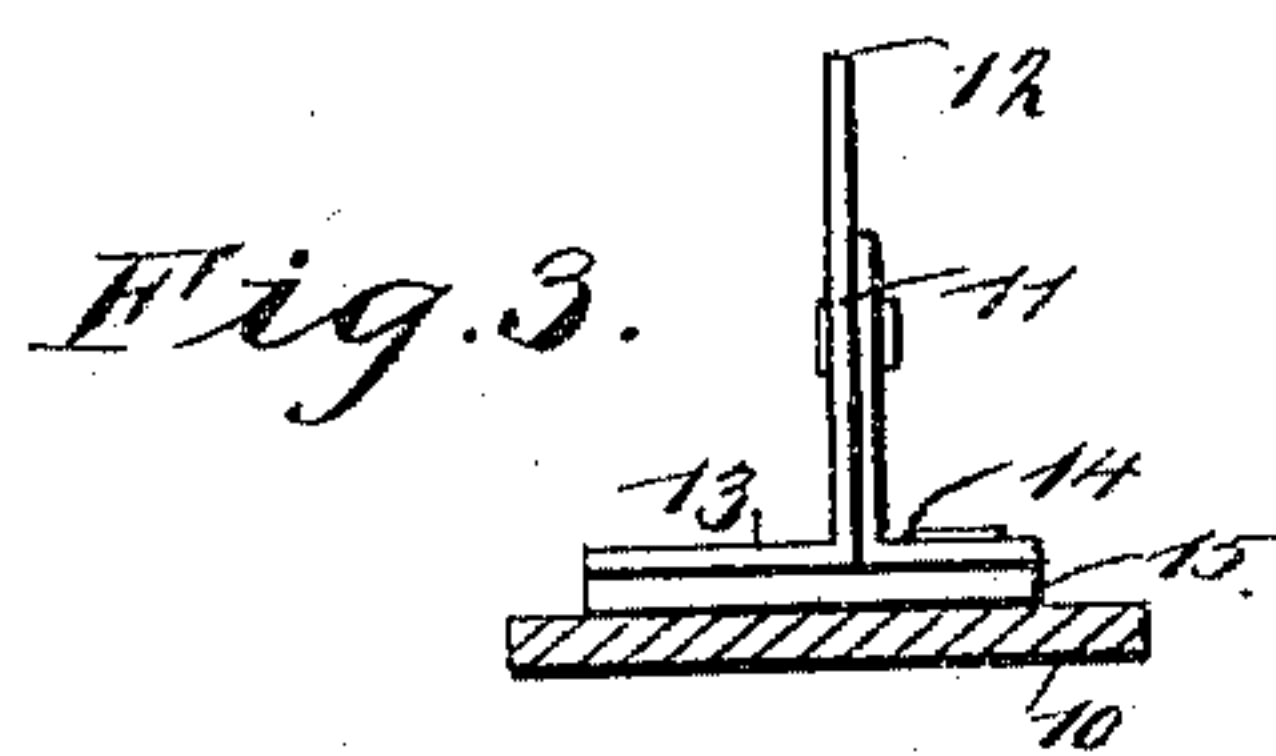
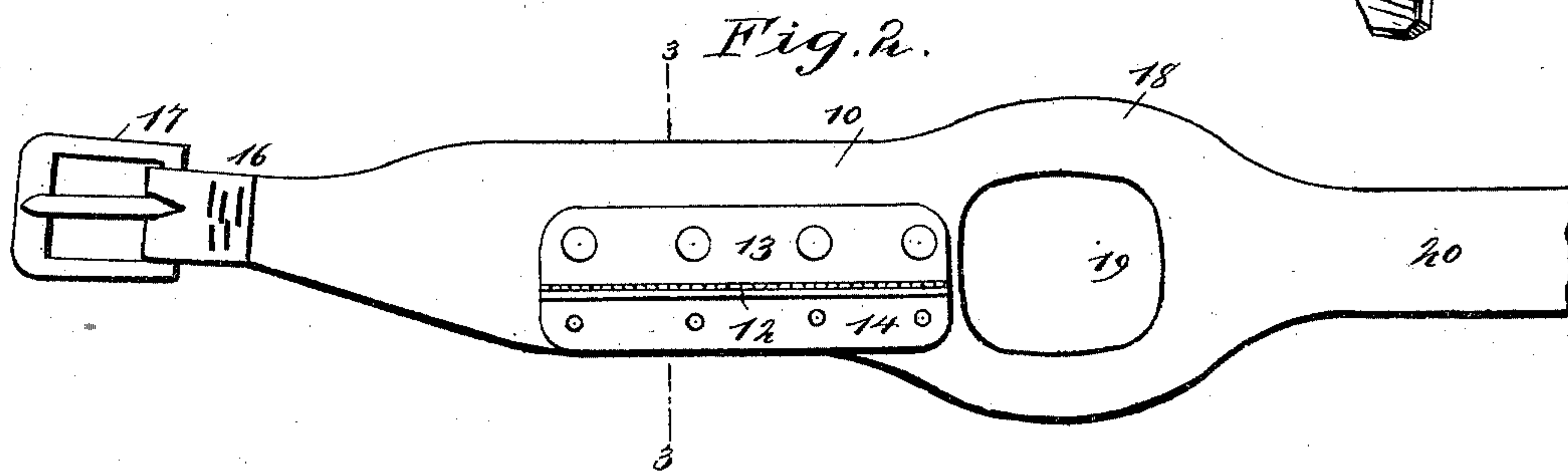
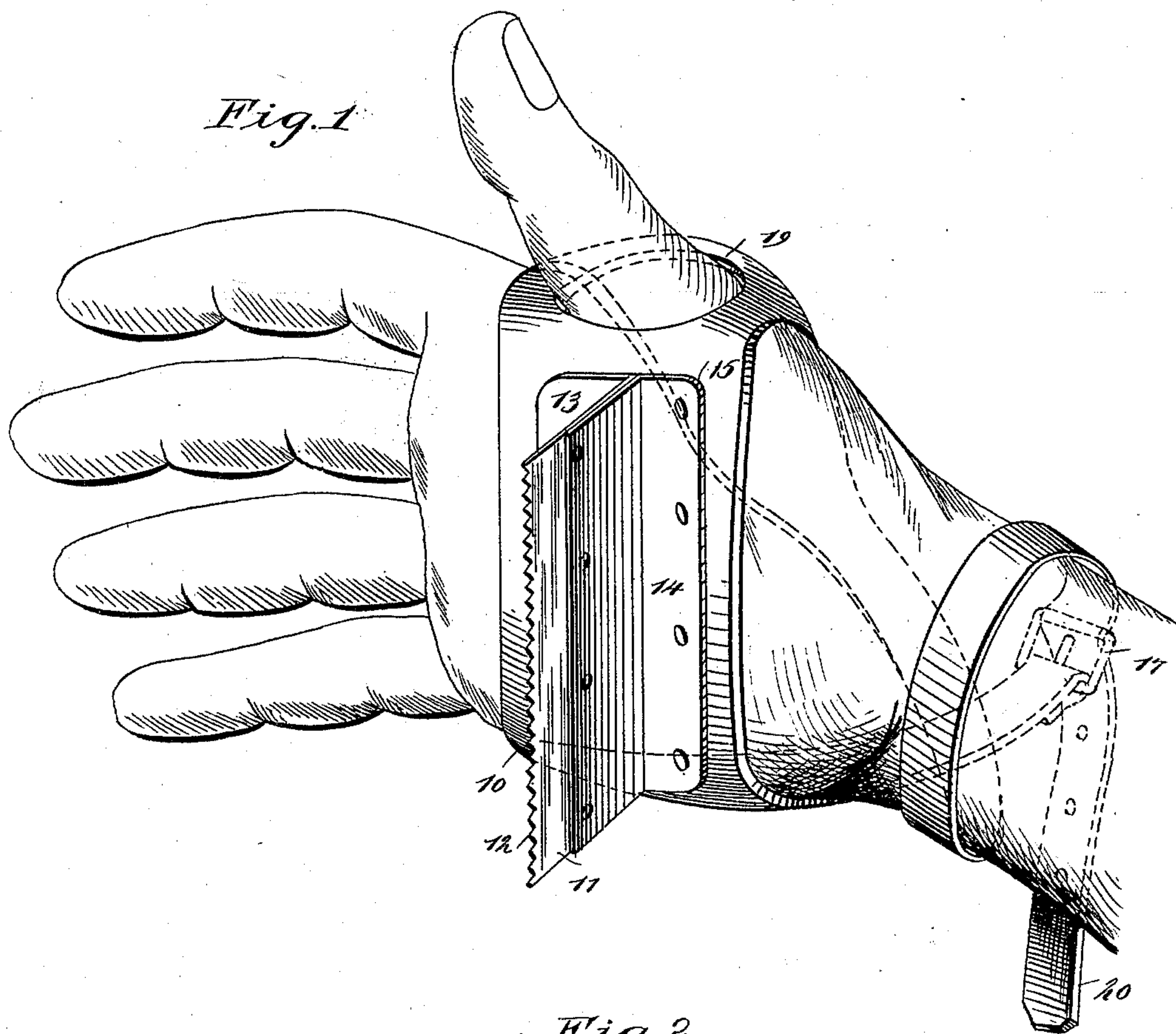


(No Model.)

J. SINDELAR.
WIRE BAND CUTTER.

No. 509,694.

Patented Nov. 28, 1893.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOSEPH SINDELAR, OF IPSWICH, SOUTH DAKOTA.

WIRE-BAND CUTTER.

SPECIFICATION forming part of Letters Patent No. 509,694, dated November 28, 1893.

Application filed June 10, 1893. Serial No. 477,203. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SINDELAR, of Ipswich, in the county of Edmunds and State of South Dakota, have invented a new and Improved Band-Cutter, of which the following is a full, clear, and exact description.

My invention relates to improvements in band cutters for cutting the bands of grain bundles before the grain is fed to a thrashing machine. The object of my invention is to produce an extremely cheap and simple cutter, which may be easily applied to and carried in the palm of the hand, which operates to sever a band by simply bringing the cutter in contact with the band by the natural weight of the hand, which may be used safely without danger of cutting the operator, which enables a person to feed the machine and at the same time cut the band, and which may be used independently for rapidly severing the bands, if desired.

To these ends my invention consists of a band cutter, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of my improved band cutter, showing the same as applied to the hand. Fig. 2 is a broken plan view of the cutter; and Fig. 3 is a cross section on the line 3—3 in Fig. 2.

The cutter is provided with a strap 10 which is adapted to extend across the palm of the hand, and on the strap, extending at right angles to the plane of the strap and arranged longitudinally upon it, is a knife 11, which has a serrated edge 12, which enables it to easily engage and sever a band; and at the base of the blade is a flange 13 which is adapted to be riveted or otherwise secured to the strap, and the knife is also strengthened by an angle brace 14 which should be as long as the knife but may be shorter if desired, and this also is riveted to the strap and to the knife, as shown in Figs. 1 and 2. The flange 13 of the knife and the angle brace 14 are secured to a reinforcing strip 15 on the

strap 10, see Fig. 3, but they may be secured directly to the strap if desired. The strap 10 is reduced at one end, as shown at 16, and provided with a terminal buckle 17 which is arranged in such a way that when the strap is applied to the hand the buckle will come upon the back of the wrist. The strap is also enlarged on the side of the knife opposite the buckle side, as shown at 18, at which place the strap is perforated, as shown at 19, to receive the thumb of the hand. The enlarged portion 18 of the strap merges in a long tongue 20, which is adapted to be wrapped once around the wrist and then extended across the back of the hand to engage the buckle 17 when the cutter is to be fastened to the hand.

The cutter may be applied to either hand, and to apply it, the thumb is thrust through the hole 19 so that the knife will extend transversely across the palm of the hand, the buckle 17 is brought up over the back of the wrist, and the tongue 20 is wrapped once around the wrist and then extended over the back of the hand and secured to the buckle 17 as shown clearly in Fig. 1.

When the cutter is applied, as described, the strap holds it firmly to the hand, and the knife may be brought into contact with the bands of a bundle by the natural movement of grasping the bundle, and consequently the bands may be cut with great rapidity and ease. That is to say, as the operator stands beside the hopper or mouth of a thrasher, he feeds the grain bundles endwise into the same, and at the same time severs their bands by the movement of his right hand in line with the direction of feed; and this is done in the movement of the hand which is required to enable it to seize another bundle. The arrangement of the blade athwart the palm is therefore practically important, since such movement and the result produced could not be effected if the blade were otherwise arranged.

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

A band cutter, comprising a strap having a

hole therein to receive the thumb, a buckle at one end and a tongue at the other to engage the buckle, and a knife or blade secured longitudinally to the strap between the thumb-
5 hole and buckle, substantially as described, whereby when the device is applied to an operator's hand, the said blade lies crosswise the

palm, and is thus adapted to sever grain bands as specified.

JOSEPH SINDELAR.

Witnesses:

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