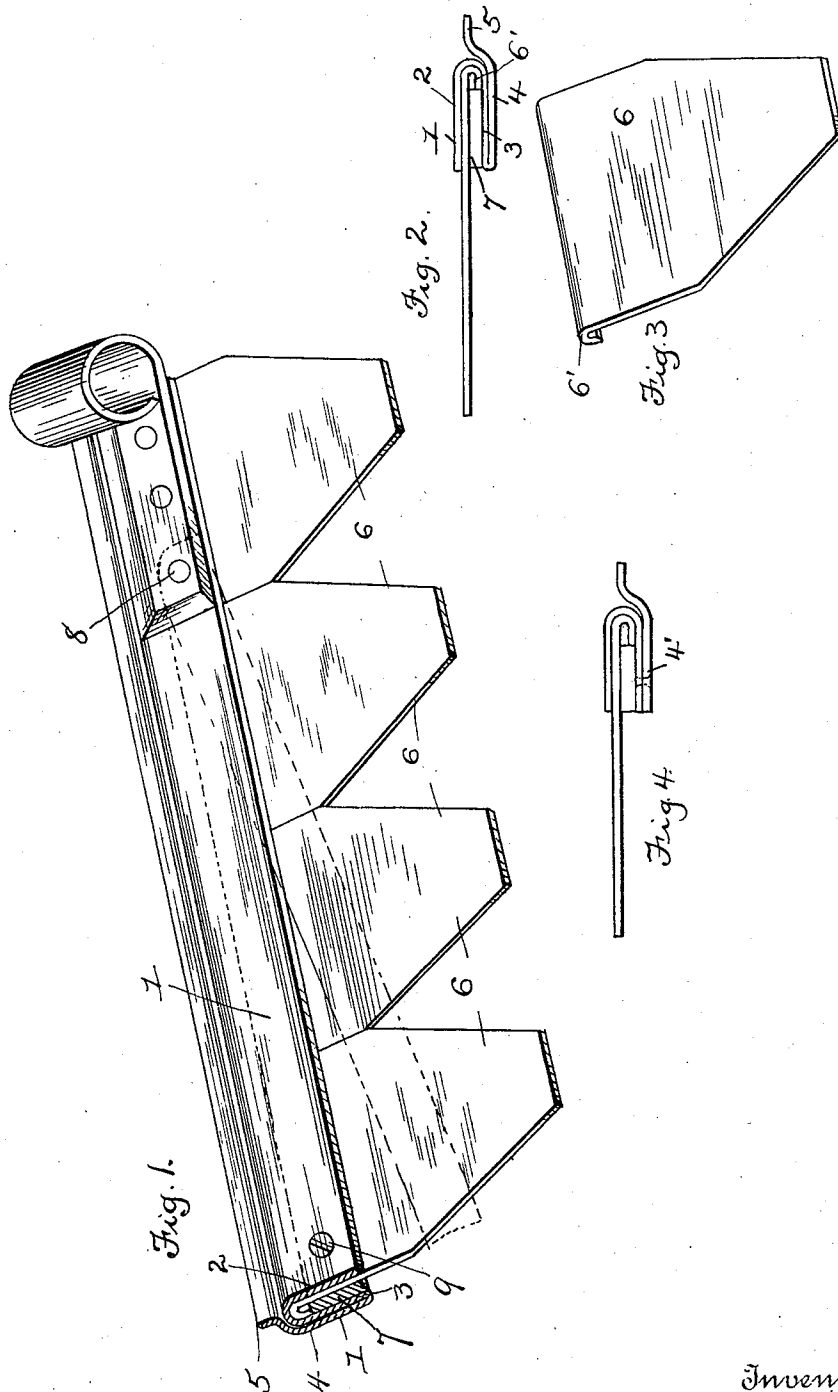


(No Model.)

W. E. BALL & A. C. BAILEY.
HARVESTER CUTTER BAR.

No. 576,534.

Patented Feb. 9, 1897.



Witnesses
Thos. E. Robertson
W. E. Clendaniel.

Inventors
William E. Ball
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UNITED STATES PATENT OFFICE.

WILLIAM E. BALL AND ALICE C. BAILEY, OF ZANESVILLE, OHIO.

HARVESTER CUTTER-BAR.

SPECIFICATION forming part of Letters Patent No. 576,534, dated February 9, 1897.

Application filed April 4, 1896. Serial No. 586,243. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM E. BALL and ALICE C. BAILEY, citizens of the United States, residing at Zanesville, in the county of Muskingum and State of Ohio, have invented a certain new and useful Improvement in Harvester Cutter-Bars, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention is designed as an improvement on the cutter-bar shown in our Patent No. 540,623; and it consists in the peculiar construction hereinafter described, and then definitely claimed at the end hereof.

15 In the accompanying drawings, Figure 1 is a perspective view of a cutter-bar constructed according to our improvement. Fig. 2 is an end view of the same on a larger scale. Fig. 3 is a perspective view of a cutter detached. 20 Fig. 4 is an end view of a modification.

Referring now to the details of the drawings by figures, 1 indicates the cutter-bar proper, formed by bending a sheet of suitable metal twice, thus making three folds or layers of metal, 2 3 4, the last of which is curved upward at the rear and then backward, forming an extended flange 5, while the folds 2 and 3 form a deep groove.

Between the folds 1 and 2 are set the cutters 6 and the fastening-bar 7, which last is pivoted at 8 to the cutter-bar, so that said fastening-bar can be drawn out, as shown in dotted lines in Fig. 1, and when in this position the cutters 6 may be readily taken out. 35 On returning the fastening-bar to the position shown in full lines and setting a screw or bolt 9 in the outer end of the cutters, cutter-bar, and fastening-bar are all securely fastened together.

40 The rear edges of the cutters are bent un-

der, as shown in Fig. 3, so as to have an intumed flange 6', whereby they are made much stronger, as the intumed flange is not so likely to flatten out as the single bend shown in our beforementioned patent.

The object of the flange 5 is to provide an extended bearing-surface in the finger-bar to prevent the rocking of the cutter-bar when it is in operation without adding materially to the weight. The upward turn of the metal 50 between the lower fold and the flange materially helps to stiffen the bar.

The lower layer 4 of the cutter-bar may be made separately and riveted or bolted on, as shown at 4' in Fig. 4, but we prefer to make it 55 as shown in Figs. 1 and 2.

What we claim as new is—

1. A cutter-bar formed of three layers of sheet metal, two of said layers having an opening between them to receive the cutters 60 and the third layer extending rearward to prevent rocking when the cutter-bar is in motion, substantially as described.

2. A cutter-bar formed of sheet metal bent into three folds, one of which extends in the 65 rear of the cutter-bar proper to prevent rocking when in motion, substantially as described.

3. A cutter-bar formed of sheet metal bent into three folds and having its lower fold bent 70 upward and then outward to form a flange, substantially as described.

In testimony whereof we affix our signatures, in the presence of two witnesses, this 2d day of April, 1896.

WILLIAM E. BALL.
ALICE C. BAILEY.

Witnesses:

PERRY SMITH,
E. F. DILLON.