

(No Model.)

F. F. G. JAEHNKE.
CUTTER BAR.

No. 458,629.

Patented Sept. 1, 1891.

Fig. 1.

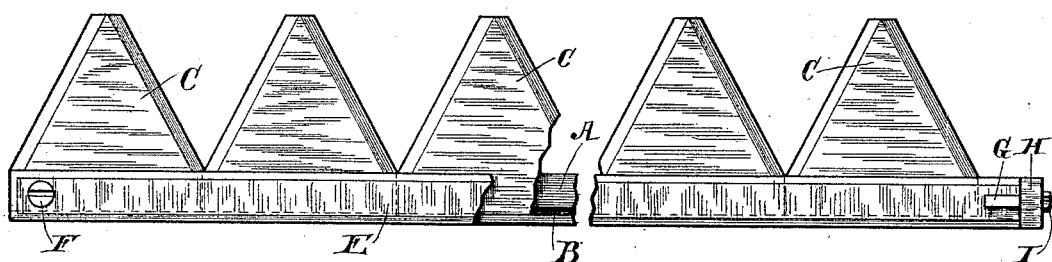


Fig. 2.

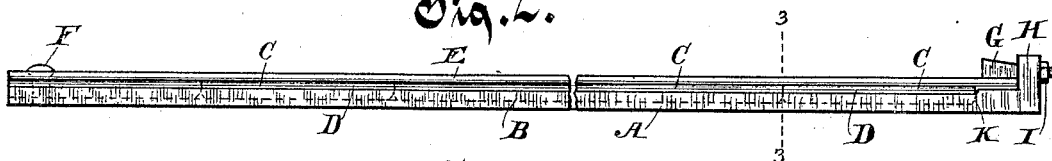


Fig. 3.

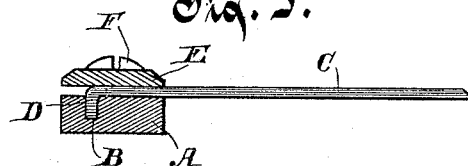


Fig. 4.

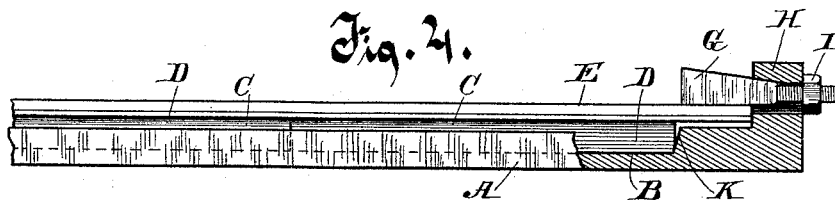


Fig. 5.



Witnesses.

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FERDINAND F. G. JAEHNKE, OF JOHNSON'S CREEK, WISCONSIN.

CUTTER-BAR.

SPECIFICATION forming part of Letters Patent No. 458,629, dated September 1, 1891.

Application filed February 28, 1891. Serial No. 383,241. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND F. G. JAEHNKE, of Johnson's Creek, in the county of Jefferson and State of Wisconsin, have
5 invented a new and useful Improvement in Cutter-Bars, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

10 My invention relates to a cutter-bar adapted for use with a mower or reaper or binder, in which cutter-bar a series of sections with inclined square or beveled edges form a serrated knife, and the cutter-bar is adapted to be reciprocated endwise through guides or slotted
15 fingers on a finger-bar.

The object of my invention is to provide means for securing the sections of the knife securely but removably in the finger-bar.

20 In the drawings, Figure 1 is a top plan view of the complete cutter-bar, a portion being broken away for convenience of illustration. Fig. 2 is a rear elevation of the device shown in Fig. 1. Fig. 3 is a transverse
25 section on line 3 3 of Fig. 2. Fig. 4 is an enlarged view of a fragment of the cutter-bar, parts being shown in section to exhibit interior construction. Fig. 5 is a fragment of a modified form of the cutter-bar.

30 The steel bar A is provided with a groove B from one end nearly to the other end of the bar in the upper surface at a little distance from the rear edge of the bar. The knife-sections C at their rear edge are bent
35 downwardly, forming a flange D, extending entirely across that end of the section. The flange D is adapted to enter the groove B, and the number and size of the sections are such as to fill the entire length of the groove.
40 A strap E is placed over the rear portion of the section C above and opposite the bar A, and is secured to the bar A at one end by a screw F, passing through the strap through the section C and turning into the bar A, and
45 at the other end the strap is held tightly against the sections by a wedge-shaped key G, inserted in the upturned end or lug H of the bar A and bearing against the strap E. The outer end of the key G is provided with

a screw-thread on which the nut I turns
50 against the lug H to retain the key in its seat. To take up any possible play between the sections and to wedge them tightly in place, the inner end of the groove B is beveled at K, so that the flange D of the section
55 C, bearing against the beveled end of the groove, will be forced against the other sections, wedging them tightly in place in the groove. The strap E thus secured in place upon the sections C holds them securely in
60 place, but in such manner that they can be readily removed for grinding or repairing or for replacing a single section if broken by unfastening and removing the strap E.

In the modified form of device shown in
65 Fig. 5 the inner end of the strap E is secured to the bar A by screws F', passing through the strap and turning into the bar A at a distance of one foot apart. This means of securing the strap E to the bar A may be
70 used instead of the key G, although the key is preferred as being more readily removed and inserted when necessary.

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

75 1. In a cutter-bar, the combination, with a bar having a longitudinal groove the inner end of which is beveled downwardly, of a series of knife-sections having flanges at their rear ends adapted to enter and fill the
80 groove in the bar and be crowded together by the bevel at the end of the groove, and a strap secured to the bar over the sections in such manner as to hold the sections to the bar and close to each other by forcing the
85 end section inwardly against the bevel at the end of the groove, substantially as described.

2. In a cutter-bar, the combination, with a bar having a longitudinal groove the inner end of which is beveled downwardly, of a
90 series of knife-sections having flanges at their rear ends adapted to enter and fill the groove and be crowded together by the bevel at the end of the groove, substantially as described.

95 3. In a cutter-bar, the combination, with a bar having a longitudinal groove, of a series of knife-sections having flanges adapted

to enter the groove in the bar, and a strap
bearing on the knife-sections opposite the
bar and secured thereto at one end by a
screw and at the other end by a wedge-
5 shaped key inserted in a lug on the bar and
bearing against the strap, substantially as
described.

In testimony whereof I affix my signature in
presence of two witnesses.

FERDINAND F. G. JAEHNKE.

Witnesses:

W. W. WOODMAN,
WM. SCHOESHERT.