

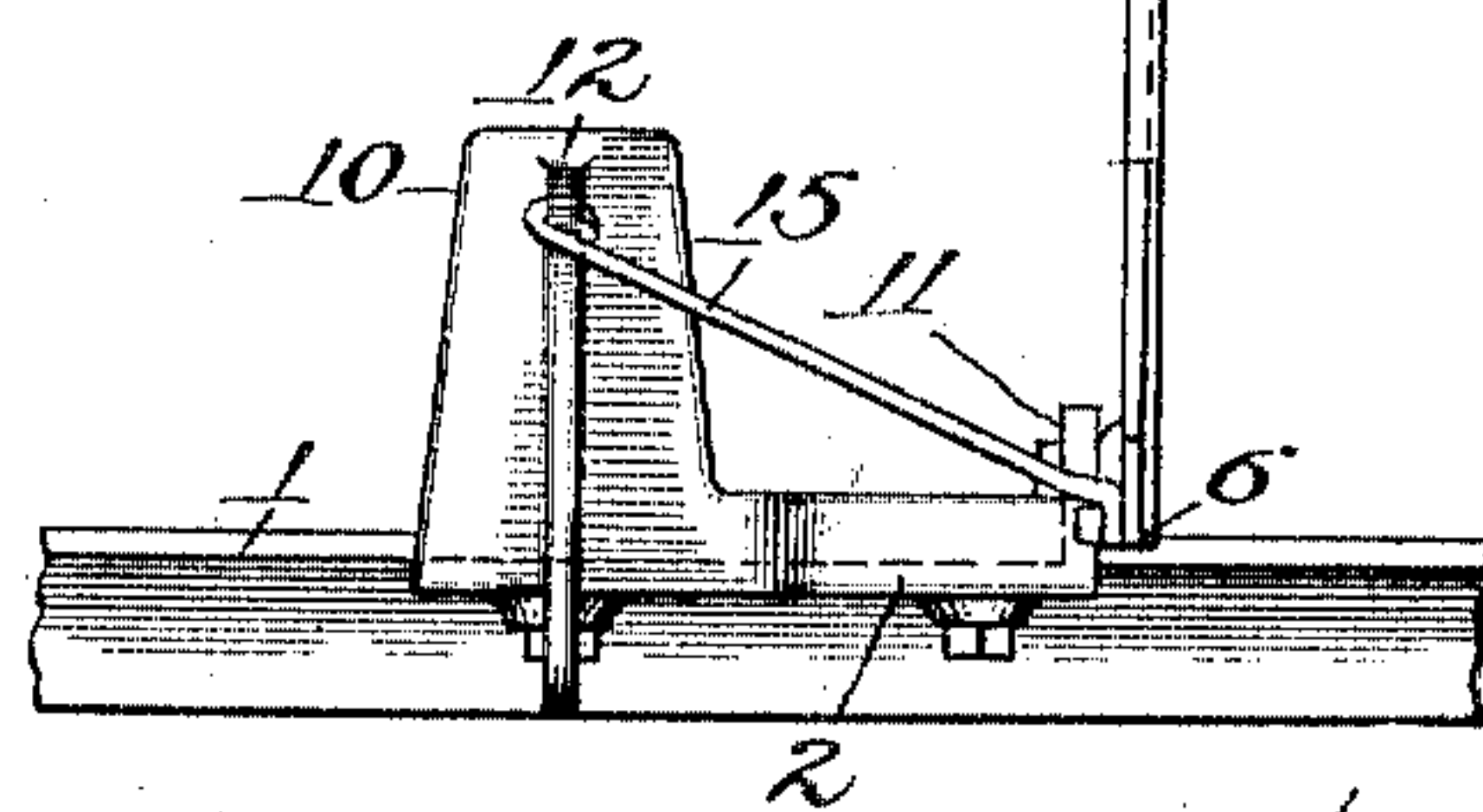
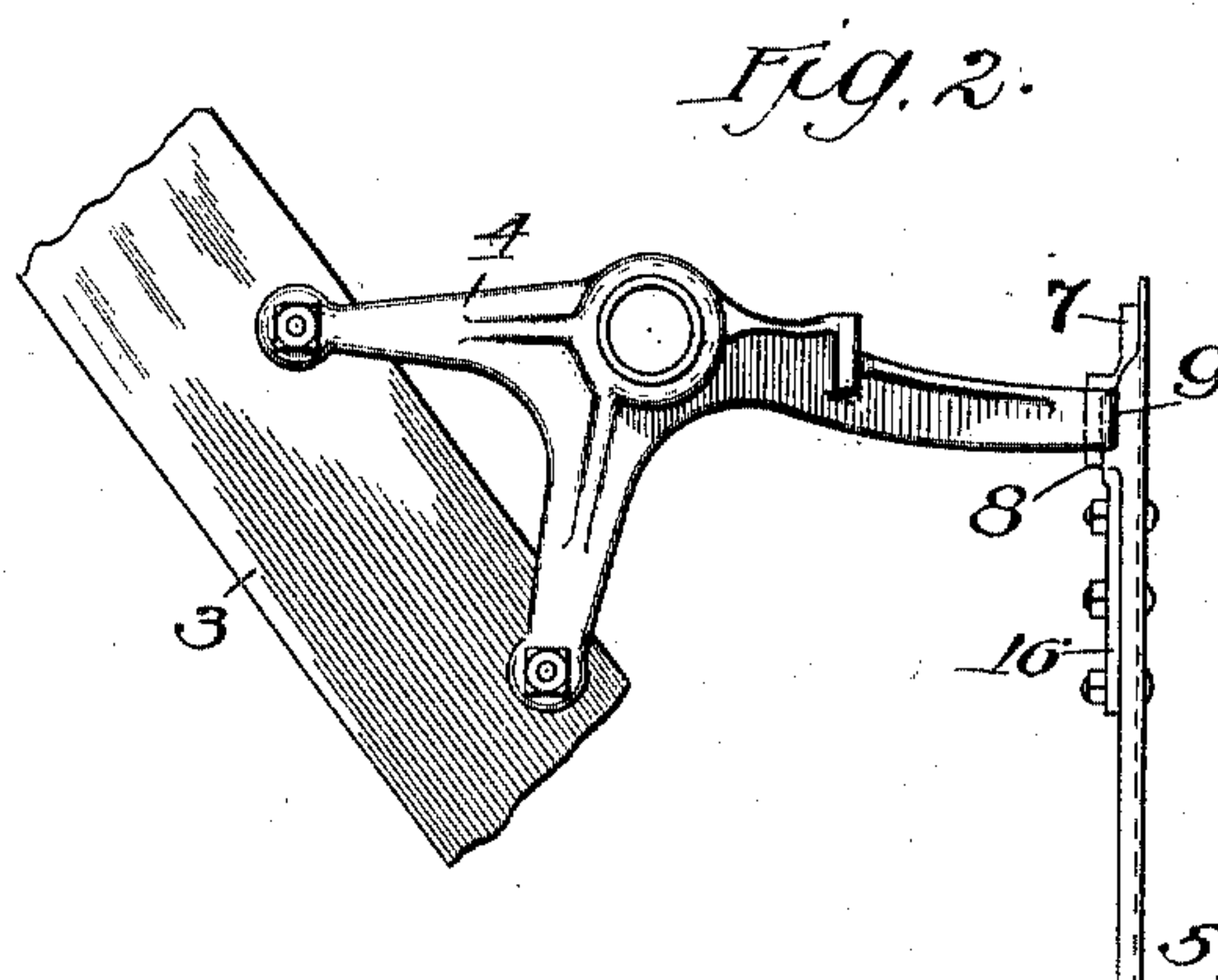
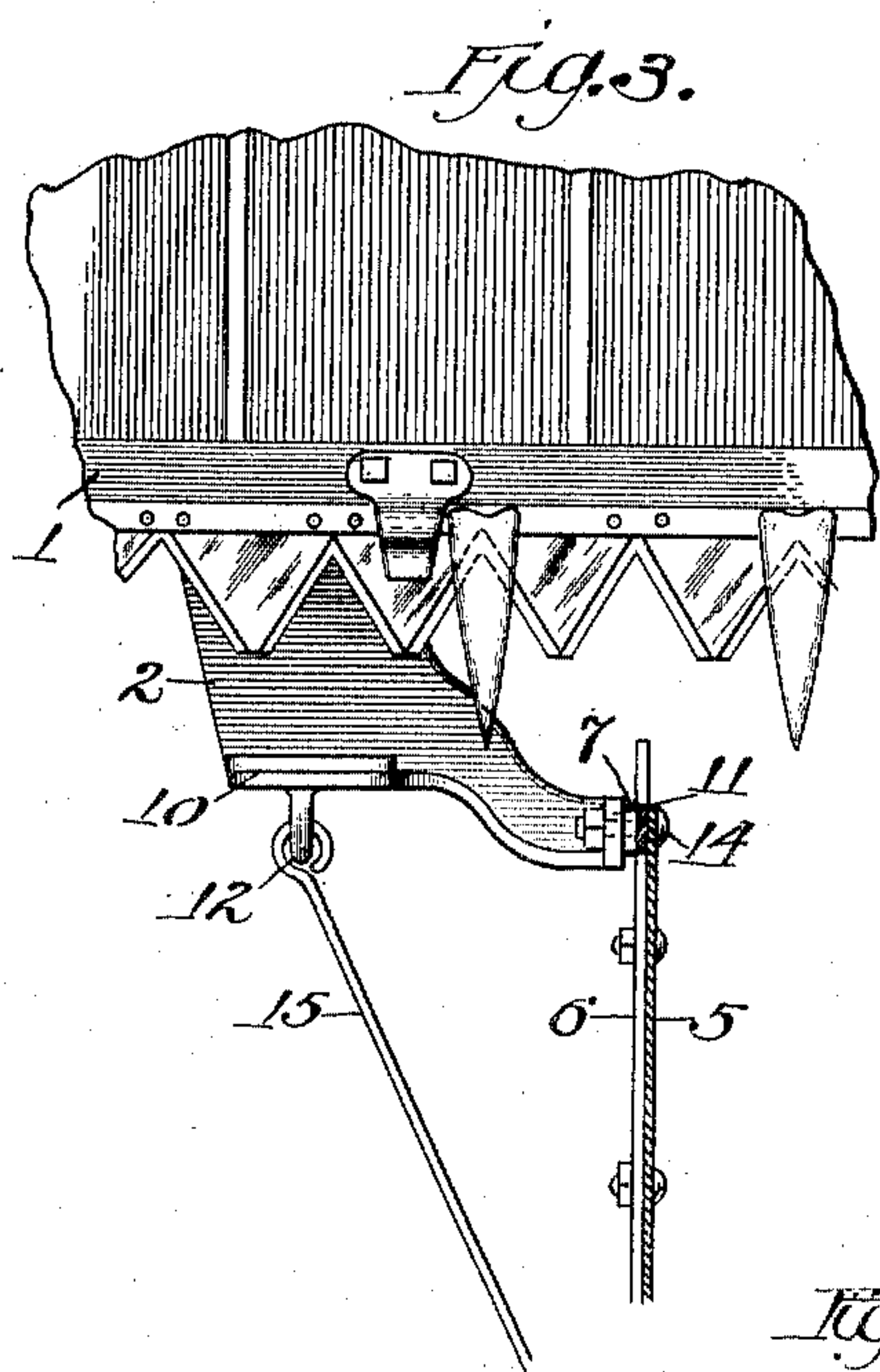
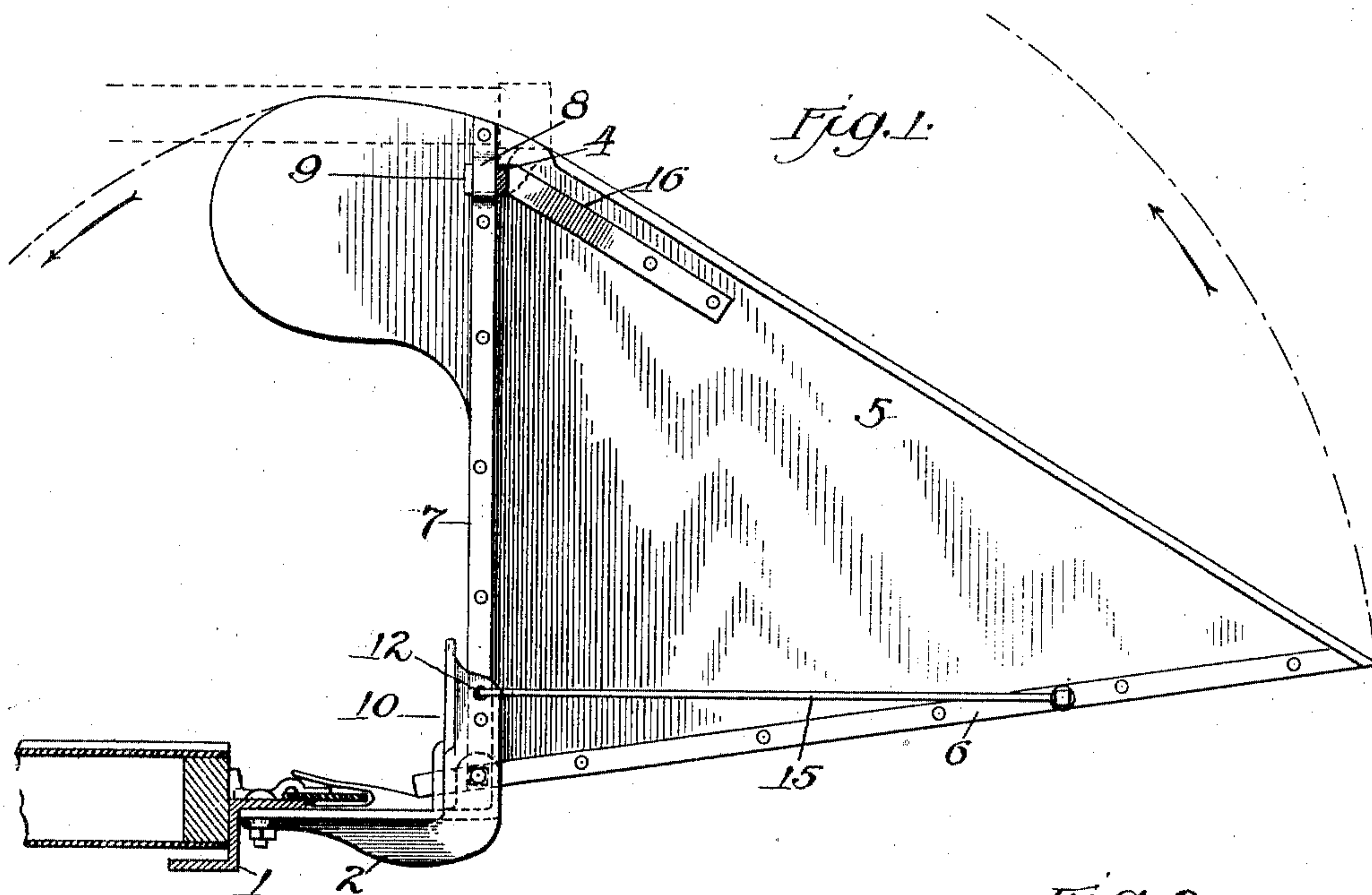
No. 766,901.

PATENTED AUG. 9, 1904.

C. A. A. RAND.
DIVIDER ATTACHMENT FOR HARVESTERS.

APPLICATION FILED FEB. 26, 1904.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES A. ANDERSON RAND, OF CHICAGO, ILLINOIS, ASSIGNOR TO INTERNATIONAL HARVESTER COMPANY, OF CHICAGO, ILLINOIS.

DIVIDER ATTACHMENT FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 766,901, dated August 9, 1904.

Application filed February 26, 1904. Serial No. 195,336. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. ANDERSON RAND, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Divider Attachments for Harvesters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The invention relates to divider attachments that are designed to be folded rearward for the purpose of reducing the width of the machine while it is being transported on the usual truck for that purpose or for convenience of storage or other purposes.

The invention has for its object to provide an improved divider that may be quickly turned upward and rearward when required without removing any of its parts and without the use of tools and will also be held securely in operative position when so adjusted. These objects I attain by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the attachment and enough of a harvester to sufficiently illustrate my invention. Fig. 2 is a front view of Fig. 1. Fig. 3 is a top plan view of a portion of the divider, showing the manner of pivoting it to the harvester; and Fig. 4 is a detail of the spring-latch mechanism.

Referring to the drawings, like numerals represent like parts throughout.

1 represents a common form of cutter-bar, to which is attached the shoe 2.

3 represents a portion of the elevator-frame, and 4 is a part of the frame structure that supports other parts of the harvester.

5 is a divider, preferably of sheet metal, triangular in form and provided along its lower edge with the strap 6 and along its rear end with the strap 7, which is provided with a loop portion 8, designed to engage with the L-shaped end 9 of the part 4, as shown in Fig. 4.

The shoe portion 2 is provided with the vertical ear portions 10 and 11, and 12 is an eye formed in the upper end of the ear 10. A bolt 14 extends laterally through the ear 11

and secures the divider 5 thereto. A brace 15 is provided with an eye connection at its rear end with the eye 12 and extends forward and is secured to the divider 5 at its lower edge. The eye 12 is above the horizontal plane of the bolt 14, and the brace 15 thereby has the double function of sustaining the divider against lateral or downward displacement at its point when in operative position and to also cause it to swing laterally grainward as it is adjusted upward about its pivot, whereby its point is moved away from the frame structure, the above being a necessary requirement when the divider is inclined stubbleward in operative position, as is frequently the case in this class of machines.

To prevent the divider from rising at its forward end, there is provided a plate-spring 16, that engages with the forward side of the hook 9 on the part 4, as clearly shown in Fig. 4. When the plate-spring is closed inward against the divider, it will allow the loop portion 7 to become disengaged from the hook 9 and the divider to have a free swinging movement upward and rearward, as indicated by the arrows in Fig. 1.

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

1. In a grain-divider the combination of a harvester-frame, a grain-divider having pivotal connections therewith and adapted to swing upward and rearward, a hook on the said frame engaging with the divider and adapted to hold it in operative position and a yielding latch operating to hold the two parts in engagement.

2. In a grain-divider for harvesters the combination of the harvester cutter-bar and the shoe secured thereto, a divider pivoted at its lower rearward corner to the shoe and adapted to swing upward and rearward, a hooked arm upon the harvester-frame adapted to engage with the upper rearward corner of the divider to hold it in operative position and a spring-latch operating to retain the two parts in engagement.

3. In a grain-divider for harvesters the combination of the harvester cutter-bar and a shoe secured thereto, a divider pivoted at its lower

rearward corner to the shoe and adapted to swing upward and rearward, a hooked arm upon the harvester-frame adapted to engage with the upper rearward corner of the divider
5 to hold it in operative position, a plate-spring secured at one end to the divider and having its free end in engagement with the hooked arm to retain the two parts in engagement.

4. In a grain-divider for harvesters the combination of the harvesters, a divider pivoted
10 at its lower rearward corner thereto, and adapted to swing upward and rearward, a brace secured to the divider near its point and extending rearward, above the pivotal point
15 of the divider and stubbleward to the harvester-frame, and operating to sustain the divider against downward or lateral movement when in operative position and cause it to swing grainward when raised.

20 5. In a grain-divider for harvesters the combination of the harvester, the cutter-bar, a shoe attached thereto, a divider triangular in form pivoted at its lower rearward corner to the shoe and adapted to swing upward and rear-
25 ward, a loop or eye upon the upper rearward

corner of the divider, a hook upon the harvester-frame engaging with the loop, a plate-spring secured at one end to the divider and having its free end abutting against the back of the hook to hold the said hook and loop in
30 engagement.

6. In a grain-divider for harvesters the combination of the cutter-bar, the shoe attached thereto, said shoe provided with an upstanding ear portion, a divider pivoted to said ear
35 and adapted to swing upward and rearward, a vertically-disposed arm forming a part of the shoe and located stubbleward of the divider, a brace extending from the arm forward, and above the pivotal point of the di-
40 vider and grainward to the divider and means for securing the upper rear portion of the divider to the harvester-frame.

In witness whereof I hereto affix my signature in the presence of two witnesses.

CHARLES A. ANDERSON RAND.

Witnesses:

M. E. HOLTON,

JAMES L. MILLAR.