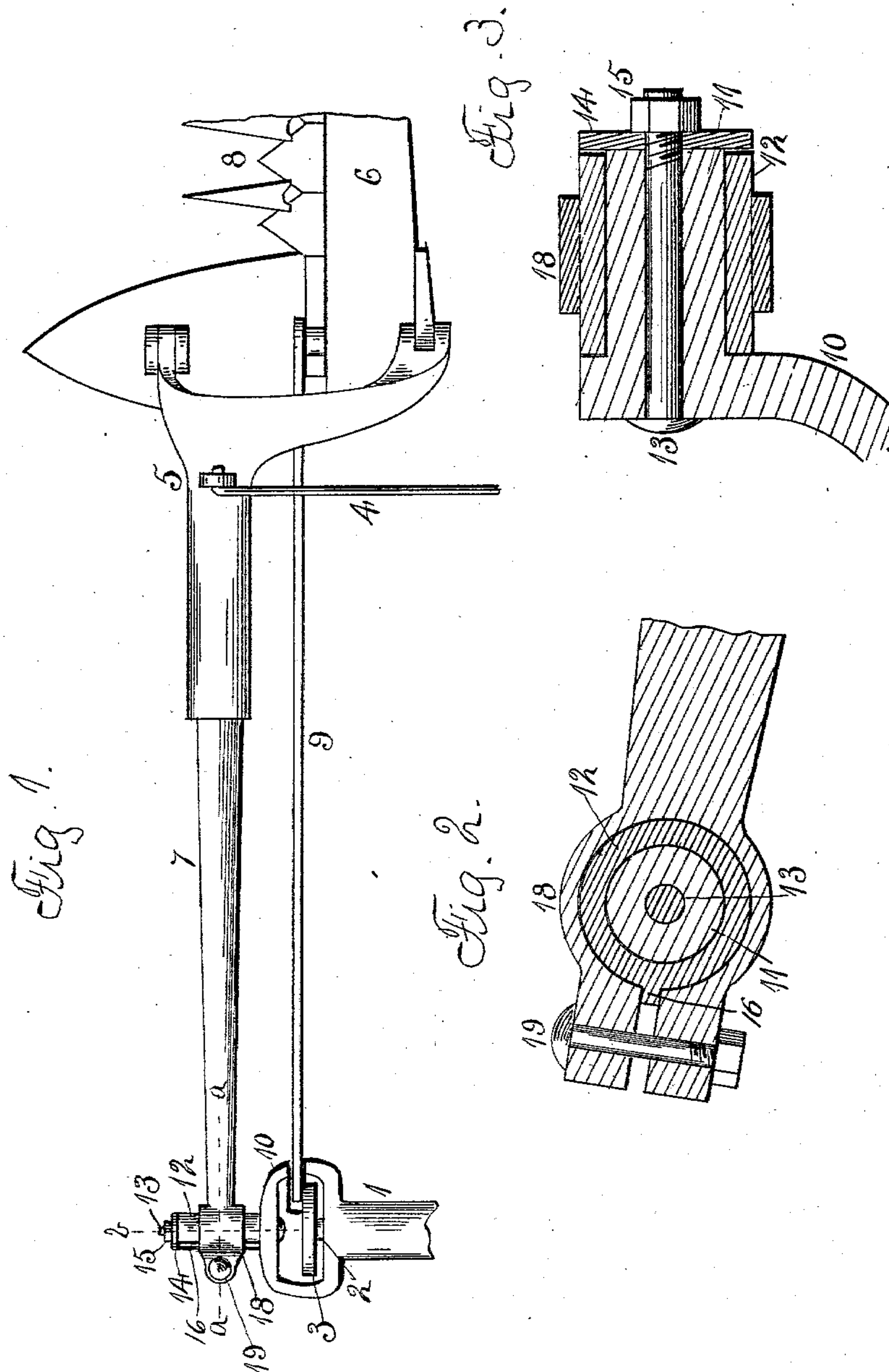


No. 753,459.

PATENTED MAR. 1, 1904.

G. WILSON.
CUTTER BAR ALINEMENT.
APPLICATION FILED NOV. 16, 1903.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE WILSON, OF ROCKFORD, ILLINOIS, ASSIGNOR TO EMERSON MANUFACTURING COMPANY, OF ROCKFORD, ILLINOIS, A CORPORATION OF ILLINOIS.

CUTTER-BAR ALINEMENT.

SPECIFICATION forming part of Letters Patent No. 753,459, dated March 1, 1904.

Application filed November 16, 1903. Serial No. 181,457. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WILSON, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Cutter-Bar Alinements, of which the following is a specification.

The object of this invention is to provide means for holding the finger-bar in proper alinement with the cutter-bar; and it consists in the adjustment of that end of the coupling-bar having a connection with the main frame transverse to the length of the coupling-bar.

In the accompanying drawings, Figure 1 is a plan view of the cutting apparatus of a mowing-machine. Fig. 2 is a section on dotted line *a*, Fig. 1. Fig. 3 is a section on dotted line *b*, Fig. 1.

In the drawings I have shown only such portions of a mowing-machine necessary to a complete understanding of my improvements, and in the main the parts are old. The bed has a forward projection 1, supporting the crank-shaft 2 and crank-head 3. A push-bar 4 has a connection with the under side of the bed at one end, and its other end has a connection with the yoke 5 of the cutting apparatus. This yoke has a connection with the finger-bar 6, also with one end of the coupling-bar 7. A knife 8 has the usual connection with the finger-bar, and a pitman 9 connects it with the crank-head 3.

From the projection 10 of the bed extends a pin 11, upon which is mounted a collar 12, held in place by the bolt 13, supporting the washer 14 and nut 15. The collar 12 has a rib 16, extending in its lengthwise direction.

The coupling-bar 7 has one end provided with a split clamping-section 18, adapted to receive the collar 12 and held in connection therewith by the bolt 19.

The collar 12 is loosely mounted on the pin 11, and as the coupling-bar forms the connection between the finger-bar portion of the cutting apparatus and the main frame the cutting apparatus is free to rise and fall.

By loosening the bolt 19 the end of the coupling-bar supporting the split clamping-section can be moved in the lengthwise direction of the collar 12 toward the bed and clamped to the collar when adjusted.

The adjustment of the end of the coupling-bar with the collar 12 will advance the outer end of the finger-bar, the point of connection between the push-bar and yoke acting as the pivot, thereby bringing the finger-bar into proper adjustment with the knife in order to take up the wear.

The rib 16 of the collar 12 is located in the opening between the ears of the clamping-section in order that they may oscillate together, at the same time permitting the clamping-section to move in the lengthwise direction of the collar.

I claim as my invention—

1. In a harvesting-machine, the combination of the bed of a machine, a projection extending from the bed, a finger-bar, and a coupling-bar forming a connection between the finger-bar and projection, that end of the coupling-bar connected to the projection made adjustable in connection therewith in the lengthwise direction thereof.

2. In a harvesting-machine, the combination of the bed of the machine, a finger-bar, a collar supported by the bed, and a coupling-bar forming a connection between the finger-bar and collar, and made adjustable in the lengthwise direction of the collar.

3. In a harvesting-machine, the combination of the bed of the machine, a finger-bar, a collar supported by the bed, and a coupling-bar forming a connection between the finger-bar and bed and made adjustable in the lengthwise direction of the collar, that end of the coupling-bar connected with the collar comprising a split clamping-section and a clamping-bolt.

GEORGE WILSON.

Witnesses:

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