

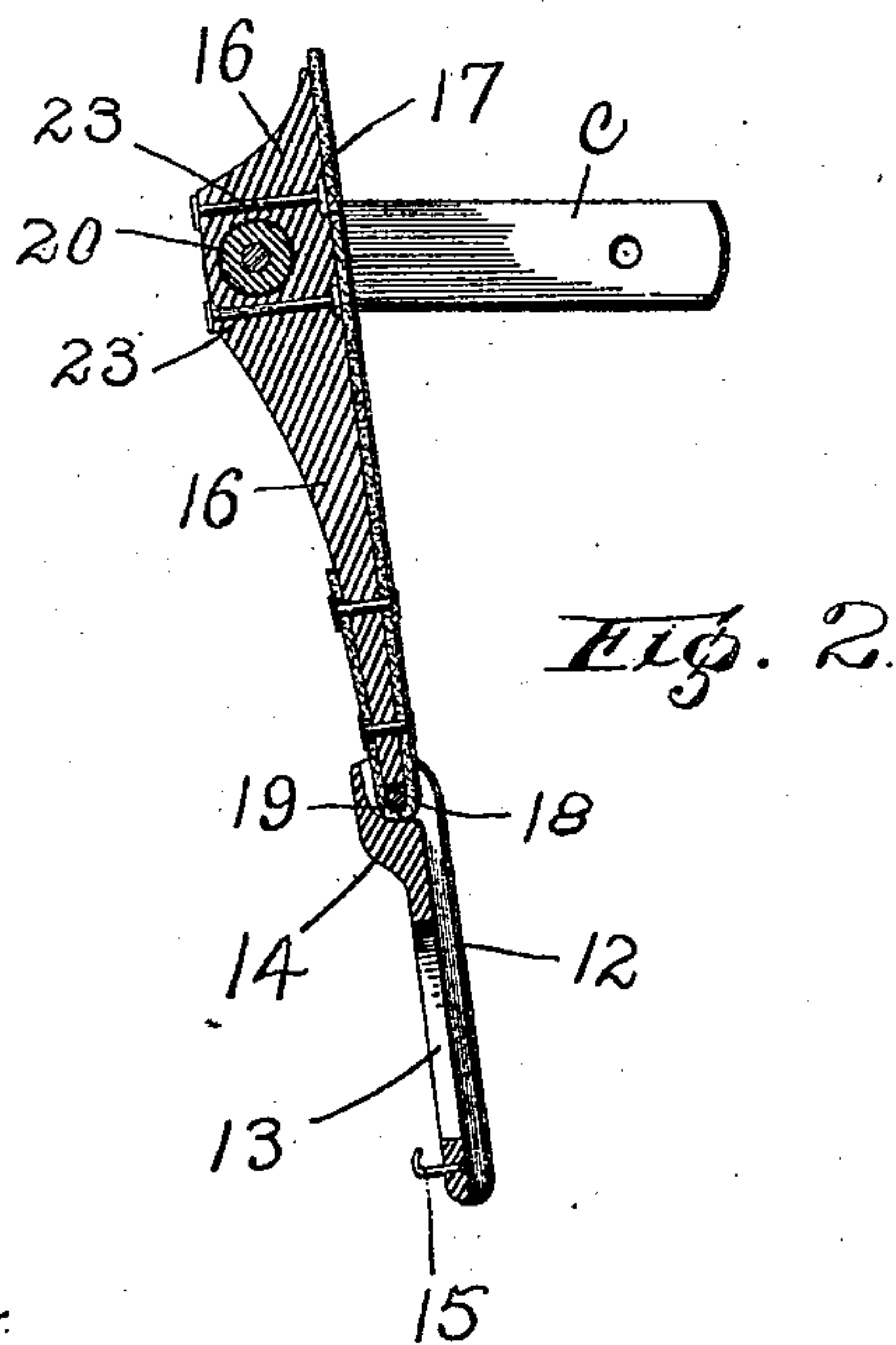
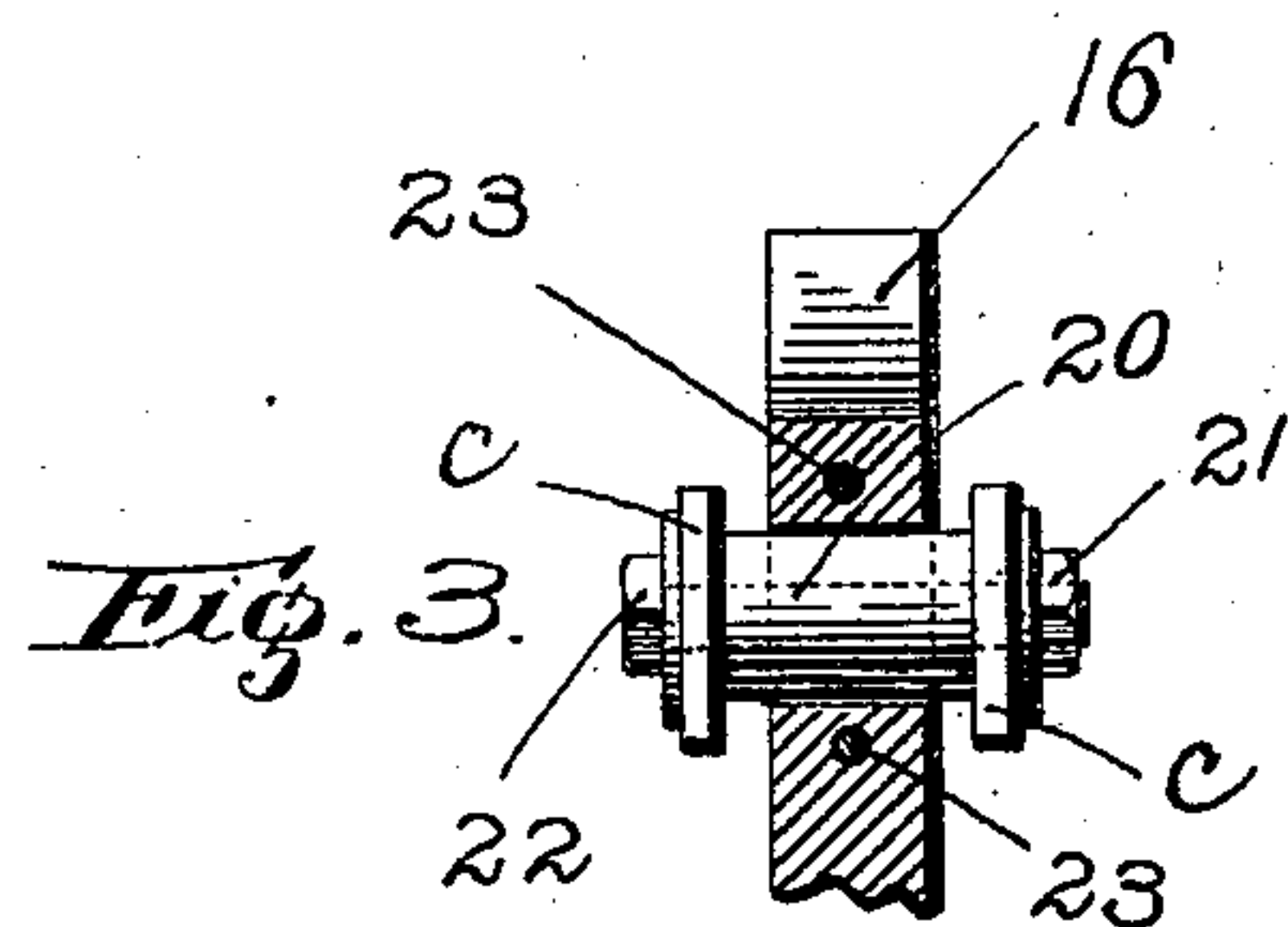
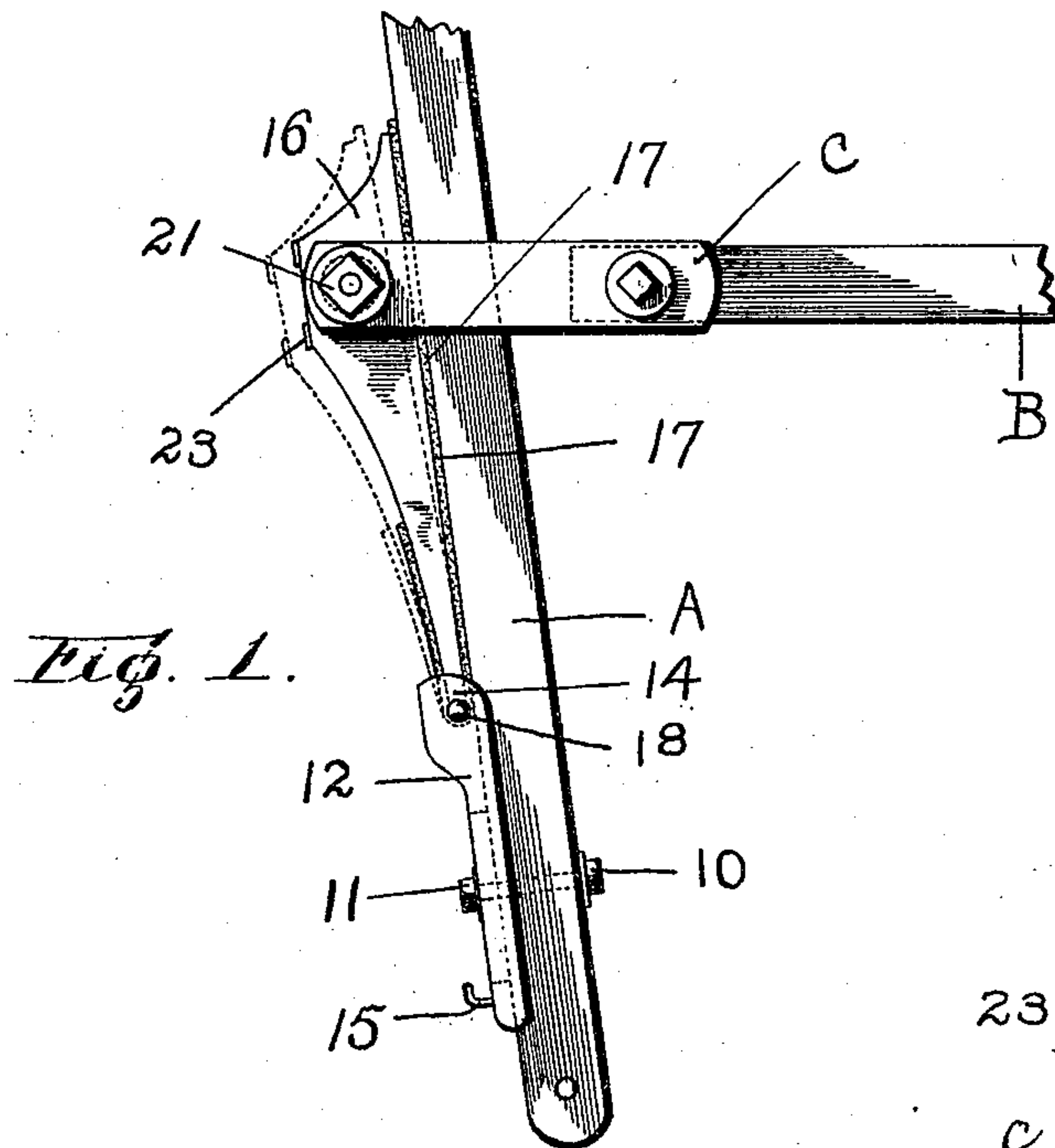
No. 694,352.

Patented Mar. 4, 1902.

E. CHEVERETTE.
CONNECTION FOR LOOM PICKER STICKS.

(Application filed Feb. 14, 1901.)

(No Model.)



Witnesses:
C. F. Wilson.
M. C. Regan.

Inventor
E. Cheverette.
By
Southgate & Southgate
attorneys.

UNITED STATES PATENT OFFICE.

EUGENE CHEVERETTE, OF FITCHBURG, MASSACHUSETTS.

CONNECTION FOR LOOM PICKER-STICKS.

SPECIFICATION forming part of Letters Patent No. 694,352, dated March 4, 1902.

Application filed February 14, 1901. Serial No. 47,269. (No model.)

To all whom it may concern:

Be it known that I, EUGENE CHEVERETTE, a citizen of the United States, residing at Fitchburg, in the county of Worcester and State of Massachusetts, have invented a new and useful Sweep-Strap Connection for Loom Picker-Sticks, of which the following is a specification.

This invention relates to an improved construction for connecting the picker-stick of a loom with its sweep-stick; and the especial object of this invention is to provide a simple, inexpensive, and readily-adjustable cushioned connection which may be applied to picker-sticks for looms, so as to operate the same with less noise and jar and with less liability of cracking and marring the picker-sticks themselves.

To these ends this invention consists of the picker-stick connection and of the combinations of parts therein, as hereinafter described, and more particularly pointed out in the claim at the end of this specification.

In the accompanying drawing, Figure 1 is a side view, partially broken away, of a picker-stick provided with a sweep-strap connection constructed according to this invention. Fig. 2 is a transverse sectional view of the connection, and Fig. 3 is an enlarged detail sectional view thereof.

In ordinary loom constructions the picker-stick is connected to the sweep-stick by means of a short strap, which passes around the picker-stick and is secured in place by a small loop or hanger. These parts are ordinarily made of leather, and in practice both the sweep-strap and its supporting-loop are liable to become quickly worn out and broken, and when breakages occur in the ordinary forms of picker-stick connections the shuttle in many cases stops before crossing the width of the loom and is allowed to remain within the shed, causing breakage and injury to the product when the same is beaten up by the lay.

A large number of special constructions have been devised for connecting a loom picker-stick with its sweep-stick; but in practice by far the larger number of looms still employ the old form of leather sweep-strap and support.

The especial object of my present invention is to provide a picker-stick connection com-

prising an adjustable pivot-piece, a rocker having a facing of leather which cushions the rocker and prevents the picker-stick from becoming worn thereby and which also connects the rocker with its pivot-piece.

Journaled near the upper end of the rocker is an annular wooden bushing which fits between the sweep-straps and may be connected thereto by a single bolt.

The sweep-straps may consist of two independent pieces of leather or of two independent pieces of wood or metal, as desired.

Referring to the accompanying drawings and in detail, A designates a loom picker-stick, and B the sweep-stick for operating the same. Bolted onto the sweep-stick B are the leather or wooden pieces C, which constitute the sweep-strap. Extending through the picker-stick near its lower end, where the same has comparatively little strain placed thereon, is a bolt 10, and fastened in place by a nut 11, threaded onto the bolt 10, is a pivot-piece 12. The pivot-piece 12 is grooved, so as to fit onto and reinforce the picker-stick A, and is provided with a slot 13 for receiving the bolt 10. At its upper end the pivot-piece 12 is provided with a socket 14, and at its lower end it is provided with a hook 15, to which the strap for drawing back the picker-stick may be connected. The wooden rocker-piece 16, which extends up from the pivot-piece 12, is provided with a leather facing 17, forming a loop 18 at its lower end inclosing a pivot-bolt 19, and I regard this as a feature of especial advantage in the construction of my picker-stick connection for looms.

In a number of prior devices in which a pivot-piece and a rocker connected therewith have been employed in connection with a picker-stick it has been found in practice that a considerable amount of wear will be brought upon the pivotal connection between the rocker and its pivot-piece, and inasmuch as the rocker-piece is ordinarily made of wood this connection frequently gives out or causes the rocker-piece to become split or broken, whereas by employing the leather facing 17 of the rocker-piece for the purpose of also forming a flexible connection between the rocker-piece and its pivot-piece I have provided a construction which is not liable to split the rocker-piece, which will operate with

comparatively little wear, and which may be readily repaired by renewing the leather facing 17 as frequently as may be required.

5 Journaled in the upper end of the rocker-piece 17 is an annular wooden bushing 20, which spaces the sweep-straps C apart and is secured thereto by a nut 21, threaded onto a bolt 22. At each side of the wooden bushing 20 the rocker 16 is provided with rivets 23
10 for preventing the same from splitting.

In the use of a picker-stick connection as thus constructed the amount of throw or power to be applied to the picker-stick can be regulated by loosening the nut 11 and moving the pivot-piece 12 up and down, as may
15 be required. The rocker-piece being cushioned or faced with leather will operate the picker-stick without marring or cutting into the same, the leather facing not only acting
20 as a cushion, but also forming a connection between the rocker and its pivot-piece, while by using the wooden bushing at the upper end of the rocker-piece a single nut is employed for fastening the sweep-straps.

25 I am aware that changes may be made in applying my picker-stick connection to looms by those who are skilled in the art without departing from the scope of my invention as expressed in the claims. I do not wish, there-

fore, to be limited to the construction which I have herein shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

In a picker-stick connection for looms, the combination of a fastening-bolt 10 extending
35 transversely through the picker-stick, a pivot-piece 12 adjustably clamped in place on the rear side of the picker-stick by the fastening-bolt 10, a rocker-piece 16 extending up from the pivot-piece, a leather facing 17 for the
40 rocker-piece 16 which extends down and forms a flexible connection between the pivot-piece 12 and the rocker 16, and a bushing 20 journaled in the upper end of the rocker-piece,
45 and having a bolt 22 passing through said bushing for clamping the sweep-straps thereto, whereby the bolt will turn with said bushing, and the parts may operate without tend-
50 ing to loosen the fastening-nut, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EUGENE CHEVERETTE.

Witnesses:

LOUIS W. SOUTHGATE,
PHILIP W. SOUTHGATE.