

(No Model.)

A. PREMO.

ANTIVIBRATING ATTACHMENT FOR WOODWORKING MACHINES.

No. 543,219.

Patented July 23, 1895.

Fig 2

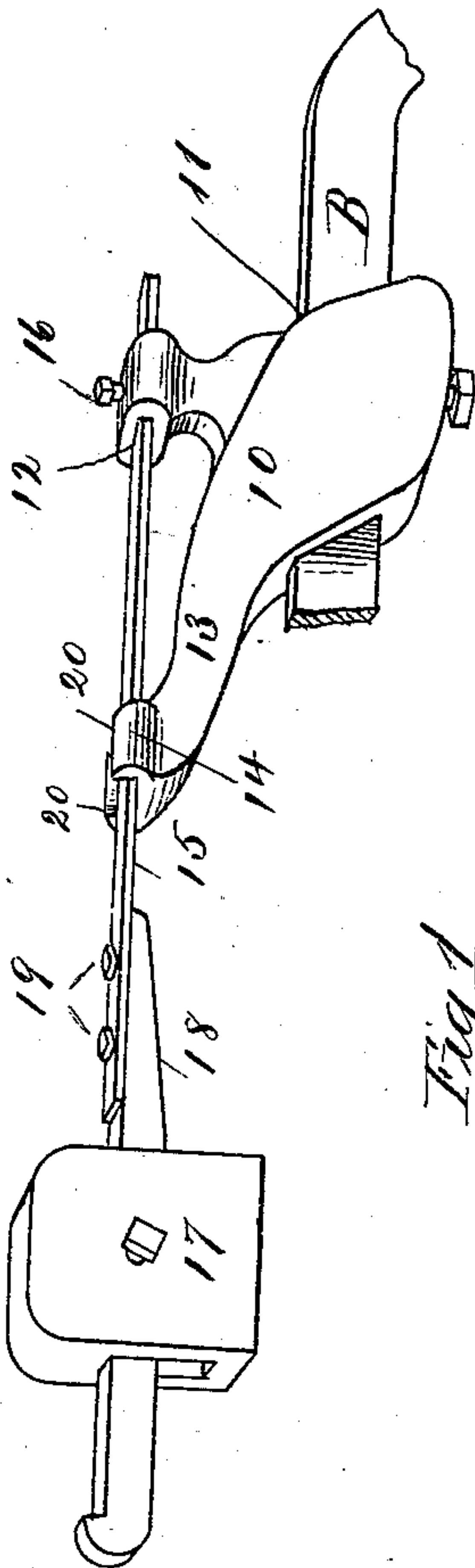
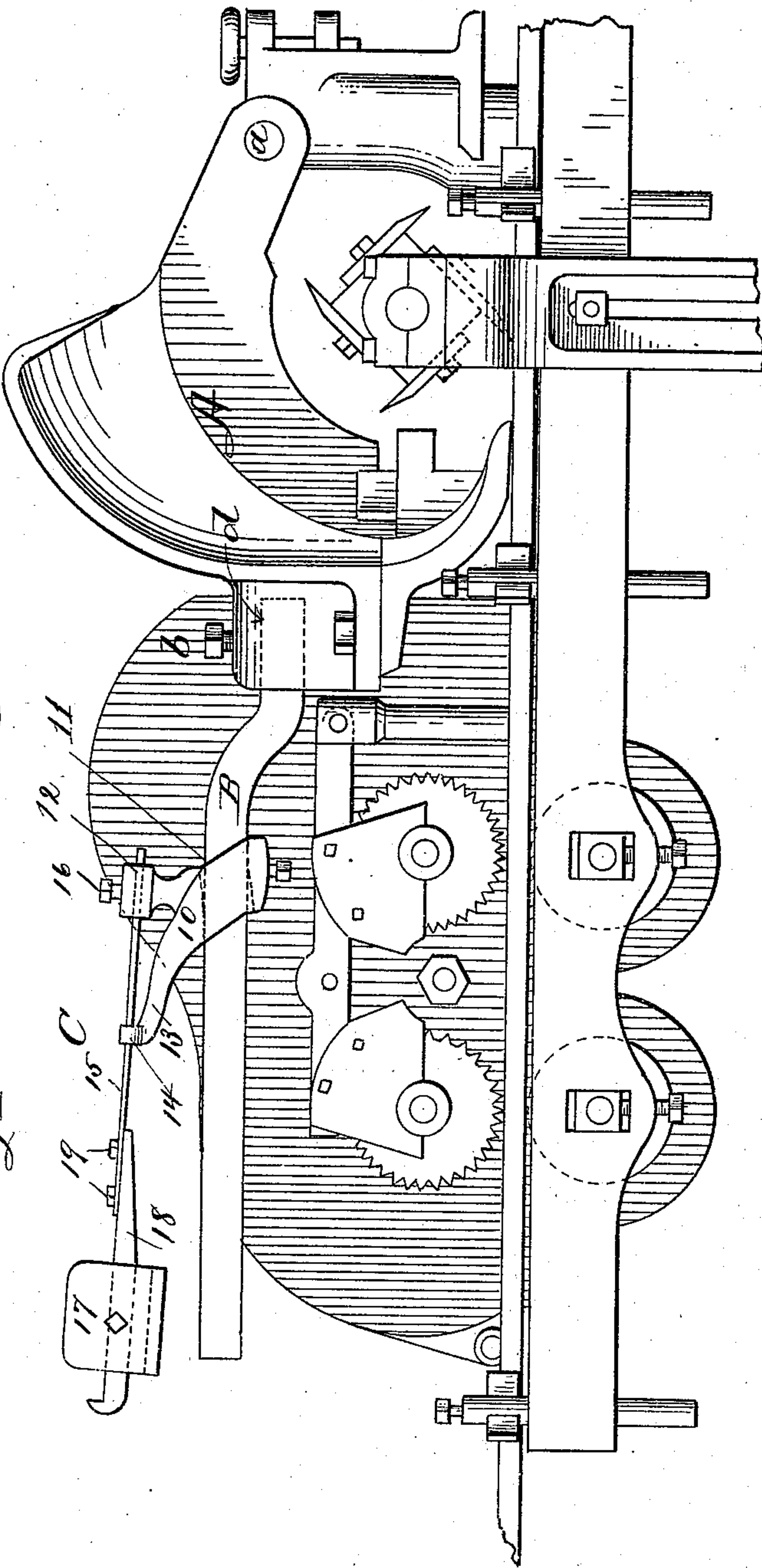


Fig 1



Witnesses
Wm. H. Chapin
H. J. Clemons

Inventor
Albert Premo
by Chapin & Co.
Attys

UNITED STATES PATENT OFFICE.

ALBERT PREMO, OF SPRINGFIELD, MASSACHUSETTS.

ANTIVIBRATING ATTACHMENT FOR WOODWORKING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 543,219, dated July 23, 1895.

Application filed March 7, 1895. Serial No. 540,827. (No model.)

To all whom it may concern:

Be it known that I, ALBERT PREMO, a citizen of the United States of America, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Antivibratory Attachments for Woodworking-Machines, of which the following is a specification.

This invention relates to improvements in antivibratory pressure-bar levers for wood-working-machines, the object of the invention being to improve the construction of devices of this class for an increased efficiency in minimizing the vibration or chattering of the chip-breaker, and for rendering the improved bar adaptable on the ordinary weight-carrying pressure-bar levers as usually applied to the chip-breakers of planing and similar machines already in use.

In the accompanying drawings, Figure 1 is a side elevation of a planing-machine with the present improved appliance thereon. Fig. 2 is a perspective view of the improved appliance.

In the drawings, A represents the usual chip-breaker and pressure-shoe of the machine hung on the pivot *a*, and having, as usual, the extension-bar lever B, set and held by the set-screw *b* within the socket *d* therefor in the chip-breaker.

C represents the new appliance, the same consisting of a bracket 10, having the aperture 11 to fit about and be confined adjustably on the bar-lever B by the set-screw, and having the socket 12 and the extension-arm 13, the upturned end 14 of which constitutes a fulcrum, and further consisting of the flat spring-bar 15, having its one end portion adjustably confined by set-screw 16 in and through said socket 12, having its intermediate portion at rest on said fulcrum end 14 of the bracket, and carrying at its extremity the weight 17, which, preferably, is mounted on a rigid section or bar 18 that is riveted, as at 19, to the free extremity of the said spring-bar 15.

The sensitiveness or stiffness of the appliance may be varied by adjusting the spring-bar inwardly or outwardly in and through the socket 12 therefor.

The portion 14 constituting the fulcrum has the upstanding lugs 20 20 at either side to prevent lateral displacement of the spring-bar.

The appliance, comprising the bracket spring-bar and extension for the support of the weight, may be slipped over the ordinary non-deflecting extension or weight-bar lever B of the machines at present in use, the weight which is found thereon being removed and placed upon the said part 18 of the appliance of this invention.

Having thus described the invention, what I claim, and desire to secure by Letters Patent, is—

1. In a planing machine, an attachment therefor which is adapted to be mounted on the chip breaker lever, consisting of a bracket attached to said lever, a spring secured at one end to the bracket and having an intermediate bearing thereon, and a weight mounted directly upon the free end of the spring and supported entirely thereby, substantially as shown.

2. An attachment for the presser bar lever of a planing or similar machine, consisting of a bracket that is adjustably fastened to the bar lever, and provided with securing means, and a separate bearing surface, combined with a spring attached to the bracket, by said securing means, and supported by the bearing at a point between its ends; and a weight applied to the outer free end of the spring and supported entirely thereby, and which spring has a free vibratory motion independently of the presser bar lever, substantially as set forth.

ALBERT PREMO.

Witnesses:

WM. S. BELLOWES,
K. I. CLEMONS.