

No. 771,732.

PATENTED OCT. 4, 1904.

F. B. JOHNSON.  
LAWN MOWER SHARPENER.  
APPLICATION FILED JAN. 25, 1904.

NO MODEL.

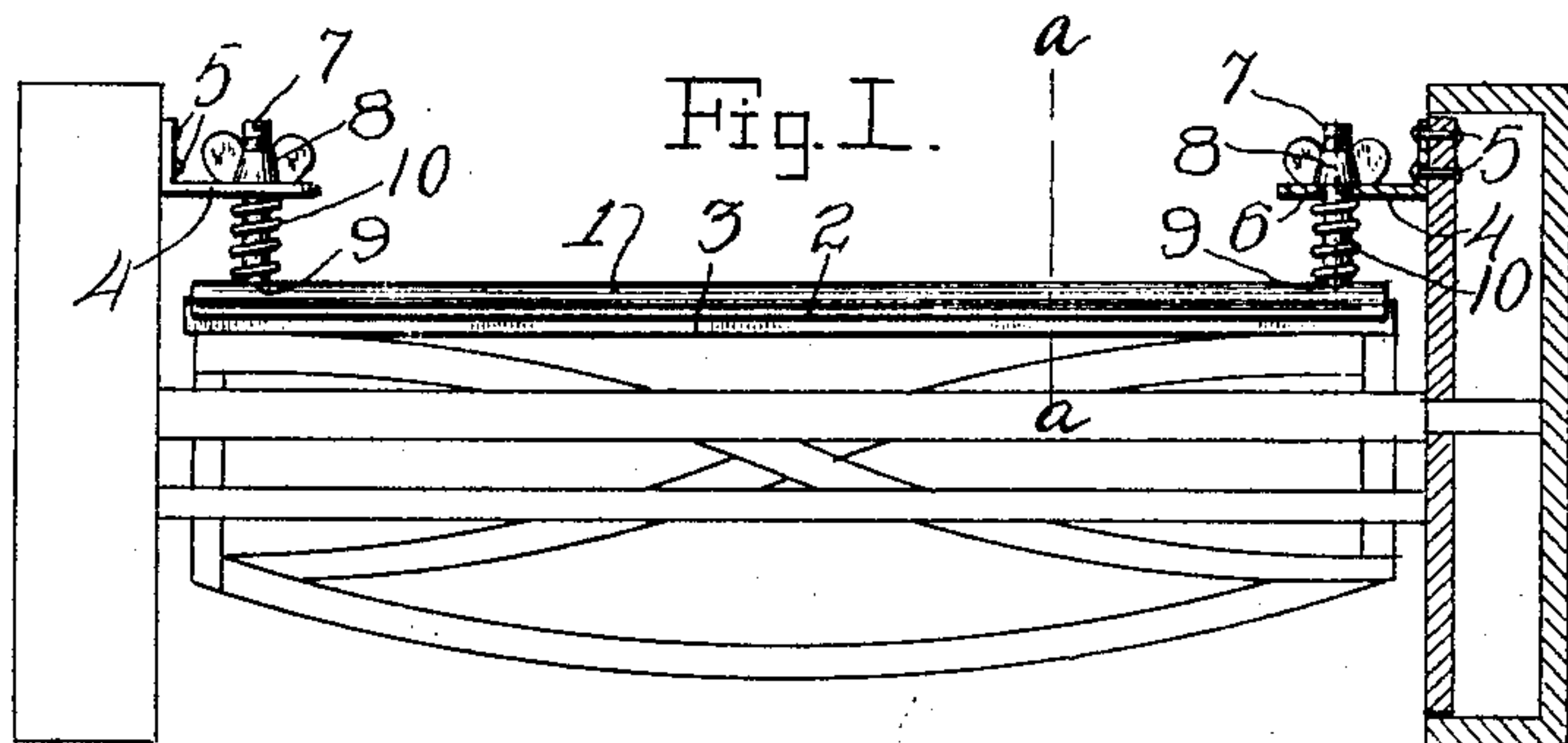
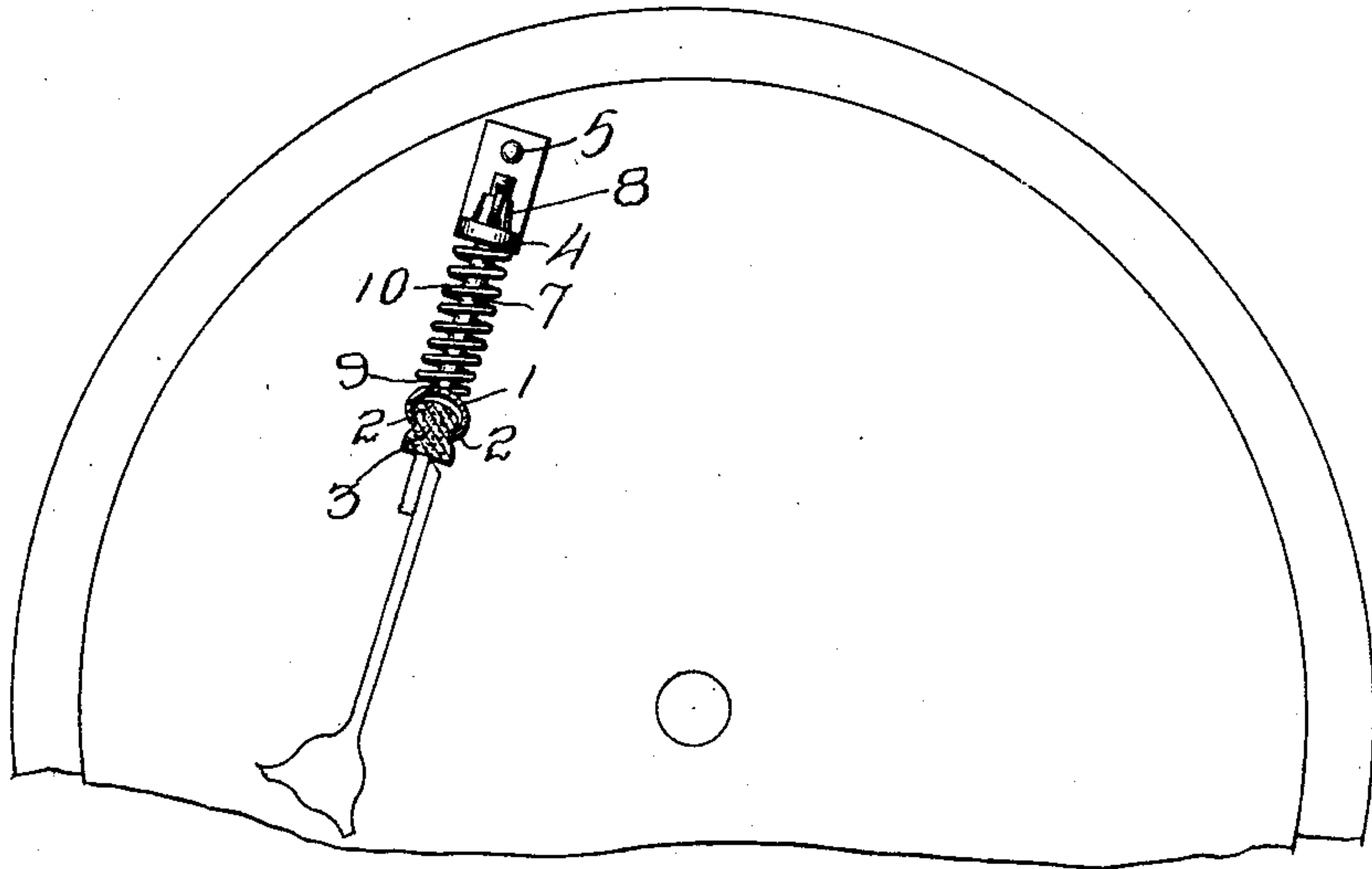


Fig. 2.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

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## LAWN-MOWER SHARPENER.

SPECIFICATION forming part of Letters Patent No. 771,732, dated October 4, 1904.

Application filed January 25, 1904. Serial No. 190,584. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK BOWEN JOHNSON, a citizen of the United States, residing at Addison, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Lawn-Mower Sharpeners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is an improved lawn-mower sharpener; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

The object of my invention is to provide an improved device of this character which may be readily attached to an ordinary lawn-mower and employed when the lawn-mower is in operation for sharpening the knives thereof.

In the accompanying drawings, Figure 1 is an elevation of a lawn-mower sharpener embodying my improvements, showing the same secured to a lawn-mower in position to operate upon the knives thereof. Fig. 2 is a detail transverse sectional view of the same, taken on the plane indicated by the line *a a* of Fig. 1.

In the construction of my improved lawn-mower sharpener here shown I provide a bar or frame 1, which is preferably made of iron or some other suitable metal and is provided on its underside with downwardly-converging side flanges 2, adapted for engaging the sides of a bar of emery or other suitable abrasive 3 and to hold the same in place against the lower side of the bar or frame 1. The latter, together with the abrasive 3, is of a length corresponding to that of the knives of the lawn-mower. I also provide a pair of angle supporting-brackets 4, which are adapted to be secured to the disks at the inner side of the wheels of the lawn-mower by means of bolts 5, which permit of the ready attachment and detachment of said angle-brackets. In each of the angle-brackets is an unthreaded opening 6, through which extends an adjusting-screw 7, preferably provided with a winged nut 8, adapted to be readily grasped and

turned. The lower ends of the screws are swiveled to the bar or frame 1, which carries the abrasive, as at 9, and on the said adjusting-screws are coiled springs 10, which bear between the bar or frame 1 and the under sides of the brackets 3 and, while permitting of the adjustment of the bar or frame 1, together with the abrasive, toward or from the knives of the lawn-mower, serve to cushion the same, so that the abrasive will yield somewhat when struck by a lawn-mower knife and will be prevented from bearing too strongly against the same.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of my invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A lawn-mower sharpener, comprising a bar or frame having means to detachably secure an abrasive to one side thereof, supporting-brackets having means to secure them to the disks at the inner sides of the wheels of the lawn-mower, adjusting-screws swiveled to the bar or frame and passing through openings in the brackets, adjusting-nuts on said screws to bear against the upper sides of the brackets, and springs bearing against the bar or frame to press the latter from the brackets and to cushion said bar or frame for the purpose set forth, substantially as described.

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

FRANK BOWEN JOHNSON.

Witnesses:

GEO. H. WEATHERBY,  
JACOB FIX.