

No. 697,562.

Patented Apr. 15, 1902.

C. A. ST. ONGE.  
PICKER CHECK FOR LOOMS.

(Application filed Dec. 5, 1901.)

(No Model.)

Fig. 1.

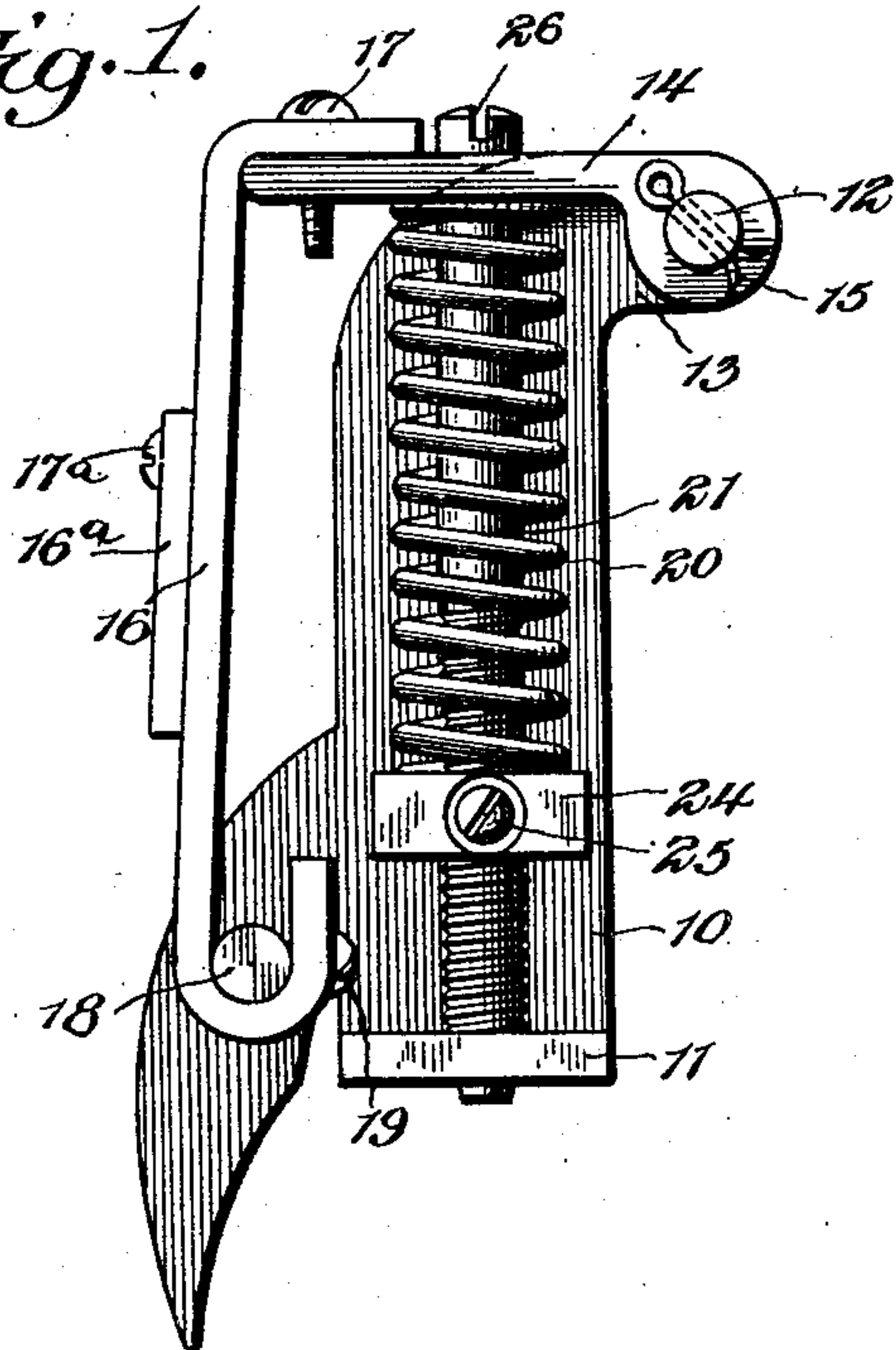


Fig. 2.

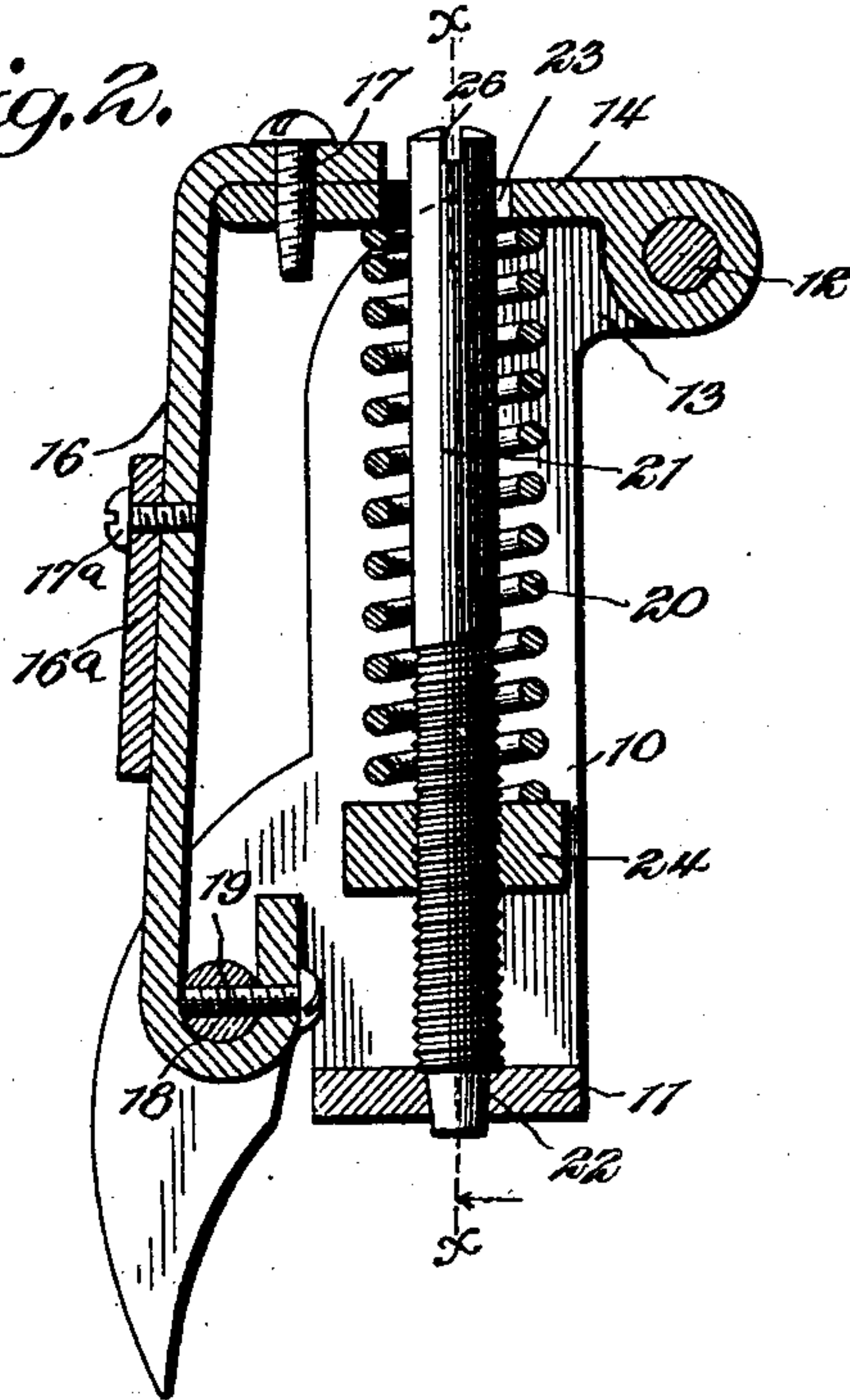


Fig. 3.

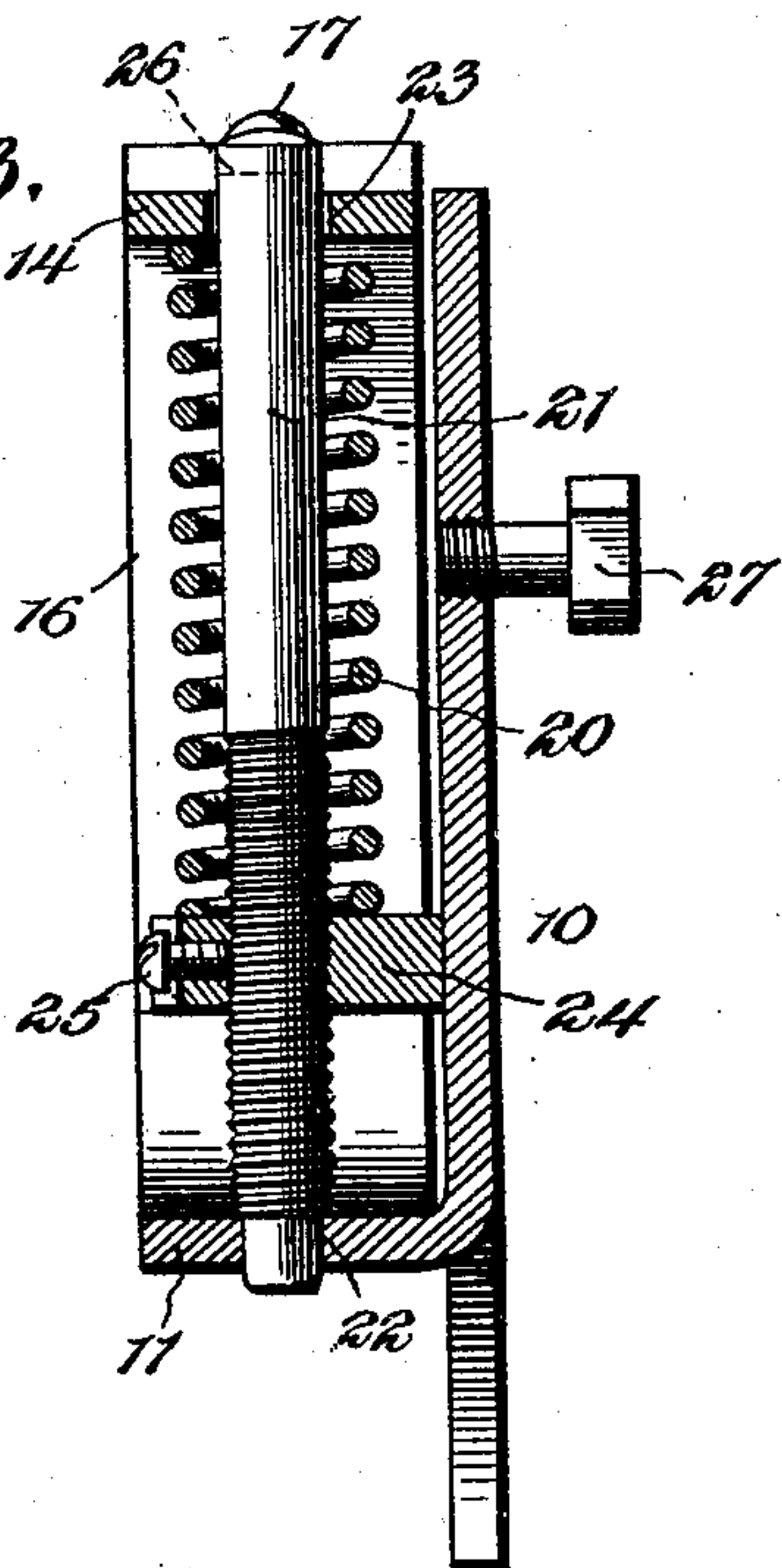
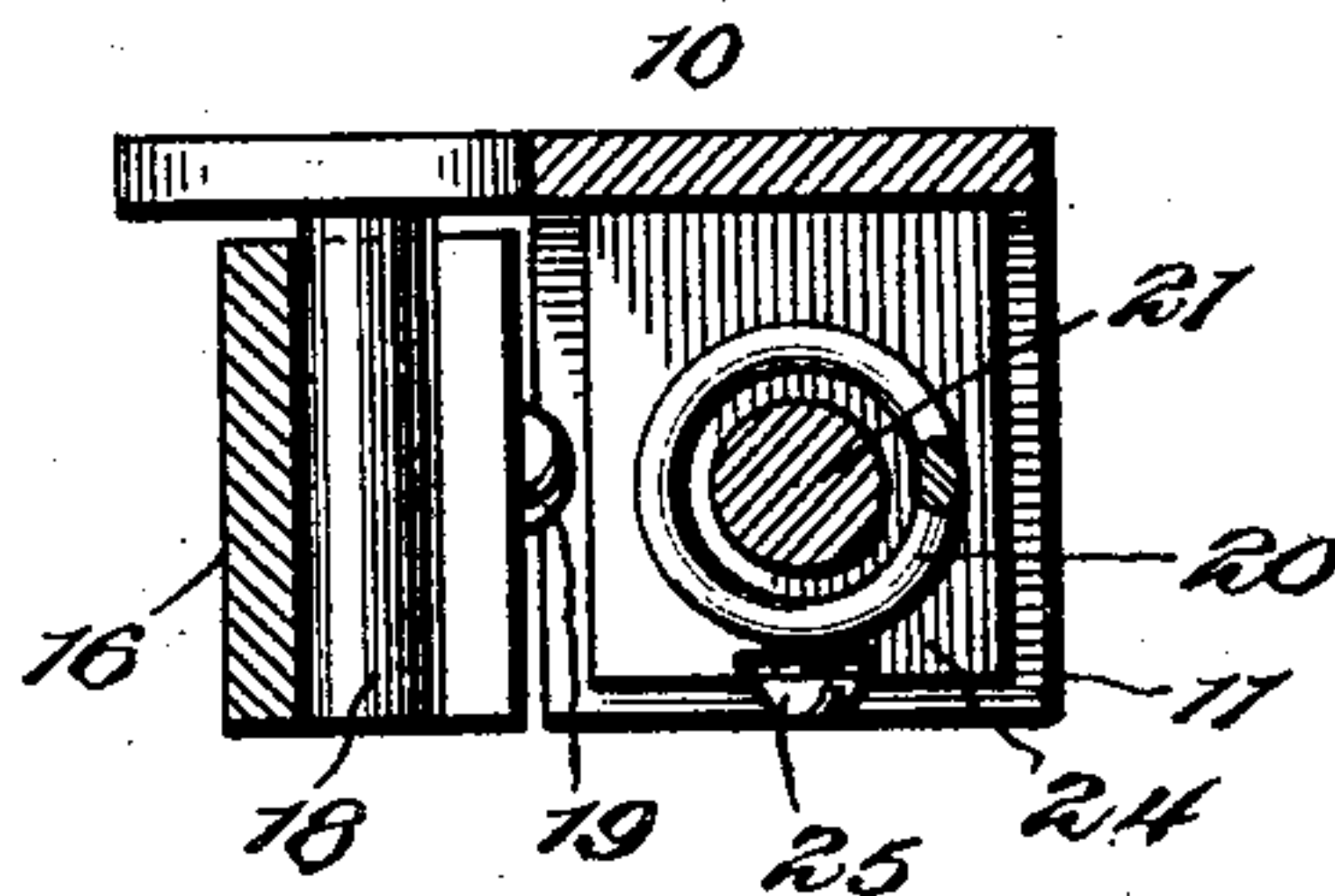


Fig. 4.



Witnesses  
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# UNITED STATES PATENT OFFICE.

CHARLES AMOS ST. ONGE, OF DOVER, MAINE.

## PICKER-CHECK FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 697,562, dated April 15, 1902.

Application filed December 5, 1901. Serial No. 84,834. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES AMOS ST. ONGE, a citizen of the United States, residing at Dover, in the county of Piscataquis and State of Maine, have invented a new and useful Picker-Check for Looms, of which the following is a specification.

This invention relates to picker-checks for looms; and the object thereof is to provide a device of this character which may be readily applied or removed from a loom and is reliable and quickly responsive in operation.

More particularly, the aim of the invention is to provide a check employing a flexible strap and so constructed that said strap is not subjected to frictional wear against any of the other elements, at the same time being readily removable, so as to permit of its replacement by another when worn.

A further important feature resides in the means by which the tension upon the strap may be regulated to suit the requirement of the work done.

In the accompanying drawings there is illustrated an embodiment of the invention which is at present considered preferable, the construction and operation thereof being fully described in the following specification. It will of course be understood that changes may be made from this construction, provided they are within the scope of the claims hereto appended.

In the drawings, Figure 1 is a side elevation of a check constructed in accordance with the invention. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a vertical sectional view on the line X X of Fig. 2. Fig. 4 is a horizontal sectional view.

In carrying out the invention a suitable support is provided, comprising a frame or body 10, having an outstanding ear 11 at one end and a pin 12 at the other, said pin being preferably mounted upon an offset portion 13. A holding device in the form of a plate 14 is pivotally mounted at one end upon the stem 12 and is held in place thereon by a key 15. To the other end of this holding-plate is secured one end of a flexible check-strap 16 by means of a fastening-screw 17. This strap is preferably made of leather, and its other end is passed about a post 18, located upon the end of the body opposite the holding-plate,

said strap being fastened by means of a screw 19. A reinforcing-strip 16<sup>a</sup> is preferably secured by means of a screw 17<sup>a</sup> to an intermediate portion of the strap.

In order to hold the strap 16 taut against the action of the shuttle, a tension-spring 20 is mounted upon the frame 10 and bears against the holding-plate 14 between its pivot-point and the point of attachment of the strap. The tension of the spring may be regulated by means of an adjusting-screw 21, that passes through said spring and has its lower end journaled in an opening 22 in the ear 11, while its other end is rotatably mounted in an opening 23 in the holding-plate. Threaded upon the screw is a compressor-nut 24, that forms a bearing for the lower end of the spring and carries a set-screw 25, which may engage with the adjusting-screw to hold the nut against movement. The upper end of the adjusting-screw has a transverse slot 26, designed to receive a screw-driver or similar instrument for turning the same.

In applying the device it is dropped into place and secured by a set-screw 27, as will be readily understood. In operation when the strap 16 is struck the holding-plate 14 will be swung inwardly against the tension of the spring, and said tension may be regulated as desired by rotating the adjusting-screw 21. By this construction, therefore, it will be seen that an extremely simple device is provided, in which the strap has no sliding movement over any of the elements, and its life is thereby prolonged. However, when it does become worn it may be readily removed by taking out the fastening-screws 17 and 19 and replaced by another.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a device of the class described, the



combination with a support, of a holding-plate movably mounted on the support, a flexible check-strap secured to the holding-plate, and a tension-spring engaging the holding-plate.

5 2. In a device of the class described, the combination with a support, of a holding-plate movably mounted on the support, a flexible check-strap secured to the holding-plate, a tension-spring engaging the holding-plate,  
10 and means for regulating the tension of the spring.

3. In a device of the class described, the combination with a support, of a holding device pivoted upon the support, a flexible  
15 check-strap connected to the holding device, and a tension-spring engaging the holding device.

4. In a device of the class described, the combination with a support, of a holding device pivoted upon the support, a flexible  
20 check-strap connected to the holding device, a tension-spring engaging the holding device, and mechanism for regulating the tension of the spring.

25 5. In a device of the class described, the combination with a support, of a holding device pivoted to the support at one end, a flexible check-strap secured to the free end of the holding device, and a tension-spring mounted  
30 upon the support and bearing against the holding device.

6. In a device of the class described, the

combination with a support, of a holding device pivoted to one end of the support, a flexible check-strap secured to the opposite end  
35 of the support at one end and attached at its opposite end to the holding device, and a tension-spring engaging the holding device.

7. In a device of the class described, the combination with a support, of a holding-plate  
40 pivoted to the support at one end, a flexible check-strap secured to the free end of the holding-plate, a coiled tension-spring engaging the holding-plate between its pivot and the point of attachment, and means for regu-  
45 lating the tension of the spring.

8. In a device of the class described, the combination with a support, of a holding-plate pivoted to one end of the support, a flexible  
50 check-strap secured to the opposite end of the support and attached to the holding-plate, a tension-spring engaging the holding-plate between its pivot and the point of attachment of the check-strap, an adjusting-screw  
55 passing through the spring, and a nut threaded on the screw and engaging said spring.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES AMOS ST. ONGE.

Witnesses:

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WILLIAM T. ELLIOTT.