

(No Model.)

J. U. FRYE.

ORGAN BELLOWS AND TREADLE WEB CLAMP.

No. 562,386.

Patented June 23, 1896.

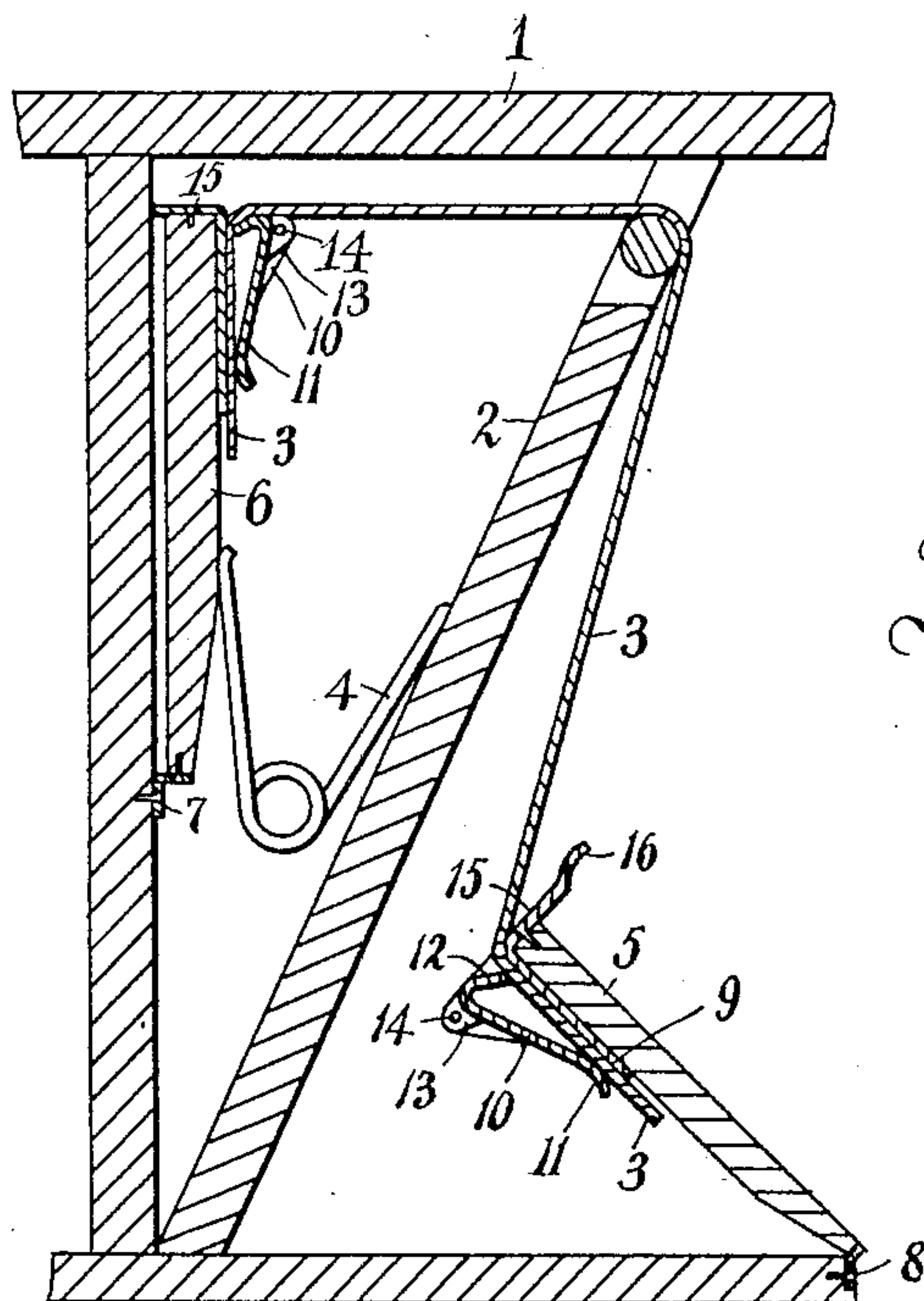


Fig. 1

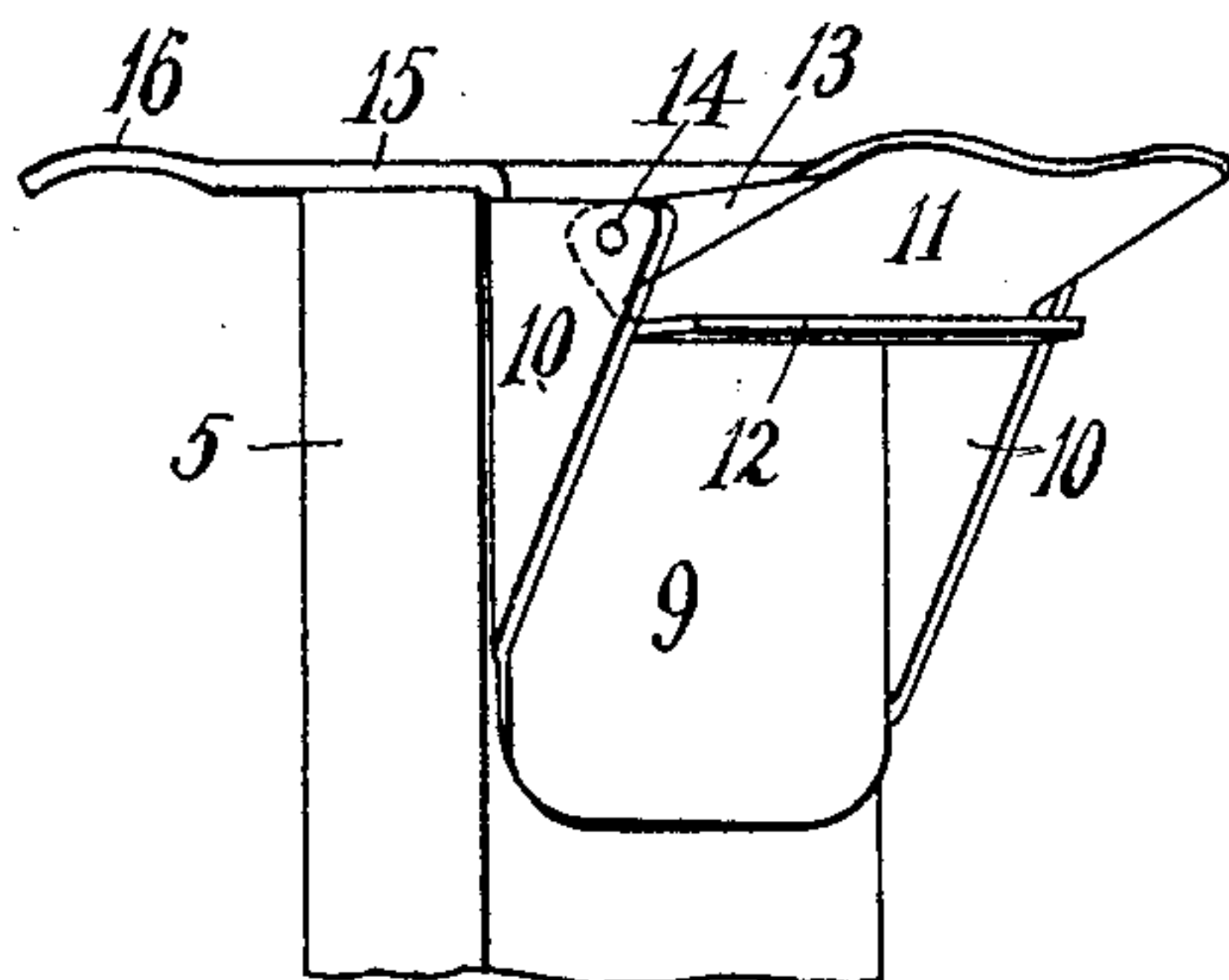


Fig. 2

WITNESSES:

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# UNITED STATES PATENT OFFICE.

JAMES U. FRYE, OF SAGINAW, MICHIGAN.

## ORGAN-BELLOWS AND TREADLE-WEB CLAMP.

SPECIFICATION forming part of Letters Patent No. 562,386, dated June 23, 1896.

Application filed March 21, 1896. Serial No. 584,341. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES U. FRYE, a citizen of the United States, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Organ-Bellows and Treadle-Web Clamps; 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention is a device for adjusting the connection between the treadle and the bellows of an organ.

Heretofore it has been common to tack or otherwise rigidly secure the web or strap connecting the two to the parts, making it necessary when the web breaks or wears out or stretches to remove a large part of the working parts of the organ, at great expense and trouble, in order to get at the parts to be repaired, when the web and its fastening will have to be ripped or otherwise forcibly removed from the bellows or treadle, to be again replaced by tack, &c.

My invention provides means for removably securing the web or strap to the parts, and for adjusting or taking up any stretching or wear, and also for protecting the web from being worn by the toe of the shoe, as is common.

Figure 1 is a sectional view showing the clamp as applied. Fig. 2 is a perspective of the back of the treadle provided with my attachment.

In the drawings, 1 and 2 represent the framework of the organ.

3 is the web or strap connecting the treadle to the bellows or blower attachment 6.

4 is a spring, as is common, for replacing the part 6 after the depressing of the treadle 5.

7 and 8 are hinges connecting the parts 6 and 5, respectively, to the frame.

9 is the body of a clamp, and is secured to the under side of the treadle 5, and is provided with the outwardly-extending flanges 10, parallel, and having each a hole for the journal 14 of the cam 11, which is secured

thereby between the flanges 10. This cam comprises the arm 11 and the inwardly and downwardly extending portion 12, adapted when the arm is turned down to press against the body 9 and firmly secure anything between them. This clamp is of sufficient width to receive the web and thus firmly secure it to the treadle.

Should the web 3 stretch, as is common, thereby letting the treadle down too low, and also prevent the full stroke of the treadle, it can be readjusted by passing the hand around and under the treadle, turning up the arm 11, pulling the web through to the proper degree, and again turning down the arm, clamping the web as before. The body 9 has also the lateral extension 15, extending oppositely from the flanges 10, and across and beyond the end of the treadle and forming the toe-piece 16, against which the end of the toe will rub instead of the web 3, back of it, thereby protecting the web and adding to its wear and life. I have illustrated the same clamp applied to the bellows part 6. The application is the same and for the same purpose. The clamp, however, that is applied to the bellows part 6 has not the toe-piece 16.

The object of my invention, as previously stated, is to provide an adjustable clamp for securing the web, and any change may be made suggested by mechanical skill without departing from the principle of my invention.

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

1. In an organ, the means described for adjusting the treadle and web, comprising a clamp attached to the treadle and receiving and holding the web, as specified.

2. In an organ the adjustable means described for securing the treadle to the bellows-strap, comprising a clamp secured to the treadle, or bellows, or both, and adapted to receive the strap and firmly clamp it at the desired length.

3. In an organ, an attachment secured to the treadle whereby the connection between the treadle and blower may be adjusted comprising a clamp for receiving and holding the connection, as specified.

4. In a clamp for securing the bellows-web



to the treadle of an organ, comprising a bed-piece, a cam journaled in the bed-piece, a toe-piece extending above the end of the treadle for protecting the web from the toe of the  
5 shoe, as specified.

5. In a device for securing the bellows-web to the treadle, the combination with the treadle, the bellows, and the web, of the clamp

described adapted to adjust the web, as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES U. FRYE.

Witnesses:

J. F. O'KEEFE,

A. H. SWARTHOUT.