

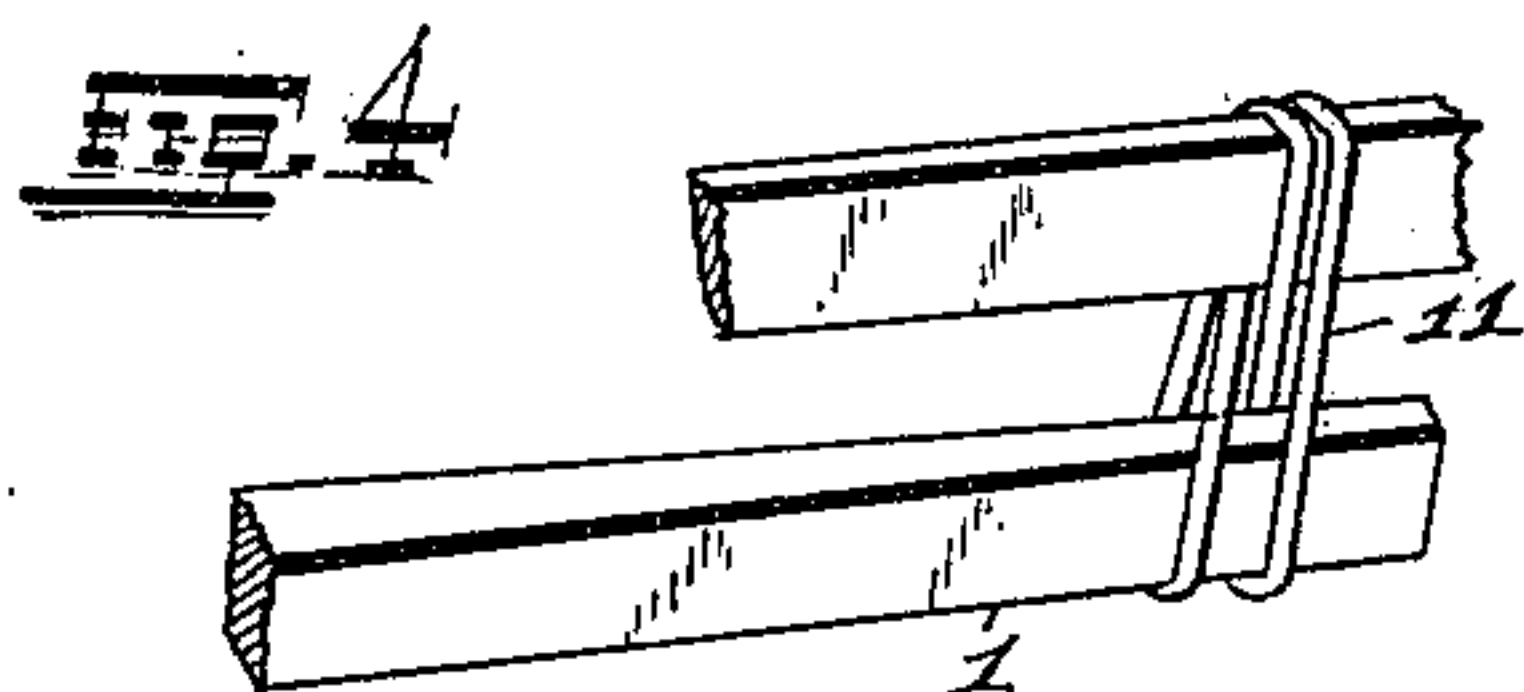
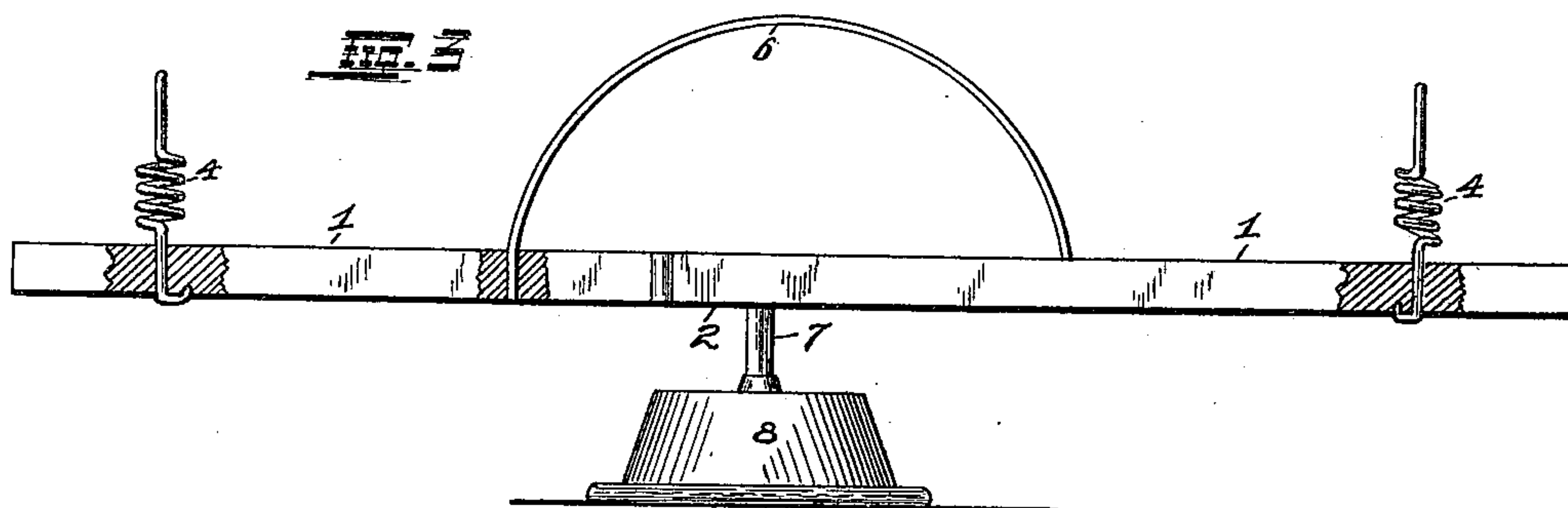
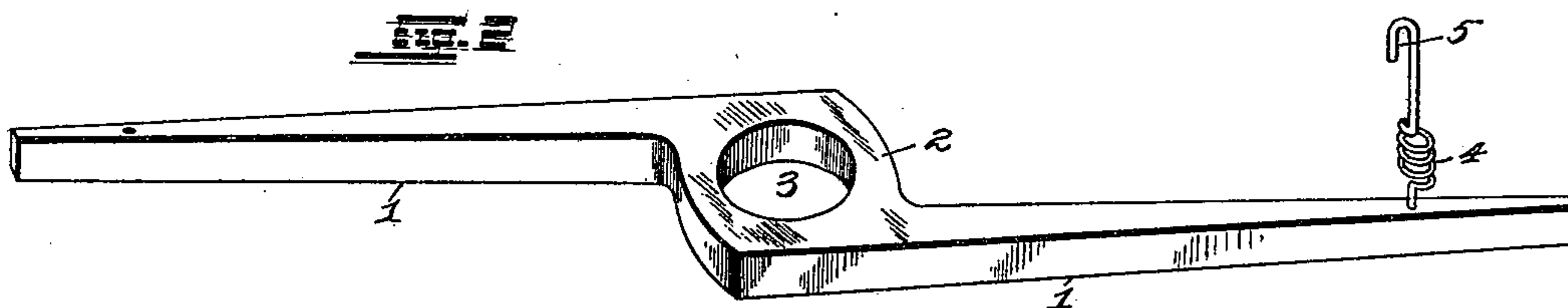
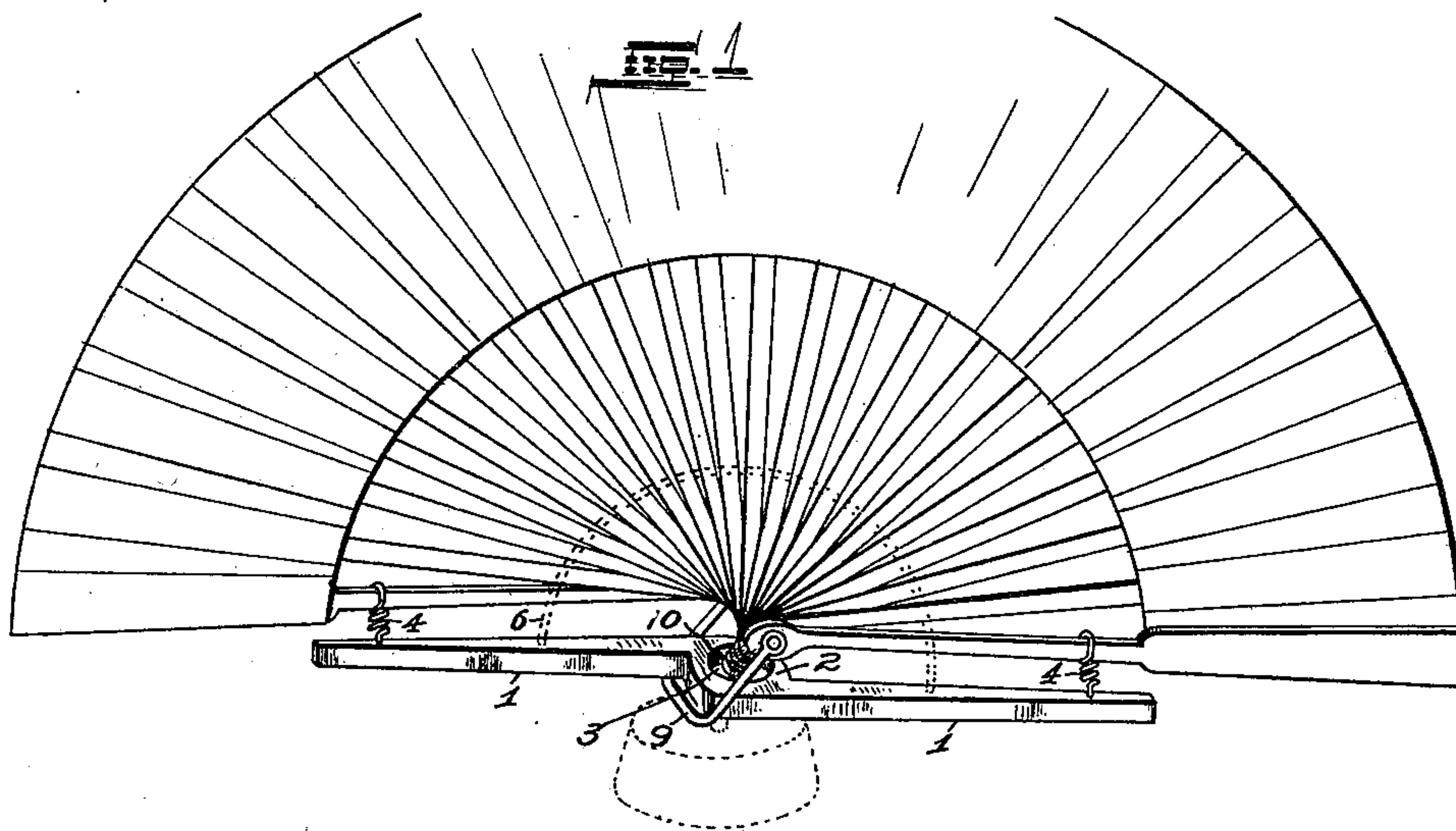
No. 644,463.

Patented Feb. 27, 1900.

J. H. RIVERS.
FAN SUPPORT AND SPREADER.

(Application filed Nov. 20, 1899.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

JULIAN H. RIVERS, OF ST. LOUIS, MISSOURI.

FAN SUPPORT AND SPREADER.

SPECIFICATION forming part of Letters Patent No. 644,463, dated February 27, 1900.

Application filed November 20, 1899. Serial No. 737,611. (No model.)

To all whom it may concern:

Be it known that I, JULIAN H. RIVERS, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Fan Supports and Spreaders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The object of this invention is to construct a device by which a fan may be easily retained in an open and upright position, suitable for use in display-windows and the like.

Figure 1 shows my improved support and spreader in use. Fig. 2 is an enlarged view in perspective. Fig. 3 is a side view with parts broken away. Fig. 4 is a view showing a modification of a part of the device shown in Figs. 1, 2, and 3.

In the drawings, 1 denotes the two arms, integral with opposite sides of and projecting in opposite directions from the shoulder 2, in which shoulder is an aperture 3 of any suitable dimensions, the purpose of which is hereinafter explained. To the outer end of each of the arms 1 may be secured the lower end of a coil-spring 4, the upper end of each of which is formed into a hook 5. To each of the arms and nearer the shoulder than are the springs above mentioned is secured one end of a loop-brace 6.

The device may be provided with a base and support, as shown in Fig. 3, in which 7 denotes a standard, the upper end of which is secured to the shoulder 2 and the lower end to the base 8. By these means the spreader may be supported in a plane parallel with but some distance above the body on which the said base 8 rests.

When it is desired to use the device, it is applied to a fan, as shown in Fig. 1, by placing one arm through the loop 9, so that the knuckle 10 of the fan projects as far as possible into the aperture 3. When this is done, the hook 5 of each of the coil-springs 4 is placed over the outer rib of the fan on that

side. The fan is thereby retained in an upright position, resting against the loop-brace 6 on the rear side of said fan. By these means the fan is held in an open upright position very convenient for inspection or for retaining an open position of the fan in a display-window.

In Fig. 4 is shown a substitution for the springs 4, consisting of a rubber band 11, which, as is shown, is passed over the outer rib of the fan, and the ends are then passed around the arms 1. This performs the same function as the springs and is found to be quite as convenient.

I claim—

1. A support and spreader for fans, comprising a shoulder, a plurality of arms integral with said shoulder, a means carried by said arms for retaining a fan in an upright position, and a separate means carried by the said arms for retaining a fan in an open position, substantially as specified.

2. A fan support and spreader, comprising a shoulder having an aperture in its center, arms projecting from said shoulder, a brace secured to said arms, and a means carried by the said arms for retaining the fan in an open position, substantially as specified.

3. A fan support and spreader, comprising a shoulder having an aperture in its center, arms projecting from said shoulder, a brace secured to said arms, and a coil-spring having a hook on its upper end attached to each of said arms, substantially as specified.

4. A fan support and spreader, comprising a shoulder having an aperture in its center, arms projecting from said shoulder, a brace secured to said arms, a coil-spring having a hook on its upper end attached to each of said arms, and a suitable base and support for supporting the device, substantially as specified.

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

JULIAN H. RIVERS.

Witnesses:

ALFRED A. EICKS,
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