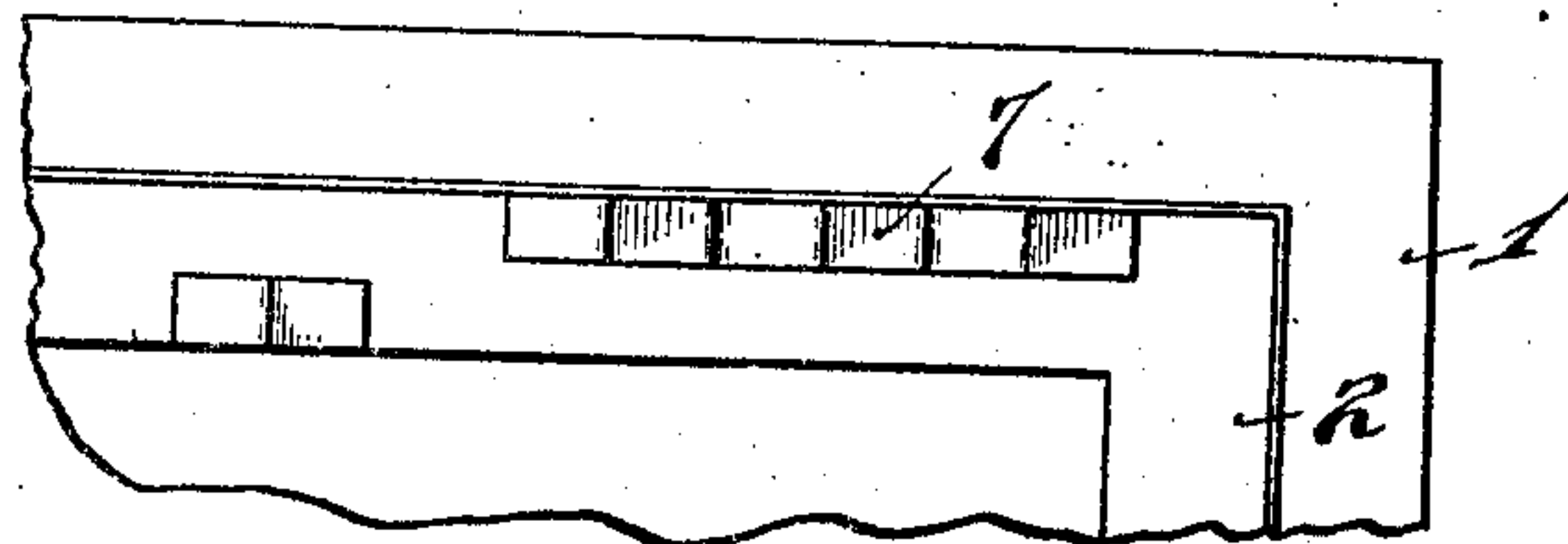
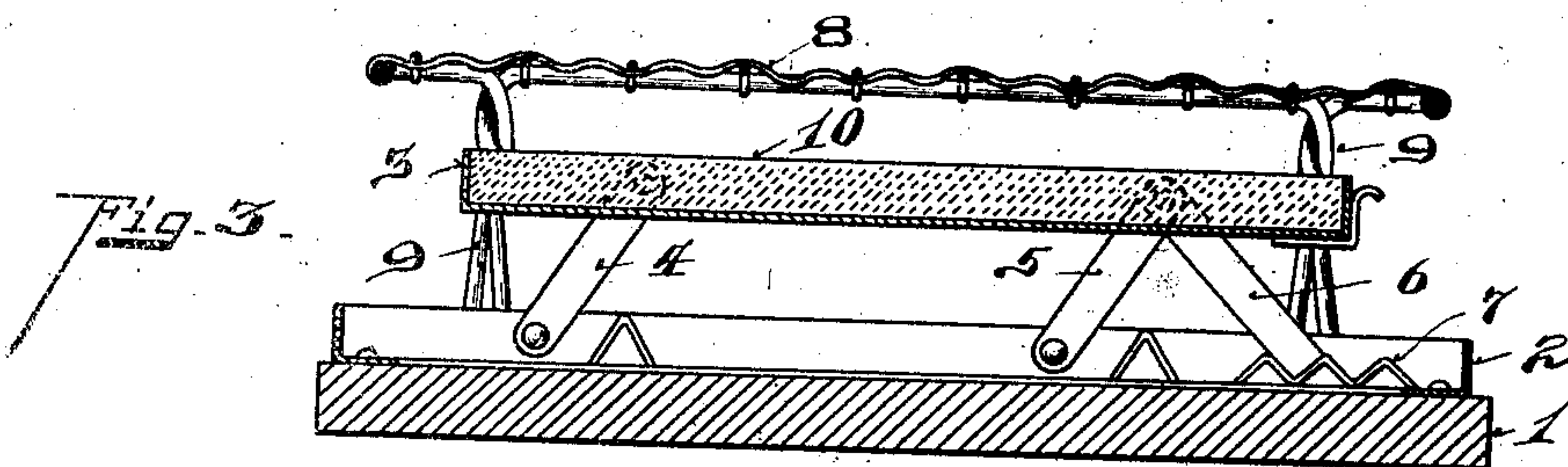
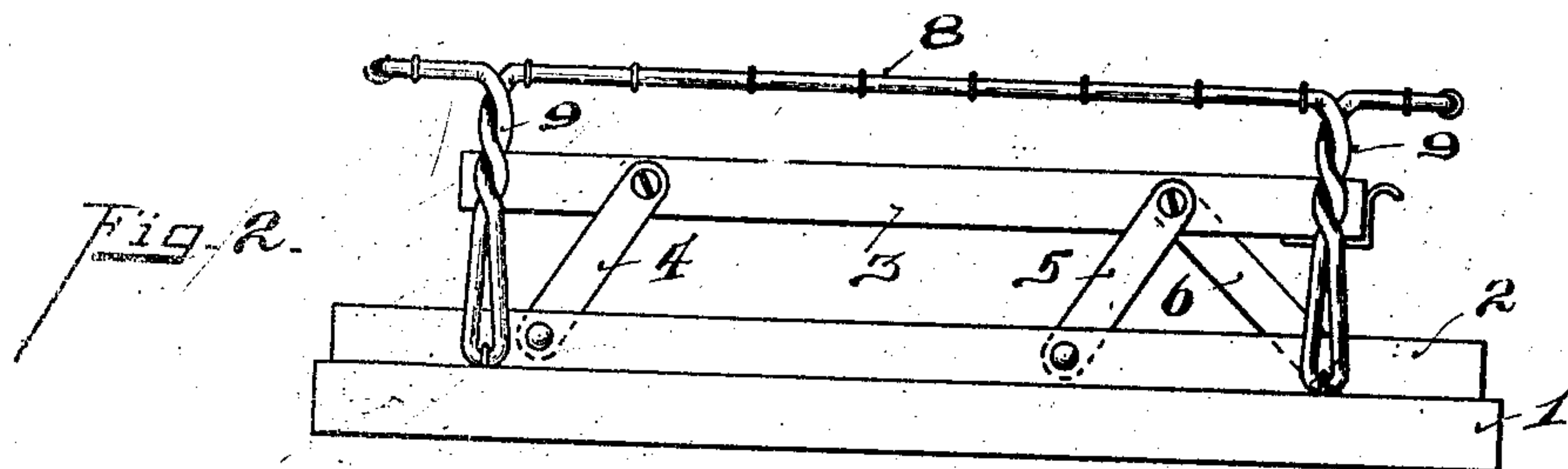
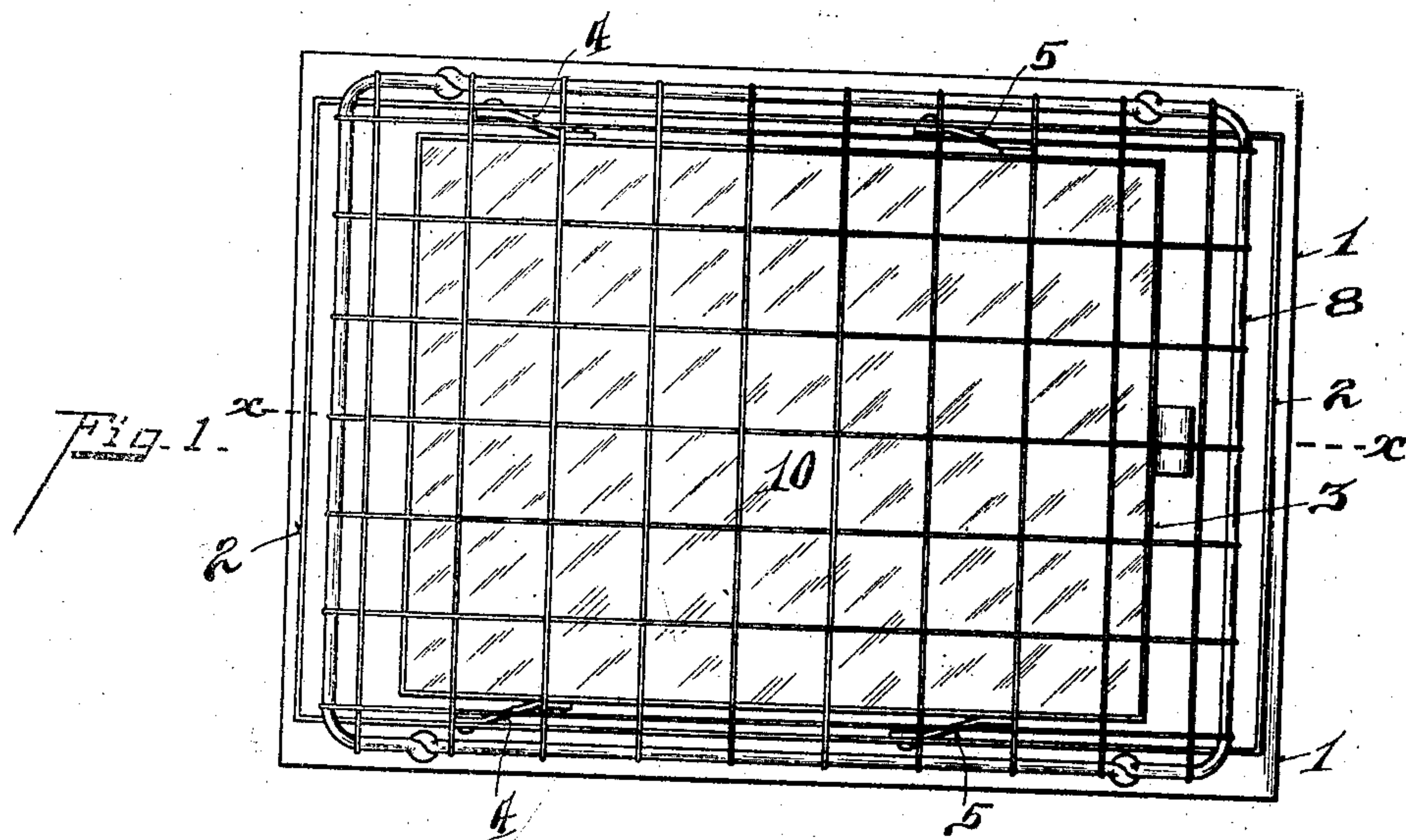


No. 819,341.

PATENTED MAY 1, 1906.

J. S. CONWELL.  
CIGAR HUMIDIFIER.  
APPLICATION FILED NOV. 27, 1905.



Inventor

Witnesses

Oliver B. Kaiser  
Lucius Beck

Fig. 4.

By

James Simpson Conwell

Wm. O. Wern

Attorneys



# UNITED STATES PATENT OFFICE.

JAMES SIMPSON CONWELL, OF ANDERSON, INDIANA.

## CIGAR-HUMIDIFIER.

No. 819,341.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed November 27, 1905. Serial No. 289,289.

*To all whom it may concern:*

Be it known that I, JAMES SIMPSON CONWELL, a citizen of the United States, residing at Anderson, in the county of Madison and State of Ohio, have invented certain new and useful Improvements in Cigar-Humidifiers, of which the following is a specification.

My invention relates to a device for tempering cigars as they are supported for display in the cigar-case.

The object of the invention is to provide a clean highly absorbent inorganic pad so supported in relation to a cigar-box that it will preserve a substantially uniform humidity within the case.

Various other features of the invention are more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a top plan view of my device. Fig. 2 is a side elevation. Fig. 3 is a section on line *x x*, Fig. 1. Fig. 4 is a detailed plan view of a portion of the device.

1 represents the base.

2 represents a metallic tray or margin-frame attached to the base.

3 represents the pad-supporting tray.

4 5 represent links pivotally attached to the sides of the trays 2 and 3.

6 represents a strut pivotally attached to the tray 3 at its upper end and upon one side thereof, the lower end being adapted to adjustably engage the rack 7, located within the edge of the tray 2.

8 represents a wire grid supported by legs 9 over the tray 3.

10 represents the tempering-pad, which may be of any inorganic highly absorbent clay or tile.

The following composition will be found highly desirable for this purpose: plaster-of-paris, forty parts, by weight; magnesite, (native magnesium carbonate,) twenty parts, by weight; salt, five parts, by weight; pipe-clay,

twenty-five parts, by weight; white sand, five parts, by weight; whiting, five parts, by weight; total, one hundred.

Mix with alum-water and mold in pans. Bake thoroughly dry.

This pad will in one-half thickness weigh about forty-four ounces to the square foot and will take up about eighteen ounces of water or almost twenty-nine per cent. of its own weight, thus making a very efficient humidifier.

When the pad is first moistened, it should be adjusted to its lowest position relative to the grid 8, on which the cigars are supported.

It is preferable to use an ordinary hygrometer in the case, and when the humidity decreases the pad may be raised from time to time to approach closer to the bottom of the grid. By this means the humidity may be preserved substantially uniform at substantially the most desirable degree, which is approximately sixty-five per cent. humidity.

Many other products other than tobacco can be advantageously humidified by the use of my device.

Having described my invention, I claim—

1. A tobacco-humidifier consisting of a base, a grid over the base, a tray vertically adjustable between the base and the grid, and an inorganic absorbent pad on the tray, substantially as described.

2. A humidifier for tobacco, consisting of a supporting-grid, a base, a tray, an absorbent inorganic pad in the tray, links pivotally connecting the tray and base under the grid, and means for vertically adjusting the tray between the base and grid, substantially as described.

In testimony whereof I have hereunto set my hand.

JAMES SIMPSON CONWELL.

Witnesses:

WALTER VERMILLION,  
BLANCHARD J. HARNE.