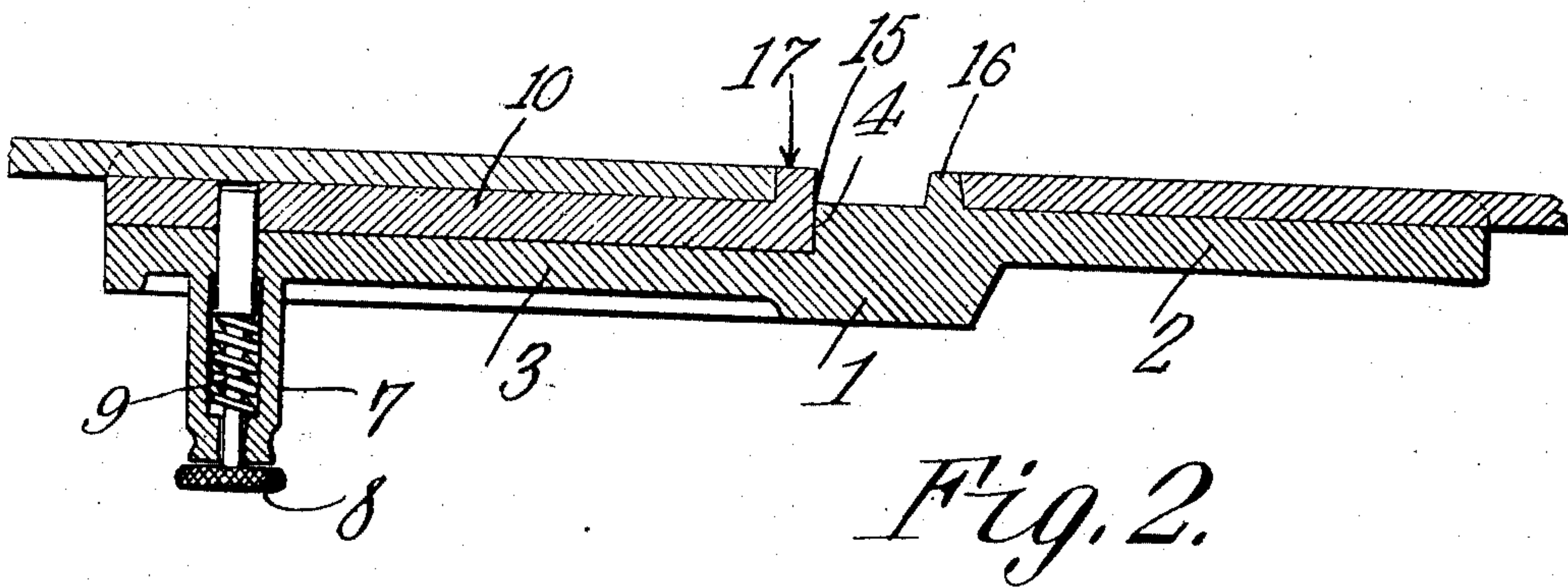
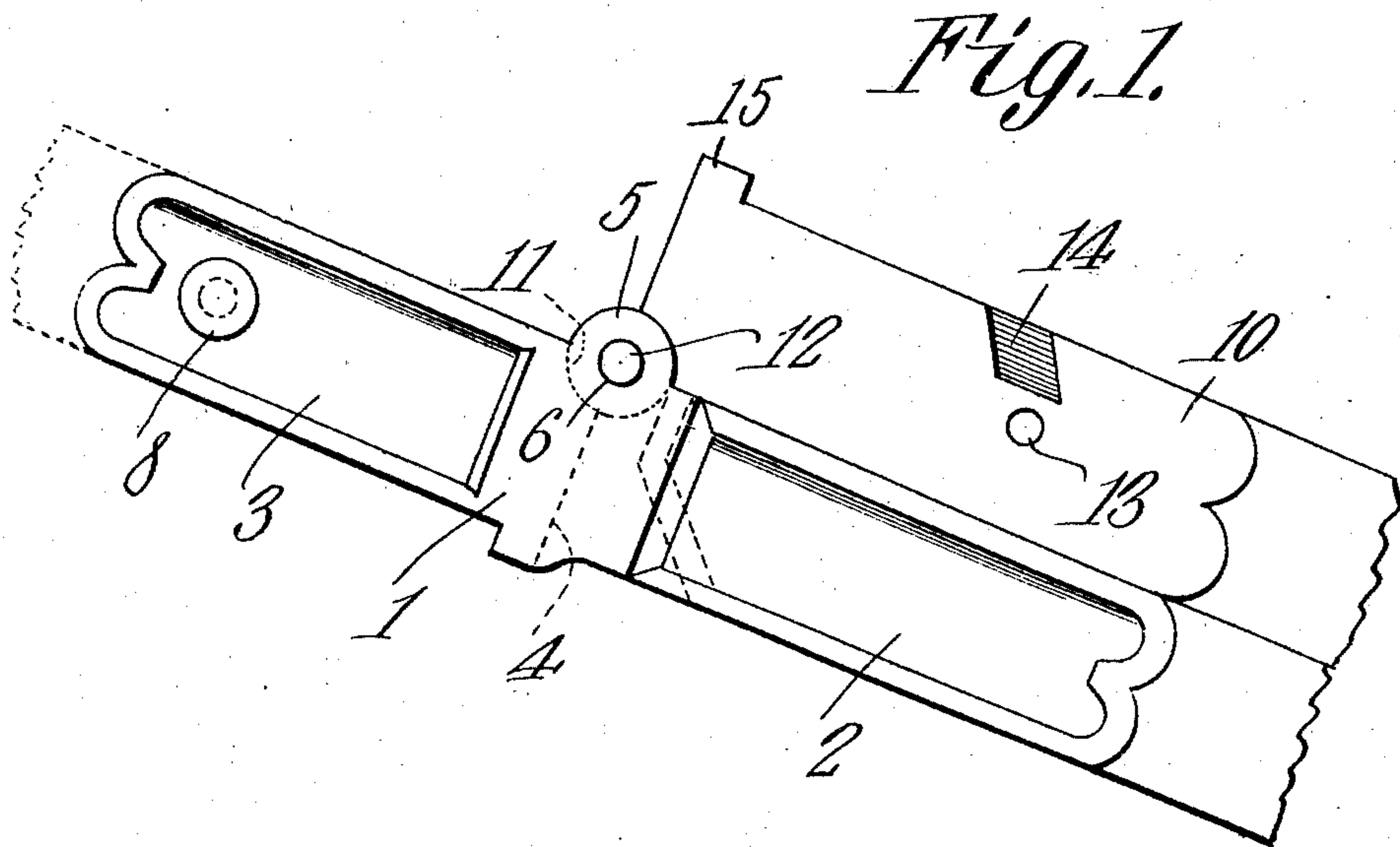


No. 868,559.

PATENTED OCT. 15, 1907.

S. J. HEITZENRATER.
HINGE FOR STACKER SECTIONS AND THE LIKE.
APPLICATION FILED MAR. 8, 1907.



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UNITED STATES PATENT OFFICE.

SAMUEL J. HEITZENRATER, OF COVODE, PENNSYLVANIA.

HINGE FOR STACKER-SECTIONS AND THE LIKE.

No. 868,559.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed March 6, 1907. Serial No. 360,879.

To all whom it may concern:

Be it known that I, SAMUEL J. HEITZENRATER, a citizen of the United States, residing at Covode, in the county of Indiana and State of Pennsylvania, have invented a new and useful Hinge for Stacker-Sections and the Like, of which the following is a specification.

This invention has relation to hinges especially adapted for use upon stacker sections and the like and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a hinge for pivotally connecting the sections of a stacker together, the hinge being so constructed that the sections thereof may be easily and quickly formed one upon another or extended into longitudinal alinement with each other. Means is provided for positively holding the hinge members when the stacker sections are extended into longitudinal alinement with each other.

Figure 1 is a side elevation of the hinge and Fig. 2 is a longitudinal sectional view of the same.

The hinge consists of the member 1 which is provided with an end portion 2 and an end portion 3. The said portions 2 and 3 lie in parallel planes and the portion 2 terminates in a shoulder 4 which lies adjacent the portion 3 and extends transversely thereof. The upper and lower edges of the portions 2 and 3 are in alinement with each other. The member 1 is also provided with an arcuate portion 5 which in turn is concentrically perforated as at 6. The sleeve 7 is mounted upon the outer side of the end portion 3 of the member 1 and the pin 8 is located in the said sleeve for longitudinal movement therein. The spring 9 surrounds the said pin and bears at one end against a portion of the sleeve 7 and at its opposite end against a portion of the pin 8 and is under tension in order to hold the inner ends of said pin beyond the inner face of the portion 3. The member 10 is provided with the arcuate portion 11 which is pivoted to the arcuate portion 5 of the member 1 by means of a pin 12 which passes transversely and centrally through both of the said portions. The member 10 is provided with a perforation 13 which is adapted to receive the end of the pin 8 and at its lower edge is provided with a beveled surface 14 which is located in the path of the pin 8. The end 15 of the member 10 is disposed at a right angle to the longitudinal axis of the member 10 and is adapted to abut against the shoulder 4 when the mem-

ber 10 is swung over or laterally adjacent the end portion 3 of the member 1. The member 10 is of the same transverse thickness as the thickness of the portion 2 with relation to the portion 3 of the member 1, so that the inner surfaces of the portion 2 and the member 10 lie in the same plane. Said inner surfaces are provided with beadings 16 and 17 respectively which are adapted to receive the side boards of adjacent stacker sections.

From the foregoing description it is obvious that a hinge especially adapted for use upon stacker sections is provided and that the said sections, when connected together by the said hinge may be readily folded, one upon the other for transportation or may be extended into longitudinal alinement with each other when set up for use. In the latter instance the pins 8 will be forced longitudinally by the springs 9 into the perforations 13 of the adjacent hinge member and thus the parts will be positively held in longitudinal alinement.

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

1. A hinge comprising a member having end portions lying in parallel planes with the end of one portion forming a shoulder lying adjacent the other portion, a member pivoted to the first said member and having an end adapted to abut against said shoulder and a means attached to the first said member for engagement with the second said member to positively hold the members in longitudinal alinement.

2. A hinge comprising a member having end portions which lie in parallel planes, the end of one portion forming a shoulder which lies adjacent the other portion, a second member pivoted to the first said member and having an end adapted to abut against said shoulder when the second said member is in longitudinal alinement with the first said member and laterally opposite one of the ends thereof.

3. A hinge comprising a member having end portions lying in parallel planes, the end of one portion forming a shoulder which lies adjacent the other portion, a member pivoted to the first said member and having an end adapted to abut against said shoulder when the said members are in longitudinal alinement, and a spring actuated pin attached to the first said member and adapted to engage a perforation in the second said member for positively holding the said members in longitudinal alinement with each other.

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

SAMUEL J. HEITZENRATER.

Witnesses:

J. K. HEITZENRATER,
C. C. SUTTER.