

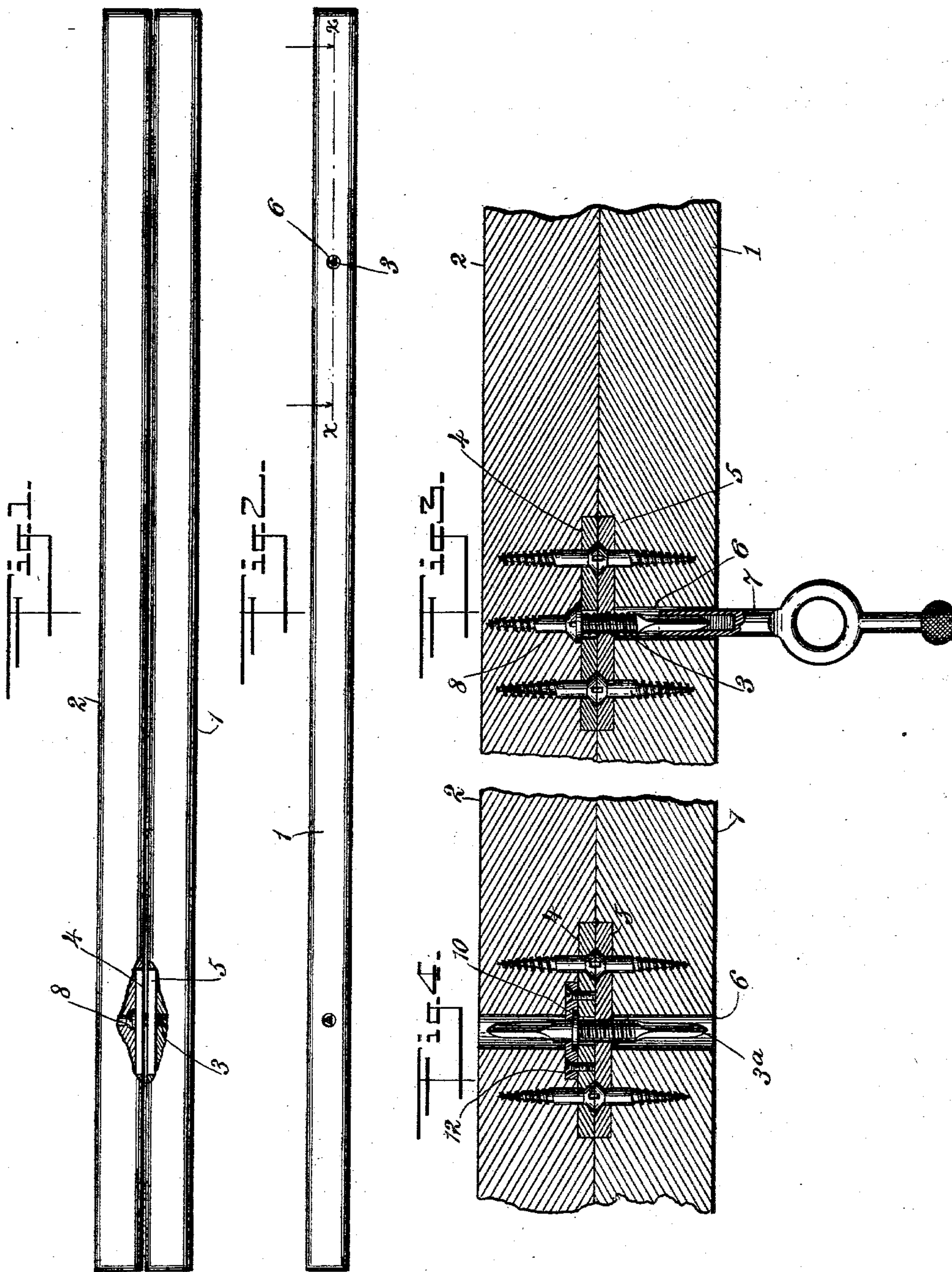
No. 704,935.

Patented July 15, 1902.

E. W. SANDSTEDT.  
PAPER FILE.

(Application filed Feb. 17, 1902.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 704,935, dated July 15, 1902.

Application filed February 17, 1902. Serial No. 94,462. (No model.)

*To all whom it may concern:*

Be it known that I, EDMUND WALFRID SANDSTEDT, a citizen of the Kingdom of Sweden, and a resident of Hankow, China, have  
5 invented a new and Improved Paper-File, of which the following is a full, clear, and exact act description.

This invention relates to improvements in devices for holding files of newspapers, the  
10 object being to provide a device for this purpose that can be locked and opened with a key, that shall be light, yet strong, and having no projecting parts to damage the papers, scratch articles of furniture, or catch in the  
15 clothing to the inconvenience of the reader.

I will describe a paper-file embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying  
20 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view, partly in section, of a paper-file embodying my invention. Fig.  
25 2 is a side view thereof. Fig. 3 is a section on the line  $xx$  of Fig. 2, and Fig. 4 shows a modification.

The file comprises two rods or bars 1 2, designed to engage against opposite sides of the  
30 papers. At suitable points adjusting-screws connect the two rods or bars. As here shown, adjusting-screws 3 are arranged near the ends. Referring to Fig. 3, it will be seen that the adjusting-screw 3 has a swivel connection  
35 with a plate 4, secured by screws to the bar or rod 2, and the thread of this screw engages in a tapped hole in a plate 5, attached to the bar 1. The said bar 1 is provided with an opening 6, into which a key 7 may pass to en-  
40 gage the angular end of the screw. This angular end is pointed, so that it may be readily forced through a newspaper. I have shown the head of the screw 3 as engaging against the head of a screw 8 in the bar 2,  
45 which prevents any lengthwise movement of the screw 3, but permits it to rotate freely. It is to be understood, however, that the said screw 3 may be otherwise connected to the plate 4 without departing from the spirit of  
50 my invention.

In operation when it is desired to separate the bars or rods the key is to be engaged with

the screw at one end, and upon rotating the screw it will of course feed outward through the plate 5. Then the screw at the opposite  
55 end is to be turned to release it from its plate. When the threads are disengaged from the threads in the plates 5, a slight clicking noise will be heard, which indicates such disengagement. When the parts are thus separated, the screws 3 may be forced through  
60 the newspaper and then the rod or bar 1 again placed in position for engagement with the screws.

In Fig. 4 I have shown an adjusting-screw  
65 3<sup>a</sup> as having its opposite ends made angular to receive a key, and it is provided with a collar 10, seated in a recess in a plate 12, secured to the plate 4, thus permitting the screw to rotate, but preventing longitudinal movement thereof. By this construction the key  
70 may be passed into the opening of either bar to manipulate the screw.

A paper-file embodying my invention, it will be noted, has no projecting parts liable  
75 to catch in clothing, and it cannot be opened without employing the key. Therefore it will in a great measure prevent an unauthorized person from removing papers from the file, at least without tearing them out.  
80

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

1. A paper-file comprising two bars or rods, screws having rotary connection with one of  
85 the bars, and plates on the other of the bars and having tapped openings to receive the screws, the ends of the screws being made angular to receive a key the said ends being also pointed to puncture paper, substantially  
90 as specified.

2. A paper-file, comprising two bars, a plate connected to one of the bars, a screw having swivel connection with said plate, a plate  
95 secured to the other of the bars and having a tapped opening to receive the screw, the said other bar also having an outward opening into which the screw may pass, the screw end being angular and pointed, and a key for engaging said angular portion of the screw,  
100 substantially as specified.

3. A paper-file comprising two bars or rods, a plate attached to one of the bars or rods, a fastening-screw extended through an opening

in said plate, a screw in the bar against which  
the head of the first-named screw engages, a  
plate attached to the other bar and having a  
tapped opening to receive the adjusting-  
5 screw, the said other bar also having an open-  
ing to receive the screw, and a key for en-  
gaging with the screw, substantially as speci-  
fied.

In testimony whereof I have signed my  
name to this specification in the presence of 10  
two subscribing witnesses.

EDMUND WALFRID SANDSTEDT.

Witnesses:

HENRY MILLAR,  
THEODORE STEPHENS.