

No. 664,755.

Patented Dec. 25, 1900.

D. E. HUNTER.

SUSPENSION DEVICE FOR DOCUMENT FILES.

(Application filed July 19, 1900.)

(No Model.)

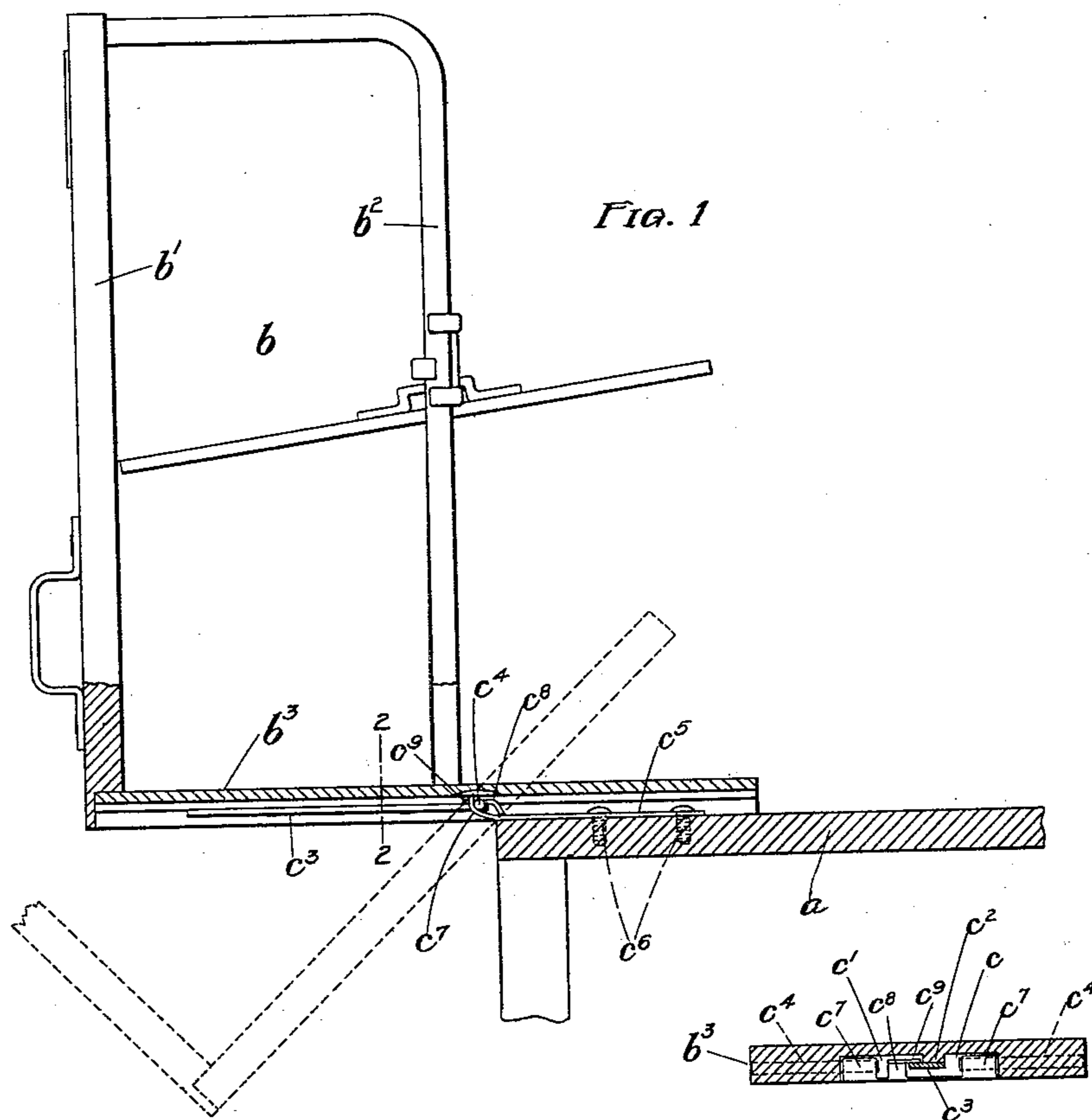


FIG. 2

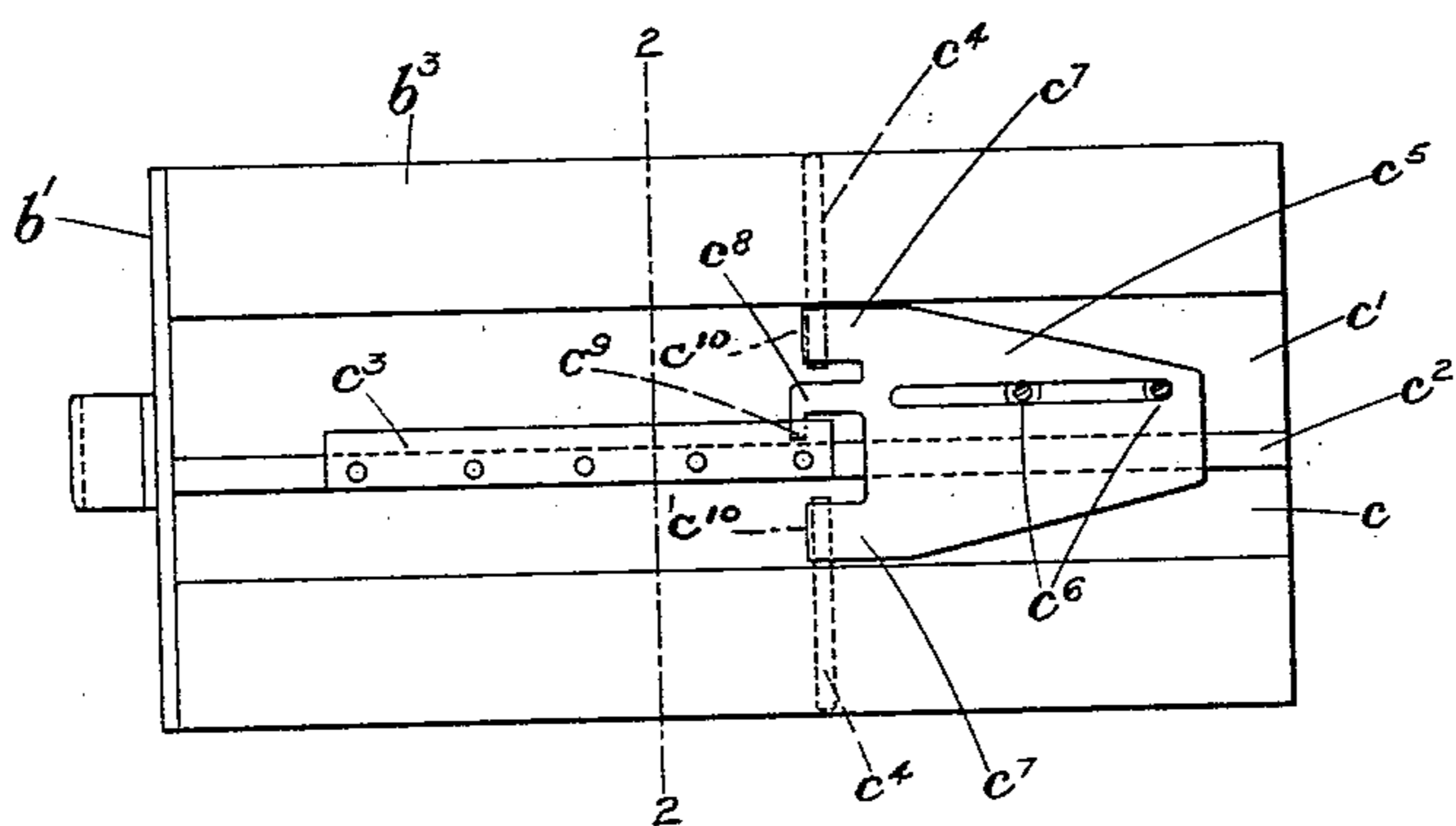


FIG. 3

Witnesses

Howard Hanscom.

Paul S. Grumbach.

Inventor

DAVID E. HUNTER

by Wesley Ferguson
Attys.

UNITED STATES PATENT OFFICE.

DAVID E. HUNTER, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO THE
LIBRARY BUREAU, OF BOSTON, MASSACHUSETTS.

SUSPENSION DEVICE FOR DOCUMENT-FILES.

SPECIFICATION forming part of Letters Patent No. 664,755, dated December 25, 1900.

Application filed July 19, 1900. Serial No. 24,124. (No model.)

To all whom it may concern:

Be it known that I, DAVID E. HUNTER, a citizen of the United States, and a resident of Cambridge, county of Middlesex, State of Massachusetts, have invented an Improvement in Suspension Devices for Document-Files, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

It is customary in large offices to have a large number of files or record-holders carried in a cabinet and normally maintained therein in position to be examined, but not removed, the files usually being capable of sliding in and out of the compartments sufficiently to be turned down in position for inspection and being retained therein by cooperating plates which constitute "suspension devices," as I have herein termed them; and my present invention relates to improvements therein whereby the cost of manufacture is reduced and the operation thereof improved and simplified.

The details of construction and operation of my invention will be pointed out in the following description, and the invention will be more particularly defined in the appended claims.

In the drawings, Figure 1 represents in side elevation and partly in section a usual file provided with my suspension attachment shown in operative relation, the suspended position of the file being indicated in dotted lines. Fig. 2 is a sectional detail thereof, taken on lines 2 2, Figs. 1 and 3. Fig. 3 is a horizontal sectional view taken along the top surface of the supporting shelf or cabinet seen from below.

It will be understood that the shelf *a* of the cabinet and the file *b*, comprising a front *b'*, side rails *b²*, and bottom *b³*, may be of any usual or preferred kind adapted to hold papers, cards, or other file matter. The bottom *b³* is longitudinally recessed along its under side, being provided with two grooves *c c'*, the latter being preferably wider than the former, these grooves being separated by a shallow tongue or rib *c²*, on which is secured a plate *c³*, which projects at one side thereof to constitute a retaining-track.

At the point which it is desired shall constitute the turning-point, or point of suspension of the file, I drive in from the edge of the bottom opposite steel pins *c⁴*, which project across the grooves *c c'* and constitute a preferred form of stops, although it will be understood that unless otherwise specified in the claims I am not limited thereto.

Coöperating with the features thus far described is a plate *c⁵*, adapted to be adjustably secured by screws or other means *c⁶* to the top of the shelf *a*, along which the file slides. This plate has opposite tongues *c⁷*, which serve to guide and brace the general mechanism, said tongues being upturned at their extremities to constitute suspension-hooks *c¹⁰*, which embrace the stops *c⁴* at proper times and sustain the file as the latter is turned thereon. Between the tongues *c⁷* is a finger *c⁸*, which is bent upwardly adjacent the body of the plate *c⁵*, and thence extends horizontally, being provided at its outer end with a lateral projection *c⁹*, which slides along the upper surface of the track *c³*, as clearly shown in Figs. 1 and 2, and constitutes a retaining device, preventing the unauthorized removal of a file when pulled outwardly.

As already stated, I am aware that it is not new to have a file suspended in the general manner herein shown and described, and I do not, therefore, make any broad claims thereto, inasmuch as my present invention is an improvement directed to simplifying the construction and rendering it strong and accurate in its operation.

The separated tongues *c⁷*, which support the weight of the file, it will be observed, are not only widely separated, but extend straight out in longitudinal line with the body of the plate *c⁵*, thereby preventing any liability to twist or break and also providing at the edges of the plate a guide coöperating with the grooves in the file, and the provision of these combined guides and braces at the opposite sides gives double strength over any device which might have provision only for a central suspension engagement. Moreover, the provision of the track *c³* is exceedingly simple as well as effectual, as it permits me to secure all the retention necessary by a single center guide or track, and the latter, more-

over, consists simply of a flat strip of metal, which does not require even to be struck out to any special shape; also, the round steel stops ^c give great strength and permit a smooth free pivotal action and allow the parts to move smoothly in their engagement.

Various minor changes may be resorted to without departing from the spirit and scope of my invention.

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

1. A device of the kind described, comprising a file having opposite grooves, an intermediate guide-track, and pivotal stops extending into said grooves, combined with a plate having opposite suspension-tongues and an intermediate retaining device for engaging said track.

20 2. In a device of the kind described, a

plate having at its opposite sides hook-like devices and an intermediate finger, combined with a file having a track to be engaged on its upper side by said finger, and pivotal stops to be engaged on their under sides by said hooks.

3. In a device of the kind described, a file having grooves in its bottom, round pins extending into said grooves, and a plate provided with opposite hook-like tongues to receive said pins and permit the file to turn thereon.

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

DAVID E. HUNTER.

Witnesses:

GEO. H. MAXWELL,
GEO. W. GREGORY.