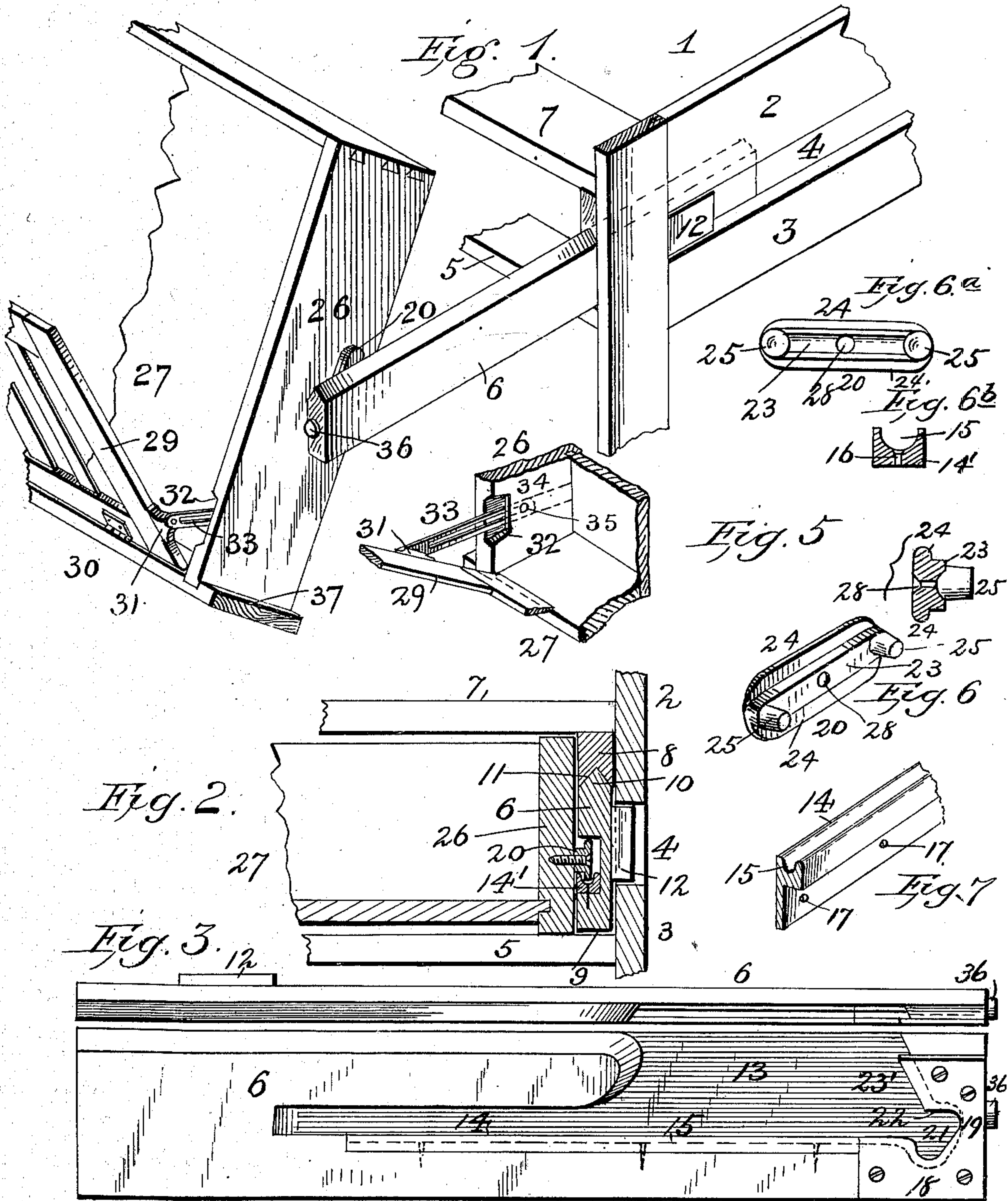


No. 731,654.

PATENTED JUNE 23, 1903.

R. BANKMANN.
PORTFOLIO DRAWER.
APPLICATION FILED AUG. 5, 1902.

NO MODEL.



WITNESSES:
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Fig. 4 Richard Bankmann,
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UNITED STATES PATENT OFFICE.

RICHARD BANKMANN, OF WASHINGTON, DISTRICT OF COLUMBIA.

PORTFOLIO-DRAWER.

SPECIFICATION forming part of Letters Patent No. 731,654, dated June 23, 1903.

Application filed August 5, 1902. Serial No. 118,438. (No model.)

To all whom it may concern:

Be it known that I, RICHARD BANKMANN, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Portfolio-Drawers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to office-furniture, has especial reference to portfolio-drawers to receive drawings and the like, and consists in certain improvements in construction which will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 is a perspective of a portion of a case and a portion of a drawer, the slide and the drawer being withdrawn from the case and the drawer tilted; Fig. 2, a vertical transverse section of one side of the case and the drawer in the case; Fig. 3, a top edge or plan view of one of the slides on an enlarged scale; Fig. 4, a side elevation showing the inside of one of the slides; Fig. 5, a perspective of one of the front corners of the drawer and the flap connection therewith; Fig. 6, a perspective of one of the metallic runners or track-irons which engage the metallic track-rail on the slides; Fig. 6^a, a side elevation of the same; Fig. 6^b, a transverse section of one form of the metallic track-rail, and Fig. 7 a perspective of another form of track-rail.

Reference being had to the drawings and the designating characters thereon, 1 indicates a case having rails 2 3 on each side thereof, with a space 4 between them, and a transverse bar 5, on which the slides 6 of the drawer rest, and bar 7 above the grooved rail 8. The slides 6—one on each side of the drawer—are preferably provided with a flat lower or bottom edge 9 and an oppositely-beveled upper or top edge 10, which edge 10 engages a correspondingly-beveled groove 11 in the bottom of the rail 8, which grooves guide the slides 6 and hold them in position while the drawer is being drawn out of the case and returned thereto.

On the outside of each of the slides 6 is a block 12, which enters the space 4 between

the rails 2 and 3, and these blocks serve to guide and hold the slides in proper position and to limit their travel. On the inside and near the front end of each slide 6 is a pocket or recess 13, having a rearward extension 14 to receive the track-iron on the side of the drawer, and at the bottom of said recess is a metallic track-rail 14', having a groove 15 in its upper edge. This track-rail may be of the form shown in Fig. 6^b, which is secured by screws inserted through holes 16, or it may be of the form shown in Fig. 7 and secured by screws inserted through holes 17 in the side of the rail. At the front end of the slide is a metallic plate 18, which overhangs or projects beyond the wall of the pocket 13, except at the part 19, where the plate is flush with the wall of the pocket to form a buffer for the runner or track-iron 20 to strike against when the drawer is being drawn or pulled out of the case to its full extent, and the overhanging part of the plate engages the track-iron 20 and prevents spreading of the slides and the possibility of the drawer falling out of the slides. The pocket or recess 13 is also provided with an extension 21 at its front end, whose overhanging shoulder 22 prevents the drawer jumping out of the slides 6, the drawer being removable only by moving the track-rails 20 back out of engagement with the extension 21 and then raising the drawer bodily out of engagement with the slides when in the position shown in Fig. 1.

The track-irons 20 consist of an elongated body having a bearing-surface 23 to engage the inclined edge 23' above the shoulder 22 to prevent vibration of the drawer when open, as shown in Fig. 1, and laterally-extending flanges 24, one of which enters the groove 15, as shown in Fig. 2. The flanges 24 also engage the overhanging portion of the plate 18 to prevent separation of the slides 6. The track-irons 20 are provided with projections 25, which are sunk into the slide to take the jar incident to the irons striking against the part 19 in the pocket 13, and the iron is secured to the side 26 of the drawer 27 by a screw passing through the hole 28.

The flap 29 the width of the inside of the drawer is attached to the drawer by hinges 30, and on the edges of the flap are metallic lugs or blocks 31, which engage recesses 32

in the sides 26 and support the flap when the flap is closed, thus avoiding the rabbets in the upper edges of the sides of the drawer as heretofore constructed and preventing the
 5 flap cutting or breaking the edges of the drawings contained in the drawer. The flap 29 is supported in its open position by slotted bars 33, which enter slots 34 in the sides of the drawer and are secured therein by a pin 35.
 10 Each slide 6 is provided with a rubber cushion 36, which is struck by the lateral extension 37 of the front of the drawer as the drawer is being pushed into the case.

The drawer as constructed is subject to the
 15 least possible friction, and the slides are prevented binding on the sides of the case by the track-irons engaging the track-rails in nearly the vertical center of the slides, and the gravity of the drawer secures the proper
 20 swing of the drawer without vibration. In the tilted position of the drawer one end of the track-irons 20 engages the lower extremity of the recess 21, while one side of the bearing-surface 23 thereof engages the inclined pro-
 25 jection or edge 23' of the plate 18.

Having thus fully described my invention, what I claim is—

1. A drawer; in combination with slides having a recess in the sides thereof provided
 30 with a rearward extension, a track-rail secured in said recess and its extension, and track-irons secured to the sides of the drawer and engaging said track-rails.

2. A drawer; in combination with slides
 35 having a recess in the sides thereof, a plate overhanging part of said recess at its front end, track-rails in said recesses, and track-irons having laterally-extending flanges which engage the track-rails and said over-
 40 hanging plate.

3. A drawer; in combination with slides having a recess in the sides thereof, a plate

overhanging part of said recess at the front end, a rearward extension on said plate, track-
 rails in said recesses, and track-irons engag- 45
 ing said track-rails, the plates and their extensions.

4. A drawer; in combination with slides having a recess in the sides thereof, a plate overhanging part of said recess at its front 50
 end, a buffer formed by the wall of said recess and by said plate, track-rails in said recesses, and track-irons engaging the rails and said plate.

5. A drawer; in combination with slides 55
 provided with a recess, an overhanging plate at the front end of said recess, track-rails in said recesses and having a groove in their upper surfaces, and elongated track-irons se-
 60 cured to the sides of the drawer and having laterally-extending flanges which engage the track-rails and said plate.

6. A drawer; in combination with slides provided with a recess, and a metallic plate overhanging the front end of said recess, an 65
 angular projection on said plate, track-rails in said recesses, and elongated track-irons having flanges which engage the track-rail and said overhanging plate, and whose body
 70 engages said angular projection.

7. A drawer having transverse slots in the sides thereof; in combination with a flap in-
 side of the drawer, lugs on the sides of the flap, slotted bars in said slots and connected
 75 to said lugs and to the sides of the drawer, and recesses in the sides of the drawer to support the lugs on the sides of the flap.

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

RICHARD BANKMANN.

Witnesses:

W. PARKER REINOHL,
 PHILIP F. LARNER.