Oct. 19, 1943. S. ROTH 2,332,472

TRACK AND COMPRESSOR FOR FILES

Filed Aug. 22, 1942 2 Sheets-Sheet 1

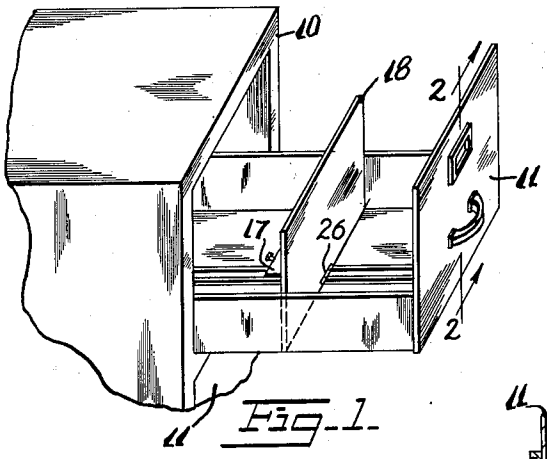


Fig. 1.

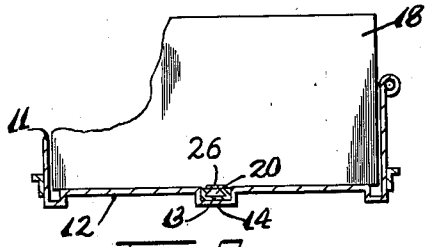


Fig. 3.

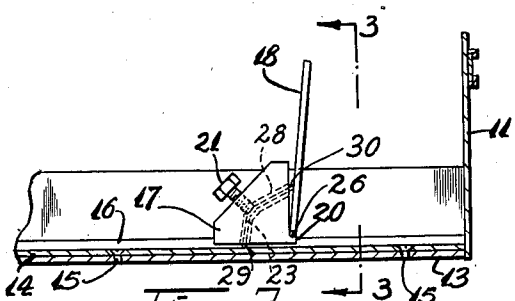


Fig. 2.

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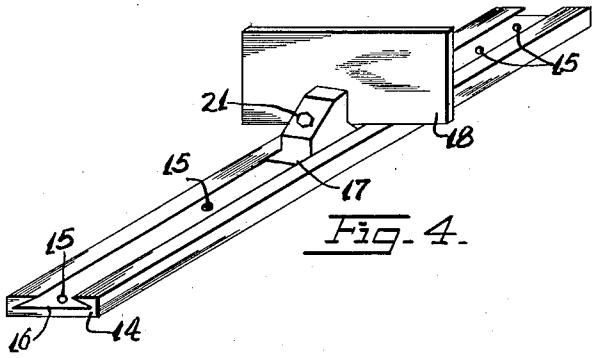


Fig. 4.

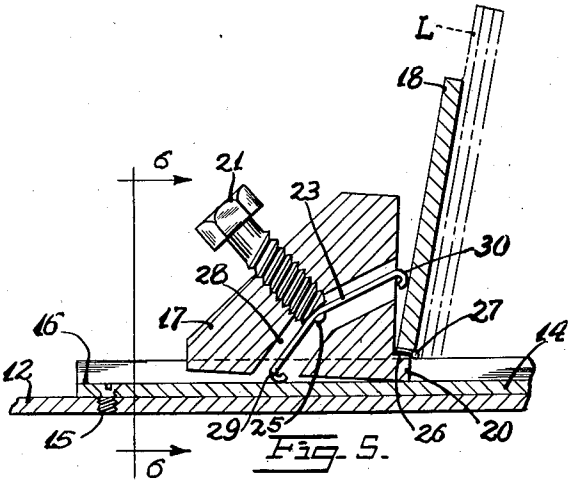


Fig. 5.

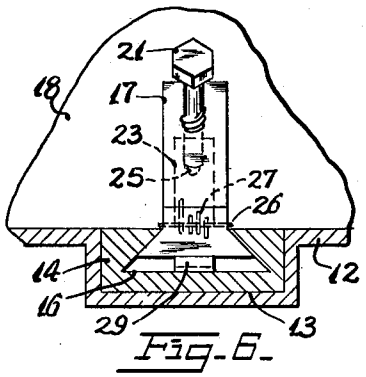


Fig. 6.

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2,332,472

TRACK AND COMPRESSOR FOR FILES

Sol Roth, Long Island City, N. Y.

Application August 22, 1942, Serial No. 455,755

2 Claims. (Cl. 129—27)

This invention relates to new and useful improvements in a track and compressor for files.

More particularly, the invention proposes a strip adapted to be mounted on the top face of the bottom of a file drawer, a novel holding means associated therewith, and provided with a compressor plate for the file drawer.

More particularly, it is proposed that the strip be provided with a dovetailed groove extending longitudinally upon its top face, and that the compressor plate be attached to a slide working in said groove.

An advantage of the new construction resides in the fact that the compressor plate will be firmly maintained in any adjusted position in which it is placed. It will not creep and slip rearwards under the pressure of the papers from the file.

The invention also contemplates modified forms thereof. In one form a spring is proposed for assisting in holding the slide and thus the compressor plate in adjusted positions. In another form it is proposed that the compressor plate be hingedly mounted on the slide and that the spring such as previously mentioned, should also act against the compressor plate to urge it forwards against the papers in the file.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a perspective view of a file with a file drawer provided with a track and compressor constructed in accordance with this invention.

Fig. 2 is a vertical sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a transverse vertical sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of the track and compressor, per se.

Fig. 5 is an enlarged vertical sectional view of a portion of Fig. 2.

Fig. 6 is a fragmentary sectional view taken on the line 6—6 of Fig. 5.

The track and compressor for files, in accordance with this invention, is intended to be used in conjunction with a file 10 of standard construction having the usual file drawers 11. Each file drawer 11 is provided with one of the devices. Each file drawer 11 has its bottom wall 12 formed with the usual longitudinally extending groove 13 which is adapted to receive the track of the compressor.

The track of the compressor includes a strip 14 adapted to be mounted upon the top face of the bottom 12 of the file drawer 11, and more specifically, within the groove 13. Several screws 15 are used for permanently securing the strip 14 in position. The strip 14 is provided with a dovetailed groove 16 extending longitudinally upon its top face. A dovetailed slide 17 is mounted in the groove 16. A compressor plate 18 for the file drawer 11 is mounted upon the slide 17.

The compressor plate 18 is hingedly connected with the front projection 20 of the slide 17. This hinged connection is accomplished with a small hinge 26. A small spring 27 is mounted on the hinge and acts to normally urge the compressor plate 18 rearwards into the vertical position. A leaf spring 23 is extended through a passage 28 formed in the slide 17.

The bottom end 29 of the leaf spring 23 engages against the bottom of the groove 16. The top end 30 of the leaf spring 23 engages against the back of the compressor plate 18. A cap screw 21 threadedly engages the slide 17 and has its bottom end disposed in the passage 28. The screw 21 is provided with a bottom projection 25 which rotatively connects with the spring 23. The spring 23 is arched as clearly illustrated in Fig. 5, and the screw 21 is arranged at an inclination extending from the arch so that when the screw 21 is turned down the spring 23 will simultaneously press against the bottom of the groove 16 and against the compressor plate 18.

The operation of the invention is as follows:

When the screw 21 is turned downwards the spring 23 will indirectly force the slide 17 slightly upwards so that its beveled edges engage the beveled sides of the groove 16 as illustrated in Fig. 6. Moreover, the spring 23 will force the compressor plate 18 forwards against the papers L so as to hold the papers from creeping upwards.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A track and compressor for files comprising a strip adapted to be mounted upon the top face

of the bottom of a file drawer and having a dovetailed groove extending longitudinally of its top face, a dovetail shaped slide in said groove, a compressor plate for said file drawer and pivotally mounted on said slide, a cap screw threadedly mounted on said slide, and a leaf spring pivotally mounted on said cap screw and having one end abutting the bottom of said groove and the other end abutting the back of said compressor plate.

2. A track and compressor for files comprising a strip adapted to be mounted upon the top face of the bottom of a file drawer and having a dovetailed groove extending longitudinally of its top face, a dovetail shaped slide in said groove, a compressor plate for said file drawer and pivotally mounted on said slide, a cap screw threadedly mounted on said slide, and a leaf spring pivotally mounted on said cap screw and having one end abutting the bottom of said groove and the other end abutting the back of said compressor plate, said leaf spring being extended through a passage in said slide, said leaf spring being arched, and said screw being rotatively connected with the arched portion.

SOL ROTH.