

1,037,408.

Fig. 1. D³
A³ C² 4 D³ A
A⁴ D² C¹ B⁴ A⁵ A⁶ A¹
D² A⁴ C
4
A³ A² A³ D
C⁵

Fig. 2. C¹
A
A⁴ A⁵ A⁶ B⁵ D
C² C¹ C
B³ B¹ C⁵

Fig. 3. C¹ A⁶ B¹ C² B³ B⁵ C
B⁴ C¹ B⁴ C⁵

Fig. 4. D³ C¹ D² D¹ D
B⁴

Fig. 5. F² F¹ B³ A¹ F¹ F¹ C⁵

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UNITED STATES PATENT OFFICE.

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RACK FOR TRACINGS.

1,037,408.

Specification of Letters Patent.

Patented Sept. 3, 1912.

Application filed November 20, 1911. Serial No. 661,359.

To all whom it may concern:

Be it known that I, FRANK S. BAKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Racks for Tracings, of which the following is a specification.

It is a well known fact that the filing of blue prints, sketches or drawings, or other such large and flexible sheets as are used in engineering and drafting offices gives rise to a great deal of difficulty. The sheets are thin and flexible, and they have heretofore usually been kept in drawers one on top of the other, or in envelopes which are supported on end in any suitable cabinet. The system of keeping them in drawers is productive of a great deal of difficulty, first, because of the large amount of space required to get at them, and second, since they rest one upon the other, it is difficult to extract the bottom sheets from the drawer, and the drawers must therefore be made very shallow, thus necessitating the use of a number of drawers to contain them. Where the papers are inclosed in envelopes, which envelopes are supported on one side in a more or less vertical position, it is difficult to remove them, and they show a marked tendency when the envelopes are supported in the vertical position to sink down and wrinkle at one side. This of course is very undesirable, and it is likely to injure expensive blue prints and drawings.

My invention, therefore, relates to improvements for storing or holding such sheets in a vertical position, and is more specifically directed toward racks or drawers and associated means for supporting such sheets, and it has for one object to provide means whereby they may be suspended either separately or in groups, and whereby separate sheets may be inserted and removed without interfering with the sheets already in position.

It is illustrated diagrammatically in one form in the accompanying drawings, wherein—

Figure 1 is a section through the cabinet showing my device; Fig. 2 a part section through the cabinet showing a drawer in elevation; Fig. 3 a plan view of the drawer; Fig. 4 a section along the line 4—4 of Fig. 2; Fig. 5 a detail plan view.

Like parts are indicated by like letters in all the figures.

A cabinet made up of the top A, back A¹, base A² and side walls A³ is provided with the parallel fixed tracks A⁴, A⁵, between which slide the floating track A⁶. The drawer B, having the front B¹ extending preferably to the bottom of the cabinet, and the sides B² and back B⁴ preferably of lesser depth is provided with the track B⁵ in engagement with the floating track A⁶. The removable supporting bars C are preferably flat, and are held at the top of the drawer in position by the cross rods C¹, C² which are supported in the sides of the drawer. The bars C are slotted at the rear end to fit over the fixed cross bar C¹ and are perforated at their forward ends to receive the removable cross bar C². A ledge C⁵ at the front of the drawer is adapted to support the forward ends of the bars C when the rod C² is removed. The blue prints or sheets to be supported may be provided along one edge with the removable fasteners D¹ which may either hold the sheets in groups as indicated at D, or may be applied each to a separate sheet. The spring clips D² engage the fasteners D¹ or if properly shaped, the sheets themselves and thus hold the sheets. The hook D³ on the spring clip D² engages the supporting bar C and supports the sheets.

In the modified form of my invention indicated in Fig. 5, the rods E are provided with the bent portions E¹ bent in opposite directions and substantially parallel at either end, which portions engage the rods C⁵ and E² at front and rear of the drawer. It will be observed that since these portions are more or less offset from the axis of the strip, they tend to hold the strip in a vertical position.

It will be evident that while I have shown in my drawings an operative device, still many changes might be made in the size, shape and arrangement of parts without departing materially from the spirit of my invention, and I wish therefore that my drawings may be regarded as in a sense diagrammatical.

The use and operation of my invention are as follows: Blue prints, drawings, or any other such articles as it is desired to suspend may be associated in groups or separately, as the case may be, with any suitable holding means. These means and the sheets themselves are then engaged by the spring clips and the spring clips are

hooked over the holding bars. These bars are held in position in the drawer either by the cross rods as indicated or by means of the inclined portions and ledges and any
 5 suitable number of groups or sheets may be supported therefrom. In the preferred form, it will be observed that the slots in the rear ends of the bars and the perforations in the front ends which are in en-
 10 gagement with the transverse rods hold the bars slidably in a vertical position, thus keeping them on edge and enabling them to act as tension members. It will at once
 15 be observed that this structure permits the use of lighter and thinner bars than would otherwise be needed, thus permitting the use of an increased number of bars without any great weight.

I claim:

20 1. A cabinet comprising a drawer, a horizontally disposed fixed supporting rod adjacent the back of the drawer at the top, a horizontally disposed removable rod ad-
 25 jacent the front of the drawer at the top, a ledge located beneath said removable rod, holding strips slotted at one end and per-
 forate at the other, mounted upon said rods.

2. A cabinet comprising a drawer, a horizontally disposed fixed supporting rod ad-
 jacent the back of the drawer at the top, a 30 horizontally disposed removable rod adja-
 cent the front of the drawer at the top, a ledge located beneath said removable rod, holding strips slotted at one end and per-
 35 forate at the other, mounted upon said rods, the perforate end being engaged by the re-
 movable rod.

3. The combination with a drawer and horizontally disposed supporting strips therein, of rigid supporting means at either 40
 end of said strips, perforations through one end of said strips and a removable rod lo-
 cated above said supporting means and passing through said perforations to hold
 said strips in position. 45

4. The combination with a frame and horizontally disposed supporting strips therein of supporting means upon which
 said strips rest, and removable holding means located above said supporting means. 50
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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
 Washington, D. C."