Oct. 29, 1929. G. H. DAWSON 1,733,296

HINGED PANEL

Filed Nov. 16, 1925

FIG. 1

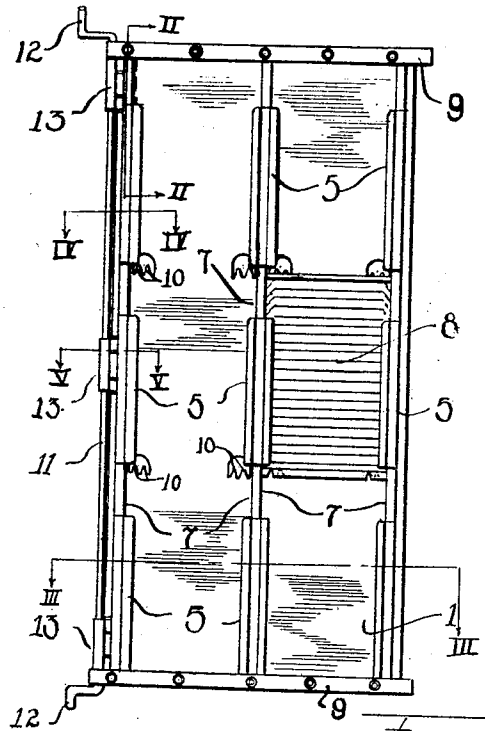


FIG. 2

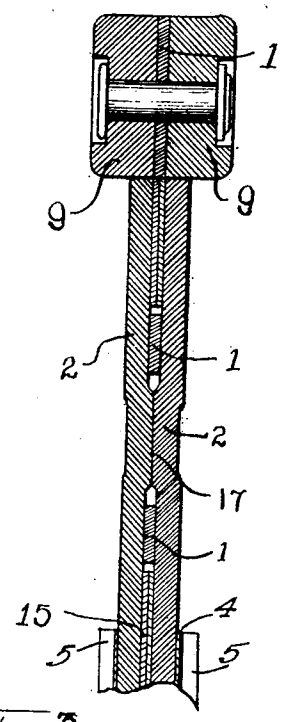


FIG. 3

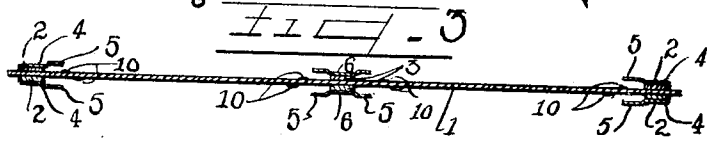


FIG. 6

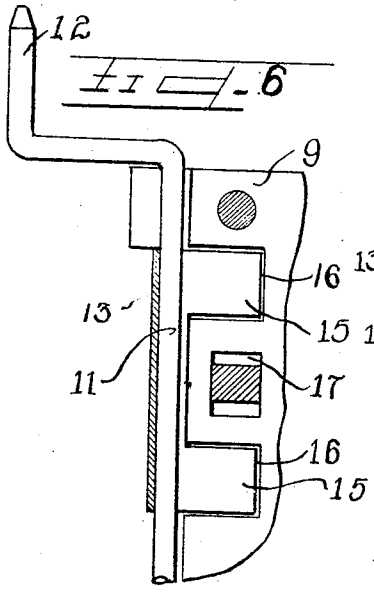


FIG. 4

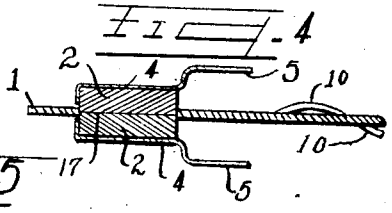
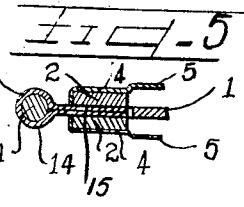


FIG. 5



INVENTOR

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ATTYS

Patented Oct. 29, 1929

1,733,296

UNITED STATES PATENT OFFICE

GEORGE H. DAWSON, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO REMINGTON RAND INC., OF NEW YORK, N. Y., A CORPORATION OF DELAWARE

HINGED PANEL

Application filed November 16, 1925. Serial No. 69,546.

This invention relates to a hinged panel for supporting articulated index units or the like and concerns itself primarily with a simple structure that has provision for supporting a plurality of units, any of which may be removed or replaced without disturbing the others and in which the panel is so supported that it may easily rotate upon its hinge rod.

The invention comprises the novel structure and combinations hereinafter described and more particularly pointed out and defined in the appended claims.

In the accompanying drawings which illustrate a preferred embodiment of this invention and in which similar reference numerals refer to similar features in the different views:

Figure 1 is an elevational view of the hinged panel involving this invention;

Fig. 2 is an enlarged fragmentary sectional view upon the line II—II of Figure 1;

Fig. 3 is an enlarged sectional view upon the line III—III of Figure 1;

Figure 4 is an enlarged fragmentary sectional view upon the line IV—IV of Figure 1;

Fig. 5 is an enlarged fragmentary sectional view upon the line V—V of Figure 1; and

Fig. 6 is an enlarged fragmentary sectional view taken in a vertical plane thru the upper rear corner of the panel.

As illustrative of this invention, there is shown in the drawings a sheet of aluminum 1, or other suitable metal which is sufficiently wide to provide a pair of parallel lodgements for index units, and which is sufficiently long to accommodate a plurality, three in the present instance, of index units. The reverse side of the sheet 1 is similarly fashioned for holding a like number of index units.

The lodgements are formed by parallel filler strips 2 adjacent the lateral edges of the sheet 1 and intermediate filler strips 3. These filler strips are spaced apart according to the width of the index elements. Metal strips 4 with offset flanges 5 are secured to the filler strips 2 with the flanges overhanging the said strips to provide guide channels for retaining one of the lateral margins of index units. Upon the filler strips 3 are secured metal strips 6, the lateral margins of which are outwardly offset and project beyond the strip to provide overhanging flanges 5 that form guide channels for retaining the other lateral margins of the index units. In referring to Fig. 1, it will be noted that the flanges 5 are interrupted or vertically spaced as indicated at 7 to provide entrance means for the index units, one of which is shown at 8. These index units 8 are made up of articulated index cards as described in my co-pending application Serial No. 739,462, filed Sept. 24, 1924. The upper ends of the flanges 5 are likewise spaced from the top frame members 9 of the panel for a similar purpose.

The index units are adapted to be inserted thru the openings 7 and slid under the flanges 6. The space occupied by each unit may be termed a unit compartment, and to support the units from sliding beyond their respective compartments, suitable tongues 10 are struck from the sheet 1; a pair of tongues 10 being deflected upon one side of the sheet 1 while another pair are deflected upon the opposite side for retaining the units upon opposite sides of the sheet 1. The lower units are adapted to rest upon the lower frame members 9 which are secured upon opposite sides of the lower margin of the sheet 1.

This panel is adapted to be hinged to a support and for this purpose it is provided with a hinge rod 11 having offset pintles 12. The rod 11 extends thru suitable bearing recesses formed in the adjacent walls of the frame members 9 as shown in Figure 6. Metal straps 13, each of which is provided with a suitable bearing loop 14 as shown in Figure 5 tie the hinge rod to the rear edge of the panel. The sheet member 1 is suitably cut away between the fillers 2 to receive the flattened end portions 15 of the straps 13, which may be welded or secured between the filler strips. The upper and lower straps 13 are shown as having spaced flattened end portions 15 that extend into cut out portions 16 in the sheet 1 between the fillers 2.

The aforementioned filler strips 2 may be welded together through suitable openings c

cut out portions 17 in the sheet 1 by compressing the fillers together as shown in Figs. 2 and 4 and 6, whereby a rigid and secure structure is obtained.

I am aware that many changes may be made and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted thereon, otherwise than necessitated by the appended claims.

I claim as my invention:

1. In a hinged leaf comprising a panel, a pair of spaced parallel filler strips upon said panel, flanges upon said filler strips overhanging said panel, the flanges on each filler strip being vertically spaced to provide an entrance for index elements.

2. In a hinged leaf, a metal sheet, having openings therethrough, filler strips on opposite sides of said sheet welded together through said openings, and flanged members secured upon said filler strips.

3. In a hinged leaf, a metal panel, a pair of strips embracing one margin of the panel, bearing straps having flattened ends secured between said strips, a hinge rod journalled in said straps, said sheet having apertures and said strips being welded together through said apertures.

4. An index comprising a leaf having a series of opposed guide channels in aligned spaced relation, groups of articulated index cards, each engageable in one of said guide channels independently of groups in the other channels, and means associated with each of said guide channels on said panel for independently supporting and positioning each group of said cards in said panel.

5. An index comprising a leaf having a series of opposed guide channels on opposite sides arranged in corresponding, aligned and spaced relation, groups of articulated index cards each independently and removably inserted in one of said opposed guide channels, and associated means on said panel projecting from opposite sides in corresponding positions for independently supporting said groups of cards in said channels.

6. An index comprising a leaf having a series of opposed guide channels on opposite sides arranged in corresponding, aligned and spaced relation, and adapted to removably receive index cards insertable into each of the opposed guide channels from one end thereof, and associated means on the leaf at the opposite end of each of the opposed guide channels for limiting the insertion of index cards therein.

In testimony whereof I have hereunto subscribed my name.

GEORGE H. DAWSON.