

R. C. BRANDLEIN.

HINGE.

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1,120,898.

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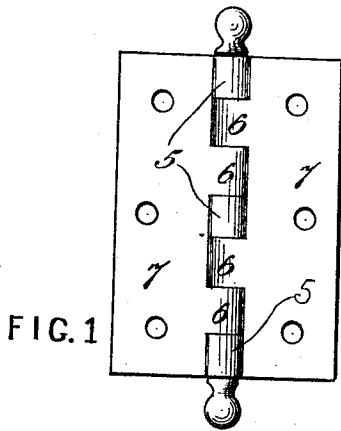


FIG. 1

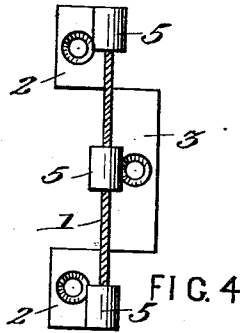


FIG. 4

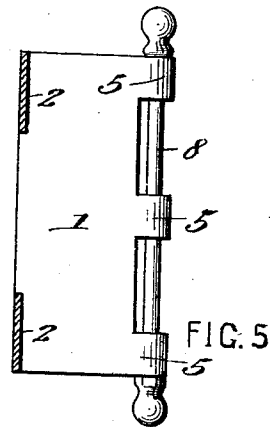


FIG. 5

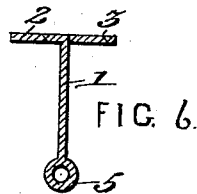


FIG. 6

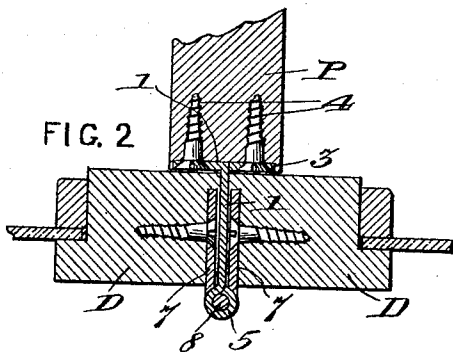


FIG. 2

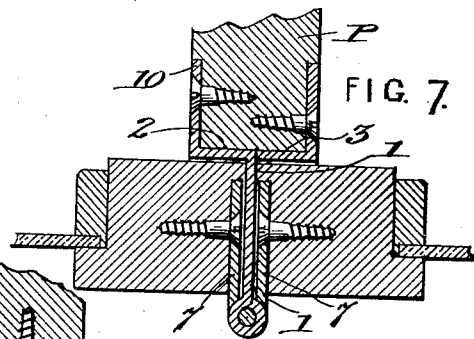


FIG. 7

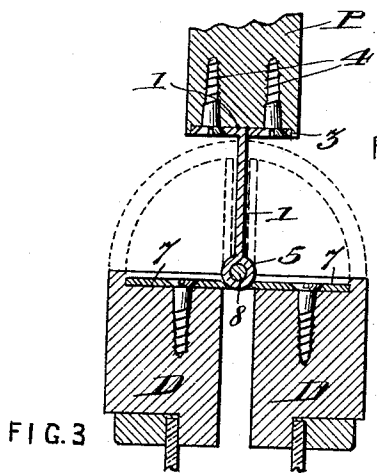


FIG. 3

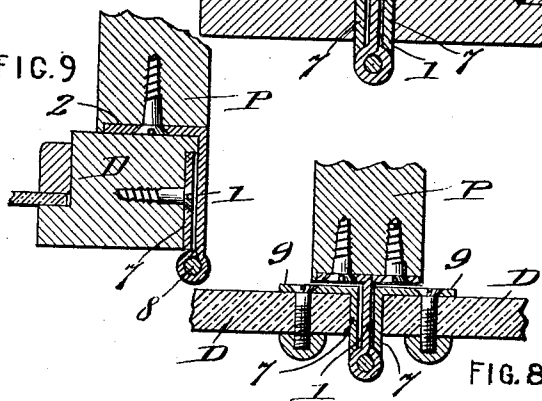


FIG. 8

FIG. 9

WITNESSES

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HINGE.

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To all whom it may concern:

Be it known that I, RUDOLPH CHARLES BRANDLEIN, a citizen of the United States, residing at No. 1539 McAllister street, in the city and county of San Francisco and State of California, have invented a new and useful Hinge, of which the following is a specification.

This invention relates to certain new and useful improvements in hinges, and relates more particularly to hinges used in connection with the doors of display cases, the object of the invention being to provide a new, novel and improved type of hinge which is of economical construction and which has interchangeable leaves that connect the doors to the pilaster in such manner that the latter does not occupy space available for display purposes.

In the drawings: Figure 1 is a front elevation of the hinge, the two leaves being shown in open position; Fig. 2 is a horizontal section, the leaves being shown in closed position and connected to the rails of a pair of glass doors and to a pilaster, each of the latter parts being shown in fragment; Fig. 3 is a view similar to Fig. 2, showing the leaves in open position; Fig. 4 is a front elevation of the base member of the hinge, the leaves being omitted; Fig. 5 is a side elevation of Fig. 4; Fig. 6 is a top plan view of Fig. 4; Fig. 7 is a view similar to Fig. 2 of a modified form of the invention; Fig. 8 is a view similar to Fig. 2 of a further modified form of the invention; and Fig. 9 is a top plan view of the form of hinge used with but one door.

The present invention involves a base member formed of a single sheet of metal having a body plate 1, which latter is provided with a pair of end ears 2 which extend on one side face of plate 1, and a central ear 3 which extends on the opposite side face of the plate 1, the several ears being perforated to receive screws 4 to fasten the member to a pilaster P. The outer side of plate 1 is formed with a pair of end knuckles and a central knuckle each designated 5, the spaces between the knuckles receiving the superimposed knuckles 6 of the two hinge leaves 7.

It is particularly to be noted that the hinge leaves 7 are duplicates of each other and interchangeable and each has an upper

and a lower spaced knuckle, thus enabling each leaf to have ample bearing on the pintle 8 and at spaced points on said pintle which latter passes through each of the knuckles 5 and 6.

It will also be noted that since the central knuckle 5 of the plate 1 is rigid with the latter, same will provide a seat on its upper face upon which one of the upper knuckles 6 of the two leaves 7 rests, thus evenly distributing the strain or weight of the doors D on the pintle 8 and consequently on the plate 1. By having the plate 1 of solid imperforate character, greater strength is accordingly had.

The doors may be of glass as shown in Fig. 8 in which event the leaves are provided with right angular extensions 9 to which the glass is secured. In some cases the ears 2 may be formed with extensions 10 as shown in Fig. 7, and secured to opposite side faces of the pilaster P.

In Fig. 9 the hinge is shown in connection with but one door in which case but one leaf 7 is employed and the ear or ears on one of the side faces of plate 1 are omitted. It will furthermore be seen that the leaves 7 in each instance are of the same length as that of the plate 1 which thus enables the doors to be effectively connected to the leaves.

What is claimed is:

A hinge composed of a solid plate of single thickness having a central ear which extends on one side face thereof and a pair of end ears which extend on the opposite side face of the plate, the front edge of the plate having fixed spaced end knuckles and a knuckle arranged centrally in the space between the end knuckles in registry therewith, and a pair of interchangeable leaves each having a pair of similar spaced knuckles of equal aggregate length arranged intermediate the ends thereof, the respective knuckles of the leaves being superimposed and supported from each other and from the central and the lower end knuckles of the plate, and a pintle passed through all of the knuckles and located in spaced relation to the front edge of said plate.

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Witnesses:

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