Aug. 7, 1923. 1,464,178

H. C. GOWRAN

HANGER

Filed Dec. 27, 1921 2 Sheets-Sheet 1

Fig. 1.

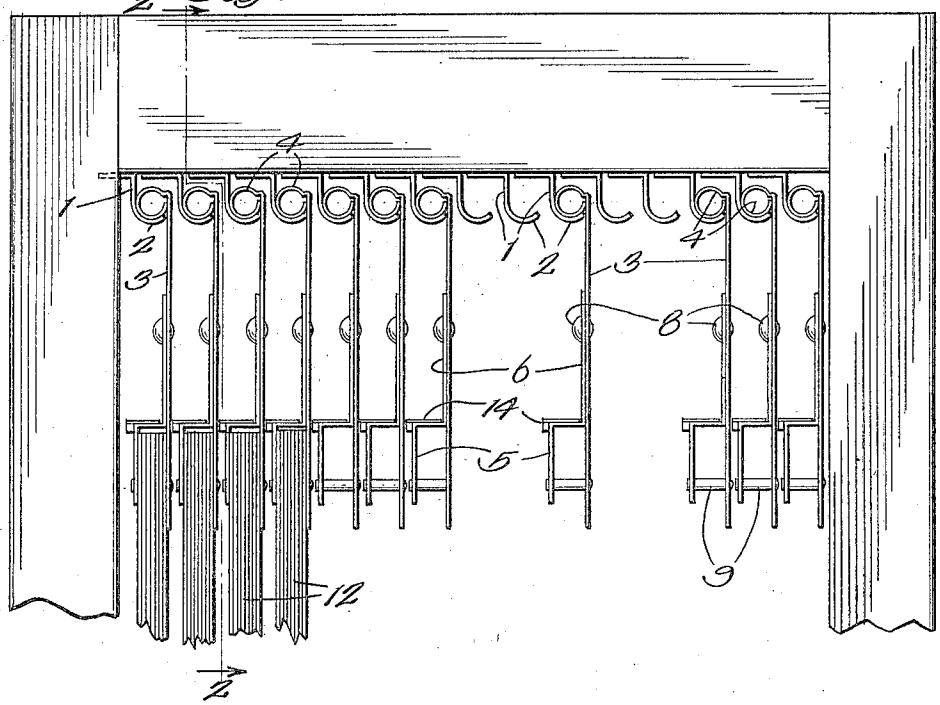
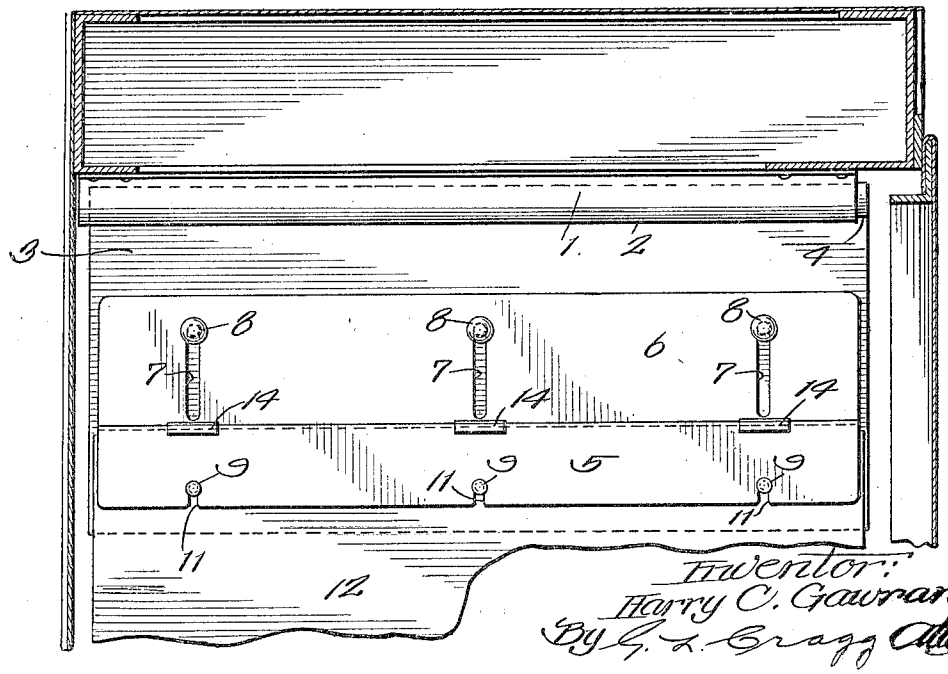


Fig. 2.



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Fig. 3.

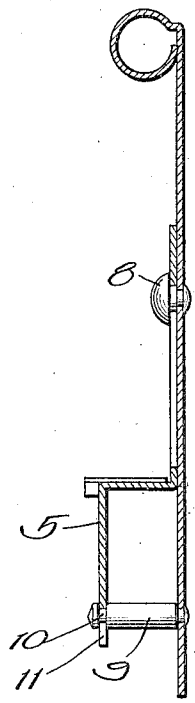


Fig. 4.

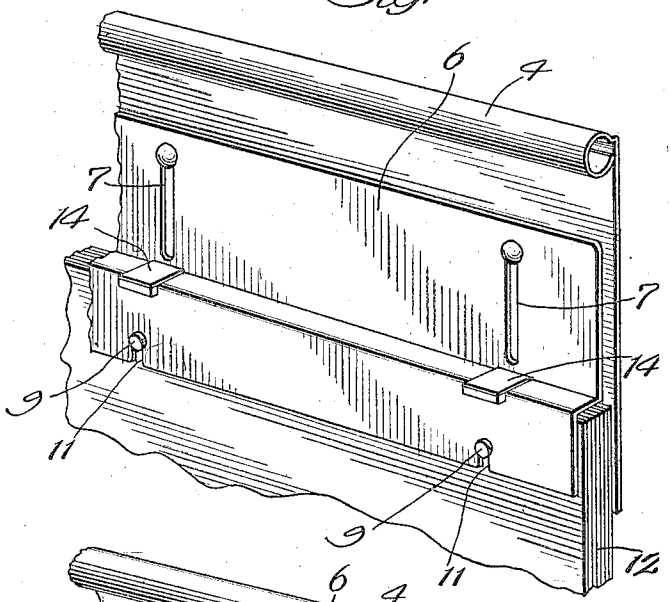
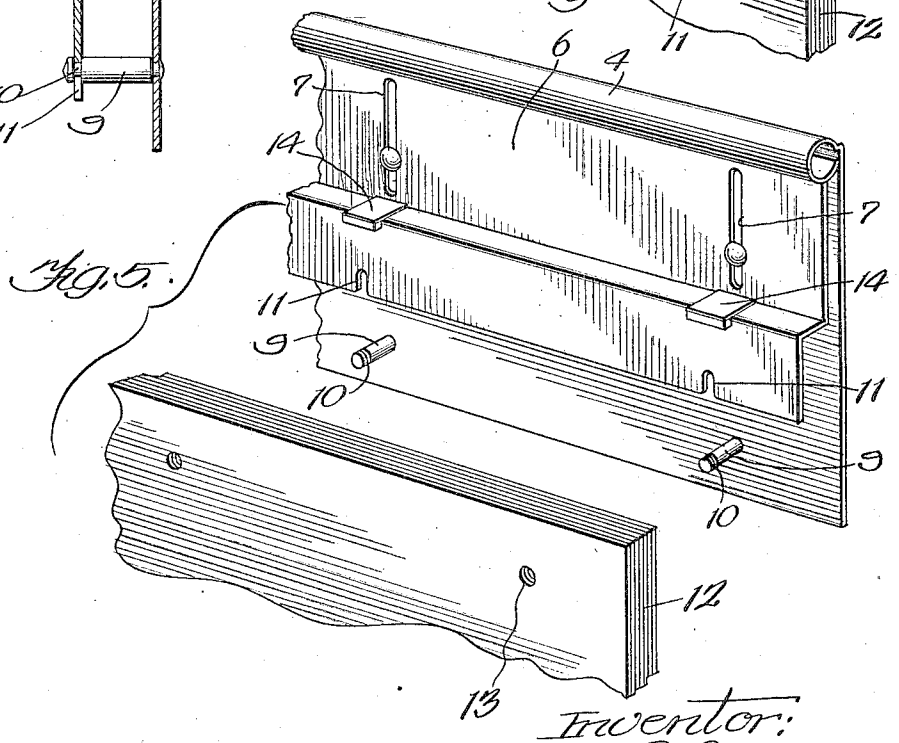


Fig. 5.



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Patented Aug. 7, 1923. 1,464,178

UNITED STATES PATENT OFFICE.

HARRY C. GOWRAN, OF TWO RIVERS, WISCONSIN, ASSIGNOR TO THE HAMILTON MANUFACTURING COMPANY, OF TWO RIVERS, WISCONSIN, A CORPORATION OF WISCONSIN.

HANGER.

Application filed December 27, 1921. Serial No. 525,135.

To all whom it may concern:

Be it known that I, HARRY C. GOWRAN, citizen of the United States, residing at Two Rivers, in the county of Manitowoc and State of Wisconsin, have invented a certain new and useful Improvement in Hangers, of which the following is a full, clear, concise, and exact description.

My invention relates to hangers and supporting hooks therefor and has a number of objects and advantages in view. The invention, in one aspect, relates to hooks and the object supporting members that are to be carried thereby.

The invention, in another of its aspects, is of particular service in filing mechanical drawings and blue prints thereof, though the invention is not to be restricted to any particular use to which it may be put.

The hanger of my invention is formed of sheet metal or other suitable sheet material and is inclusive of an offset portion at its top side that is adapted for entry within a hook. The hook of my invention is also formed of sheet metal or other suitable sheet material, the places of engagement of the hook and the offset portion of the hanger conforming to each other in shape, and being preferably of concentric curvature. In accordance with some characteristics of the invention the hooks are not to be limited to formation from sheet material. The hooks and hangers may be contained in a filing cabinet in which event the hooks are so closely approached to each other that the hangers that are therebetween cannot be withdrawn therefrom laterally thereof but are limited to movement longitudinally of the supported edge portions of the hangers.

The hangers themselves also have novel characteristics of construction, each being inclusive of a hood slidably mounted thereupon and serving in one position to cover the tops of the objects that are supported upon pins which are provided upon the hangers, this hood, in an alternative position, serving to clear said objects and pins so that objects may be removed from or placed upon the pins to be covered when the hood is lowered to its normal object covering position.

I will explain my invention more fully by reference to the accompanying drawings showing the preferred embodiment thereof and in which Fig. 1 is a front view of the upper portion of a filing cabinet with the hooks and some hangers of my invention in place therein; Fig. 2 is a sectional view on line 2—2 of Fig. 1; Fig. 3 is a cross sectional view of a hanger; Fig. 4 is a perspective view of a portion of the hanger, sheets being placed thereupon to be supported thereby; and Fig. 5 illustrates the structure of Fig. 4 with the sheets that are to be supported in separated relation, the hood being shown in elevated position to clear the object supporting pins that are upon the hanger.

Like parts are indicated by similar characters of reference throughout the different figures.

The hook 1 of my invention is formed of sheet metal or other suitable sheet material and has a lower hook portion proper 2 that is arcuate in cross section, being preferably a segment of a cylinder. The hanger 3 of my invention is also formed of sheet metal or other suitable sheet material and has an offset portion 4 at its upper end that enters the hook 2. The offset portion 4 of the hanger is preferably of cylindrical shape and of such size that it is concentric or coaxial with the hook portion 2 when positioned therein. When a filing cabinet is equipped with the hooks and hangers of my invention said hooks are desirably so closely approached that the hangers therebetween cannot be removed laterally thereof but must be moved along the axes of the hooks which are preferably open at both ends of each hook and at least at the front end of the cabinet for this purpose.

Each hanger is formed with a hood or canopy 5 that is slidably mounted upon the hook. Each canopy is preferably also formed of sheet metal or other suitable sheet material and has a back portion 6 formed with upright slots 7 that receive the shanks of rivets 8 that guide the hood in its up and down movements. The hood itself forms an integral continuation of the back portion 6 as indicated most clearly in Fig. 3, whereby there is afforded desired space between the front wall of the hood and the hanger for the reception of the objects to be filed.

Each hanger preferably carries a plurality of sheet or other object supporting pins 9 that are riveted at their inner ends to the upright plate hanger and which are provided with annular grooves 10 at their forward

ends for the reception of portions of the hanger which margin the openings in the upright slots 11 formed in the front wall of the corresponding hood for the reception of the pins. This construction insures maintenance of the objects on the pins when the hood is lowered.

The various figures of the drawing, excepting Fig. 3, illustrate a group of sheets 12, such as blue prints and drawings, formed with holes 13 through which the pins may be passed in position to support said sheets. Where a number of hangers are assembled in the same cabinet, distance pieces 14 are located upon the tops of the hoods and are projected so far forwardly as to keep the front ends of the pins out of engagement with adjacent hangers and the rear ends of the pins upon such adjacent hangers.

Certain features not herein claimed form the subject matter of my copending application Serial No. 588,243, filed September 14, 1922.

While I have herein shown and particularly described the preferred embodiment of my invention I do not wish to be limited to the precise details of construction shown as changes may readily be made without departing from the spirit of my invention, but having thus described my invention I claim as new and desire to secure by Letters Patent the following:—

1. In a hanger, the combination with a plate; of supporting pins projecting from one face of the plate; and a hood slidably mounted upon said plate to be movable up and down and serving, in one position, to cover the tops of objects supported upon said pins, and in an alternative position to clear said objects.

2. In a hanger, the combination with a plate; of supporting pins projecting from one face of the plate; and a hood slidably mounted upon said plate to be movable up and down and having openings in line with and adapted to receive said pins and serving, in one position, to place said openings in position to receive said pins to cover the tops of objects supported upon said pins and in an alternative position to clear said objects.

3. In a hanger, the combination with a plate; of supporting pins projecting from one face of the plate; and a hood slidably mounted upon said plate to be movable up and down and having openings in line with and adapted to receive said pins and serving, in one position, to place said openings in position to receive said pins to cover the tops of objects supported upon said pins and in an alternative position to clear said objects, said pins having grooves in their outer ends in which portions of the hood margining said openings are received.

In witness whereof, I hereunto subscribe my name this 18th day of November A. D., 1921.

HARRY C. GOWRAN.