

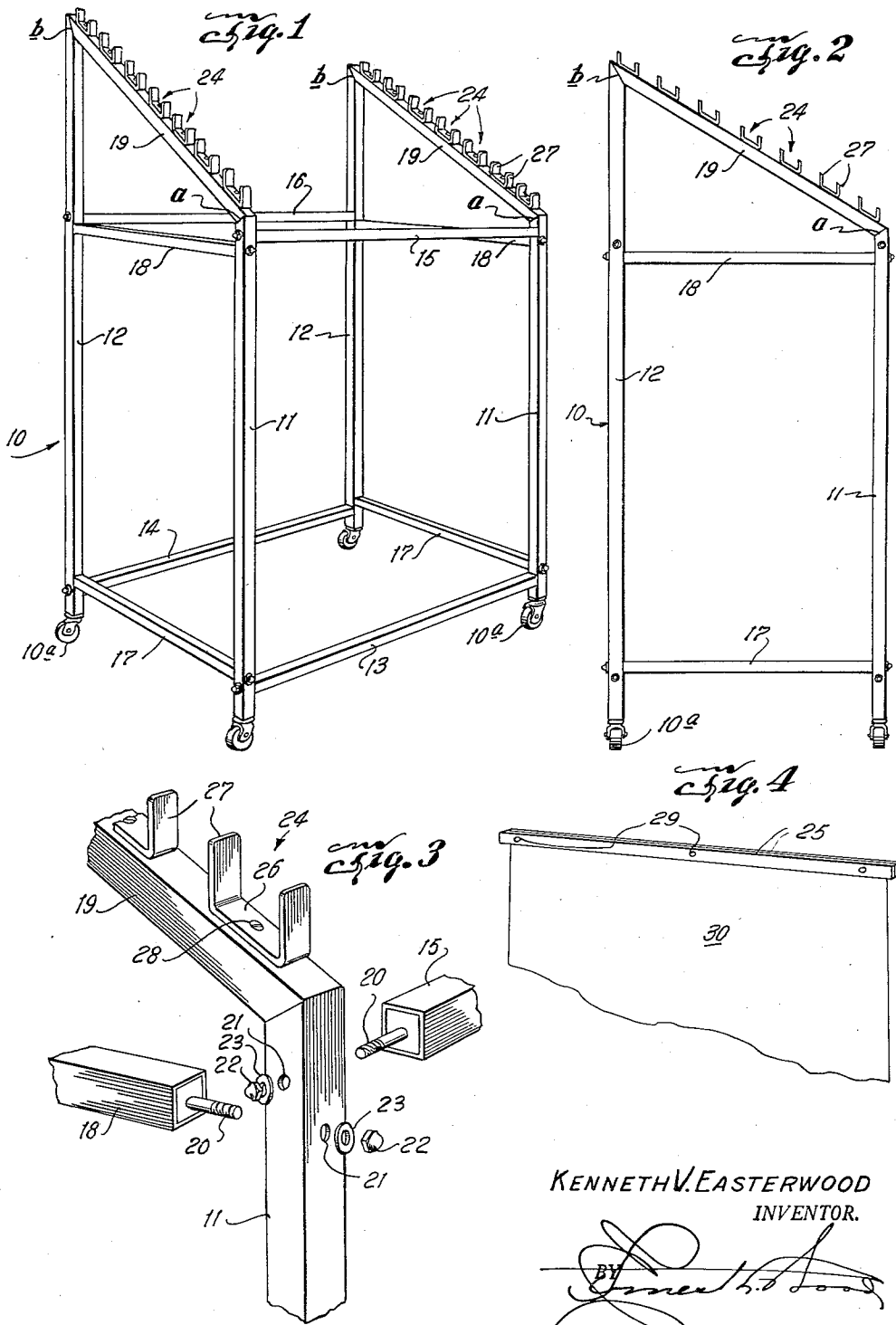
June 17, 1958

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2,839,200

HANGER FOR BLUE-PRINTS

Filed March 25, 1954



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HANGER FOR BLUE-PRINTS

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Application March 25, 1954, Serial No. 418,531

1 Claim. (Cl. 211-45)

This invention relates to portable article supporting racks and frames and it refers more particularly to a rack for plans, blue-prints and the like especially adapted for use by architects, engineers and those of like professions.

The principal object of the invention is to provide a blue-print rack which is at once simply designed and constructed and readily assembled and disassembled for convenient storage and shipment but its novelty lies chiefly in its usefulness in providing a rack for storage of plans, blue-prints and the like for ready access and reference.

Another object of the invention is to provide a rack of the character set forth which consists of few parts including four standards, suitably braced, and cooperating inclined members supported on the standards and carrying spaced apart brackets of substantially U-shape for receiving and retaining the ends of attachment strips extending from one to the other of the inclined members and from which are suspended the prints and plans for convenient handling.

Other objects and advantages will appear as the description proceeds when considered with the annexed drawing, wherein:

Figure 1 is a front perspective view of a blue-print rack constructed according to the invention.

Figure 2 is a side elevational view.

Figure 3 is a fragmentary perspective view on a larger scale showing the relationship of parts, and

Figure 4 is a perspective view of the hanger used to suspend prints or other articles in the rack.

Continuing with a more detailed description of the drawing, reference numeral 10 denotes generally the rack as a whole which is made up of four legs or standards supported on casters 10a, the front standards 11 being shorter than the standards 12 constituting the rear legs of the frame. The legs 11 and 12 on each end of the frame are made as a unit and are joined to the companion unit consisting of the legs 11 and 12 on the opposite end of the frame by means of horizontal lower cross-members 13 and 14 which, like the legs 11 and 12, are formed preferably of extruded square tubular stock. Upper cross-members 15 and 16 extend between the legs 11 and 12 of each side unit at a plane spaced slightly below the upper end of the front legs 11.

Each end section consisting of a front and rear leg 11 and 12, respectively, is braced adjacent its lower end by cross-brace 17 while a cross-brace 18 extends from one to the other of the legs 11 and 12 adjacent the points of connection therewith of the cross-members 15 and 16.

Each end unit of the frame has an inclined support 19 extending from the top of the front leg 11 thereof to the top of the rear leg 12. Actually, the legs 11 and 12 and the inclined support 19 are made in one piece or at least are joined together as by cutting and welding as at the mitered joints a and b. The cross-braces 17 and 18 of each end unit render the section sufficiently rigid as to require no further bracing and when the elements of the rack are disassembled for storage or shipment, the interconnecting cross-members 13, 14, 15 and 16 are arranged in parallelism with the long axes

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of the end units which are placed side by side when disassembled. In this manner, the entire structure may be packed in a carton of dimensions not much greater than one of the end units.

The members 17 and 18 of the end units and cross-members 13-14 and 15-16 joining the end units together are connected to the standards or legs 11 and 12 in any suitable manner but for purposes of illustration, Figure 3 shows the connections as consisting of a pin 20 extending axially from the end of a member 15 and of a member 18, these members each being of the same cross-sectional shape. The pins are each threaded and insertable in matched holes 21 in the leg 11, one set of holes being on a higher plane than the other. Round headed nuts 22 are then threaded onto the pins 20 after a washer 23 has been placed on the pins.

Attached at spaced intervals along the top surfaces of the inclined support 19 of each of the end units is a series of substantially U-shaped holders 24 which are adapted to retain the ends of blue-print attachment strips 25 (Figure 4). The holders 24 are each made of a metal strap 26 whose ends 27 are bent into a plane perpendicular to the horizontal. Each strap 26 is secured to the inclined rails or supporting members 19 by means of flat headed, countersunk screws 28.

The attachment strips or hangers 25 are conventional and consist of two of such strips which are coextensive and are secured together by screws 29, the screws passing through aperture punched in the blue-print 30. The extended ends of the strips 25 are disposed between the upstanding legs 27 of the U-shaped straps or holders 26 in the manner shown in Figure 4.

Manifestly, the construction as shown and described is capable of some modification and such modification as may be construed to fall within the scope and meaning of the appended claim is also considered to be within the spirit and intent of the invention.

What is claimed is:

A blue print rack comprising a frame having a pair of front legs and a pair of rear legs supported on casters, the rear legs extending above the front legs, a pair of horizontal, vertically spaced cross members extending between the legs of the pair of front legs, a pair of horizontal, vertically spaced cross members extending between the legs of the pair of rear legs, a pair of horizontal, vertically spaced cross braces connecting a front leg and a rear leg of each pair of legs at the sides of the frame, a threaded pin extending axially from each end of each of the cross members and cross braces receivable in holes in respective front and rear legs of the frame, each pin having a nut threaded thereon to secure said members, an inclined support extending from the upper end of each of the rear legs to the upper end of an adjacent front leg, a series of longitudinally spaced, substantially U-shaped holders affixed to each of the inclined supports, and means retained in and extending from a hanger of one support to a hanger of the opposite support for suspending blue prints.

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