

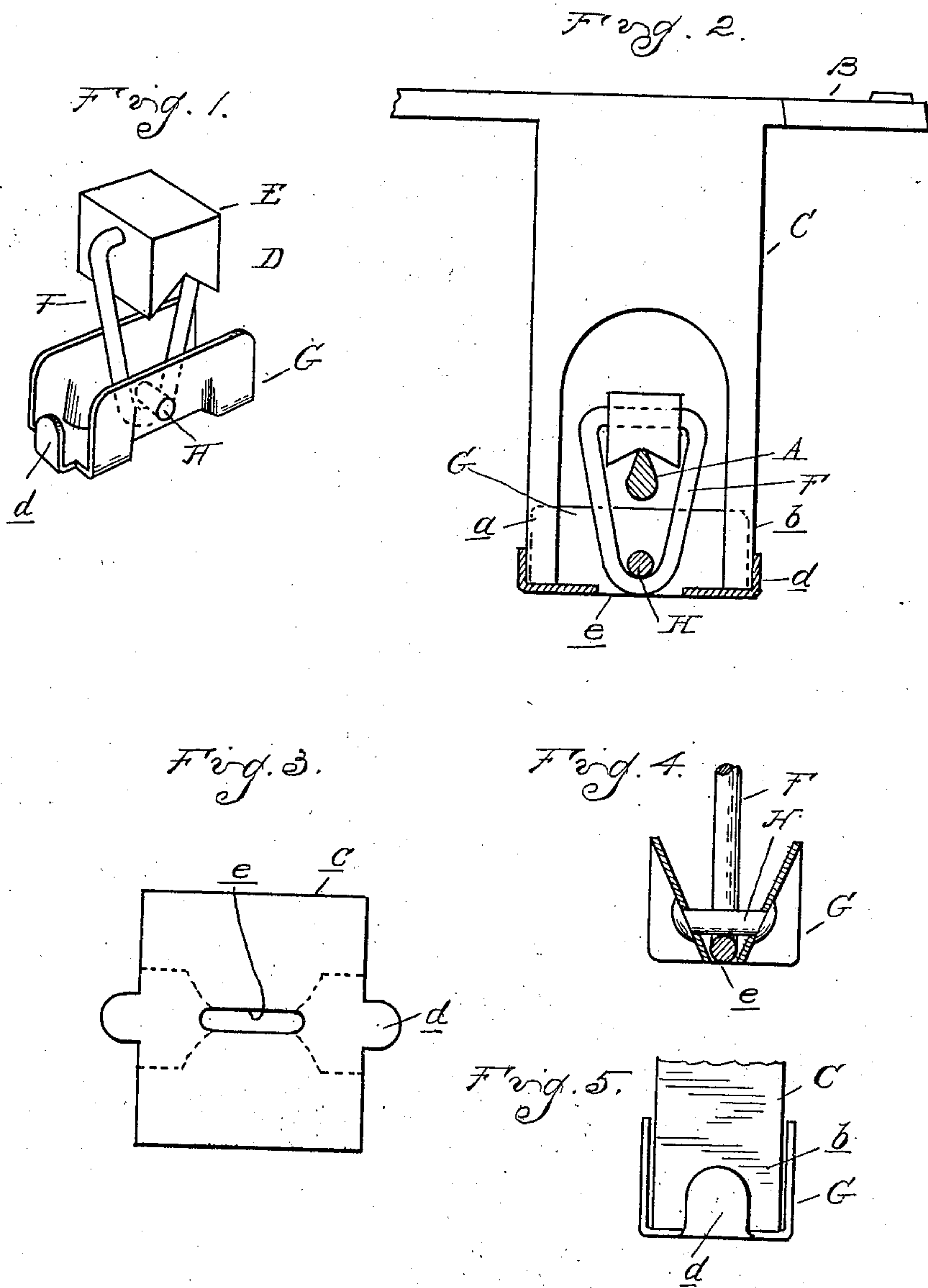
No. 889,221.

PATENTED JUNE 2, 1908.

J. L. GOOD.

PLATFORM SUPPORTING HANGER FOR SCALES.

APPLICATION FILED OCT. 11, 1906.



Witnesses

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JACOB L. GOOD, OF DETROIT, MICHIGAN, ASSIGNOR TO STIMPSON COMPUTING SCALE COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

PLATFORM-SUPPORTING HANGER FOR SCALES.

No. 889,221.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed October 11, 1906. Serial No. 338,500.

To all whom it may concern:

Be it known that I, JACOB L. GOOD, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Platform-Supporting Hangers for Scales, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to platform scales and consists in the novel construction of a supporting bearing for the platform, as hereinafter set forth.

In the drawings, Figure 1 is a perspective view of the bearing detached; Fig. 2 is a vertical section through a portion of the platform frame, illustrating the bearing in connection therewith; Fig. 3 is a plan view of the sheet metal blank from which a portion of the bearing is formed; Fig. 4 is a cross section through the hanger in the line of the pivot; and Fig. 5 is an end elevation thereof.

A is one of the knife-edge pivots secured to the platform levers (not shown), B is the platform supporting frame and C are lugs depending therefrom. The lug C is bifurcated to embrace the pivot A and in the space between the furcations *a b* thereof is arranged the swinging supporting hanger D. This hanger comprises the bearing block E which rests upon the knife edge of the pivot, the loop F and the chair G, with which the furcations of the depending lug C engage. The chair G is preferably formed from a single sheet metal blank *e*, as illustrated in Fig. 3, which is of substantially rectangular shape but has the ears *d* projecting from opposite sides thereof and also has a slot *e* in alignment with said ears. In striking up the blank, the central portion upon opposite sides of the slot *e* (indicated by the dotted lines Fig. 3) is bent into a V-shaped cross section, while the opposite end portions adjacent to the ears *d* are bent into a U-shaped section having substantially parallel sides and a flat bottom. The ears *d* are also struck up at right angles to the bottom to form ends and the whole structure is so formed that the furcations of the depending lug C will fit into the spaces upon opposite sides of the V-shaped section bearing upon the flat bottom. To complete the chair, a pivot pin H is passed centrally through the V-shaped cross section, engaging apertures in the opposite sides thereof and passing through the loop F.

Thus, the chair is supported from said loop free to oscillate in any direction, the V-shaped cross section permitting of oscillation in the plane of the pivot and the pivot permitting of oscillation in a plane transverse to the axis thereof. At the same time, the sides of the V are in close proximity to each other, so that the length of the pivot on its under or bearing side is but slightly in excess of the thickness of the loop. This imparts strength to the structure and permits of using a comparatively small pivot pin.

What I claim as my invention is:—

1. In a scale the combination with a frame and a depending lug thereon, a bearing, a loop depending from said bearing, a chair for detachably supporting said lug universally pivotally connected to said loop so as to be free to oscillate in relation to its supporting loop in transverse vertical planes.

2. The combination with a bearing, of a pivotal loop depending therefrom and a chair pivotally connected to said loop having a V-shaped cross section in the plane of the pivot, the opposite end cross sections having flat bottoms for supporting a detachable member therein, said chair being free to oscillate in relation to its supporting loop in transverse vertical planes.

3. The combination with a bearing, of a depending loop pivotally connected therewith and a chair pivotally connected to said loop having a V-shaped cross section in the plane of the pivot, the opposite end cross sections having flat bottoms, said chair being struck up from a single sheet metal blank.

4. The combination with a bearing, of a depending loop pivotally connected therewith and a chair pivotally connected with said loop struck up from a sheet metal blank and having a central V-shaped cross section and opposite end cross sections having flat bottoms.

5. The combination with a bearing, of a depending loop pivotally connected therewith and a chair struck up from a sheet metal blank having its end portions formed with substantially parallel sides and a flat bottom and a central portion formed into a V-shaped section, said chair being connected to said loop by a pivot passing across the "V" section and through the loop.

6. The combination with a bearing, of a depending loop pivotally connected therewith and a chair supported by said loop,

struck up from a sheet metal blank and having open channel cross sections at the opposite ends thereof, having substantially parallel sides and having a central V-shaped
5 cross section slotted at the apex and the sides being spaced at the narrow point substantially equal to the width of the loop and a pivot forming a connection between said chair and loop arranged to hold the latter at
10 the narrow point of cross section, whereby

said chair is held from lateral movement in relation to the lower end of the loop, but is permitted to oscillate or change its angularity to said loop in transverse planes.

In testimony whereof I affix my signature 15
in presence of two witnesses.

JACOB L. GOOD.

Witnesses:

JAMES P. BARRY,
THOS. O'DONNELL.