No. 885,885. PATENTED APR. 28, 1908.

W. F. STIMPSON.

SCALE BEARING SUPPORT.

APPLICATION FILED DEC. 8, 1906.

Fig. 1.

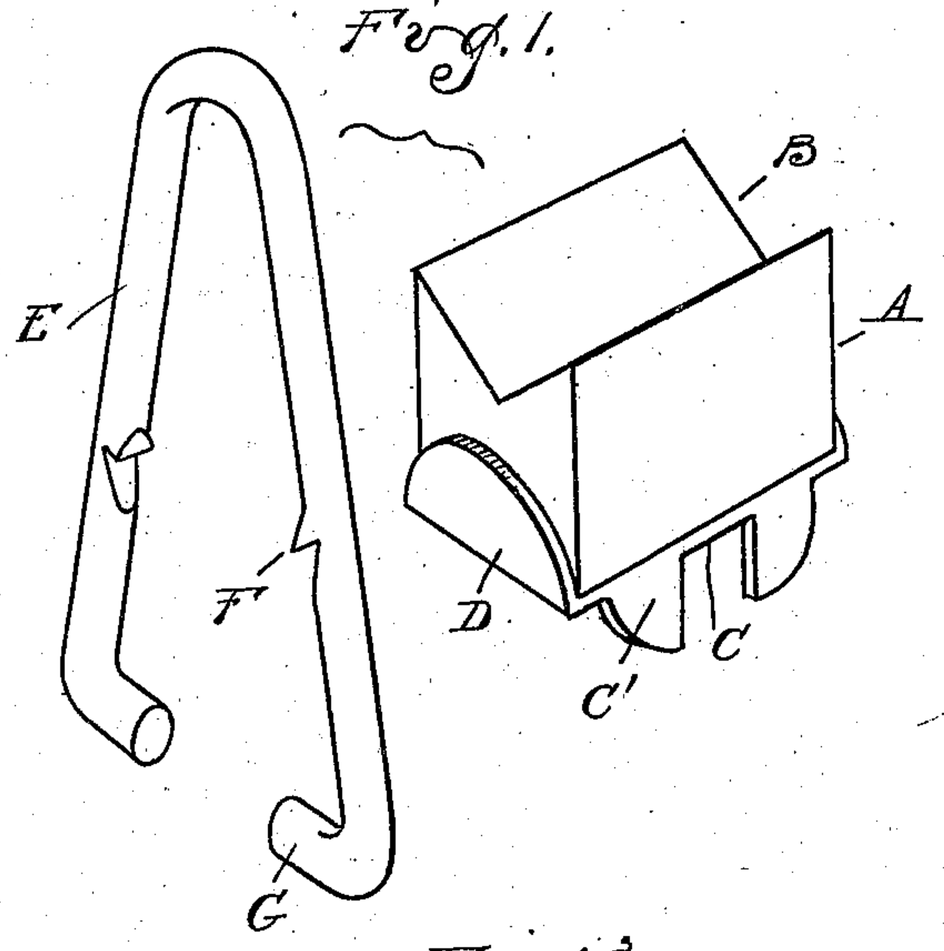


Fig. 2.

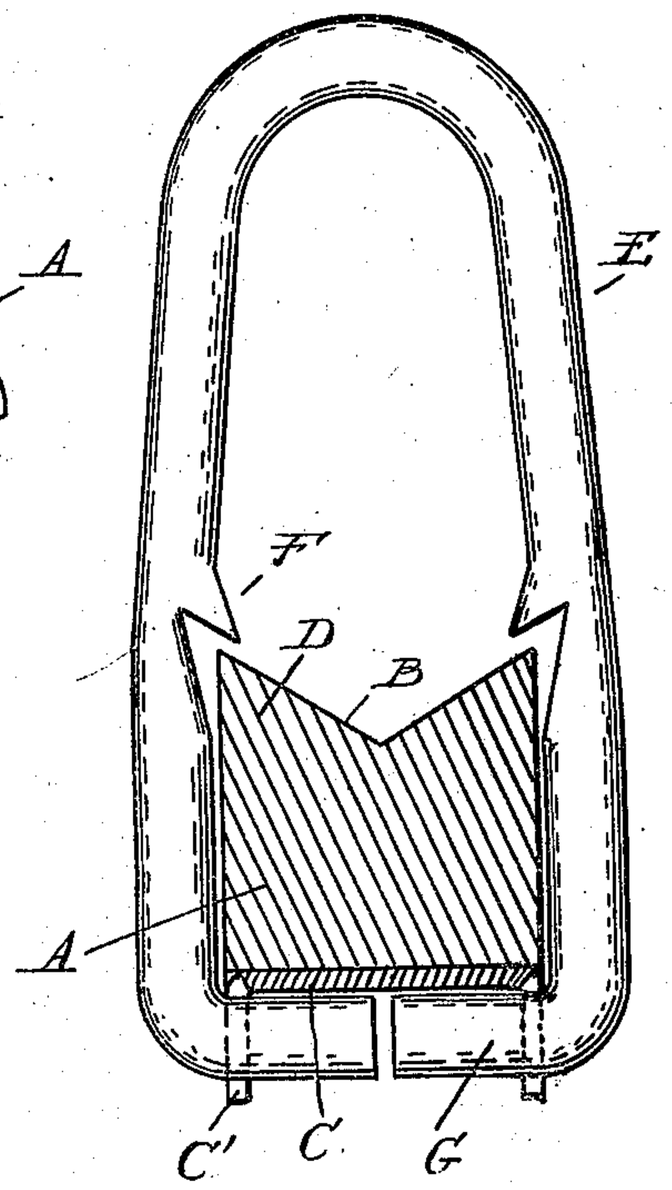
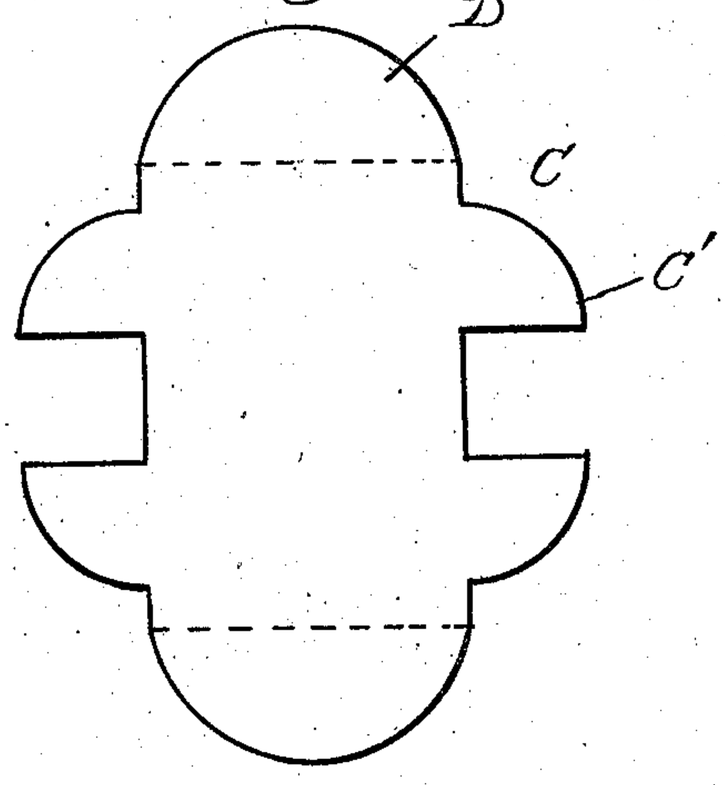


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WALTER F. STIMPSON, OF DETROIT, MICHIGAN.

SCALE-BEARING SUPPORT.

No. 885,885. Specification of Letters Patent. Patented April 28, 1908.

Application filed December 8, 1906. Serial No. 346,879.

To all whom it may concern:

Be it known that I, WALTER F. STIMPSON, 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 Scale-Bearing Supports, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to scale bearing supports, more particularly designed for the platform lever bearing, but is applicable to other parts of a scale.

The invention consists in the novel construction as hereinafter set forth.

In the drawings, Figure 1 is a perspective view of a scale bearing, and its supporting hanger detached; Fig. 2 is a cross section through the assembled hanger and bearing; Fig. 3 is a plan view of the blank from which the supporting platform for the bearing is formed.

In the present state of the art it is usual to form the bearings of scales of agate or extremely hard but somewhat fragile material. It is also common to provide protecting casings for the agate bearings, usually formed of metal, and for platform lever bearings, these casings have been pivotally attached to hanger loops.

The present invention relates to a construction of a supporting platform for a base for the agate bearing. Further in the construction of the supporting hanger therefor, in the manner of attaching the same to the bearing and supporting platform.

As illustrated, A is the agate bearing block provided on its upper face with the V-shaped groove B for receiving the knife edge pivot. This bearing is preferably of rectangular form, and is made without slotting or recessing any of its sides, with exception of the V-shaped groove in the top.

C is a supporting platform for the bearing block, which is preferably formed of sheet metal, and has at its opposite ends the upturned portions D for embracing the ends of the block A, and holding them from displacement. This platform is also provided with downward projections, preferably formed by notched portions C′ on opposite sides of the platform.

E is a hanger which is formed of a metal rod bent into a loop form and having its ends at the bottom. The space between the sides of the loop is sufficient to receive the block A, and above the block the sides of the loop are provided with inwardly projecting lugs F, preferably formed by striking out a portion of the metal.

The proportion of parts is such that, when the lower end portions G of the loop are arranged beneath the platform C, the lugs F will be above and projecting slightly over the upper edges of the block A, sufficient clearance being provided to permit said block to move angularly to adjust itself to the pivot.

With the construction described, the parts may be assembled by first slipping the block A between the upward projections D and then engage the loop E. This loop is first formed with its sides spread so as to permit of engagement with the bearing block and its supporting platform. The sides of the loop are then pressed inward to engage the inwardly projecting end portions G with the notched bearing C′, and to arrange the lugs F above the edges of the block A, as previously described. The loop will then hold the bearing block from sidewise displacement in relation to the platform. The ends D will hold the block from endwise displacement, and the lugs F will hold the block from vertical displacement. The platform is of sufficient strength to transmit and distribute the stresses from the pivot bearings G uniformly to all portions of the block, thereby preventing liability of fracture.

What I claim as my invention is:

1. The combination with a scale bearing block, of a supporting platform therefor, having downwardly projecting spaced lugs, and a pivotal support for said platform extending between said lugs and beneath said platform and held from displacement thereby.

2. The combination with a scale bearing block, of a supporting platform therefor having upwardly extending portions for embracing the ends of the block and spaced downwardly projecting portions, a loop embracing the sides of said block, and extending beneath the platform between said spaced downwardly projecting portions and an inward projection on the side of said loop above the block, for the purpose described.

3. The combination with a scale bearing block, of a supporting platform therefor struck up from sheet metal having upwardly

extending end portions, and downwardly extending notched side portions and a bent loop having its ends extending inwardly at the bottom, said loop embracing the block with the ends extending beneath the platform engaging the notched downwardly extending side portions and an inwardly extending lug on said loop above the bearing block, for the purpose described.

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

WALTER F. STIMPSON.

Witnesses:
AMELIA WILLIAMS,
NELLIE KINSELLA.