

(No Model.)

H. S. PULLMAN.  
CLAMP FOR BICYCLE BELLS.

No. 592,098.

Patented Oct. 19, 1897.

Fig. 1.

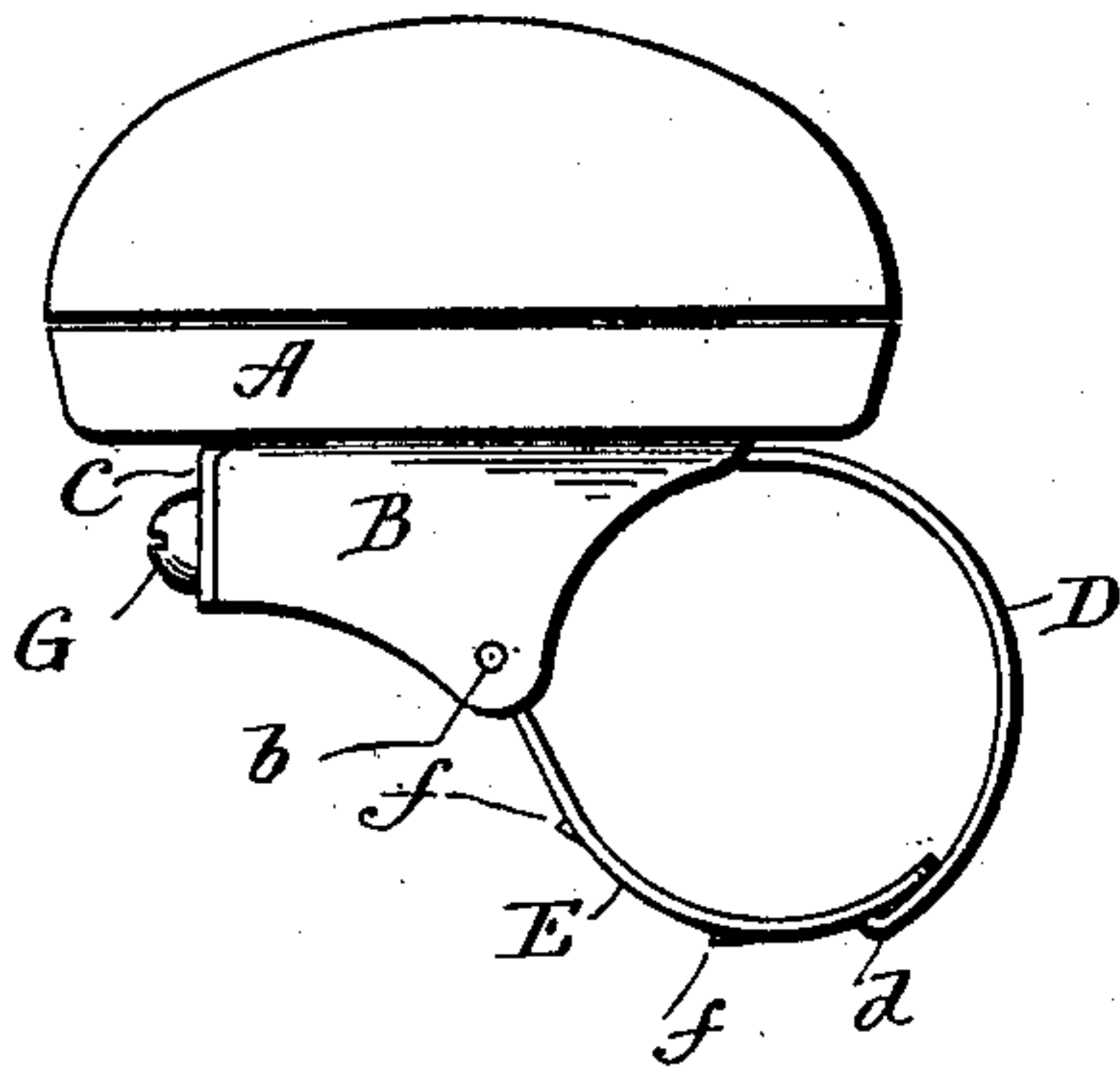


Fig. 2.

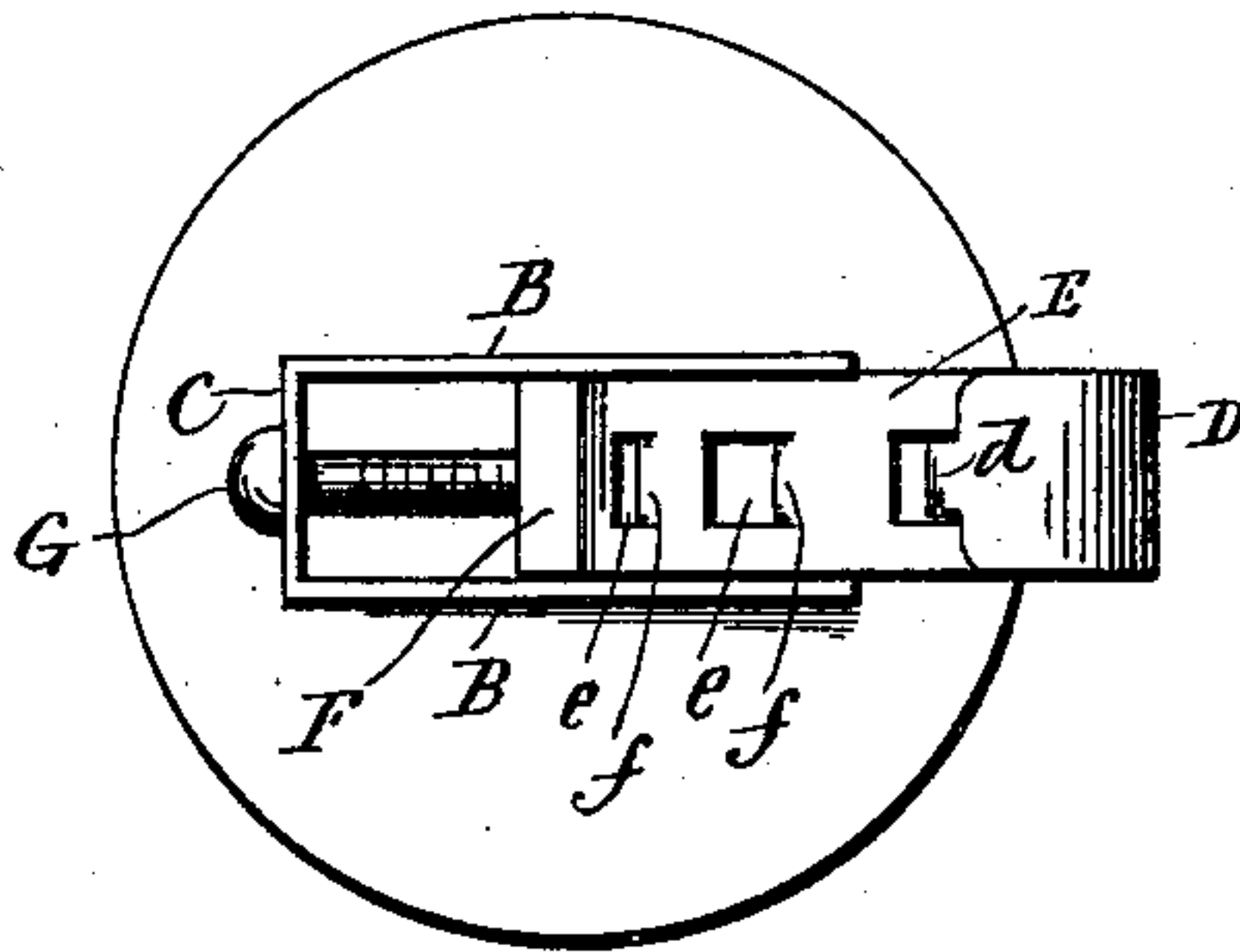


Fig. 3.

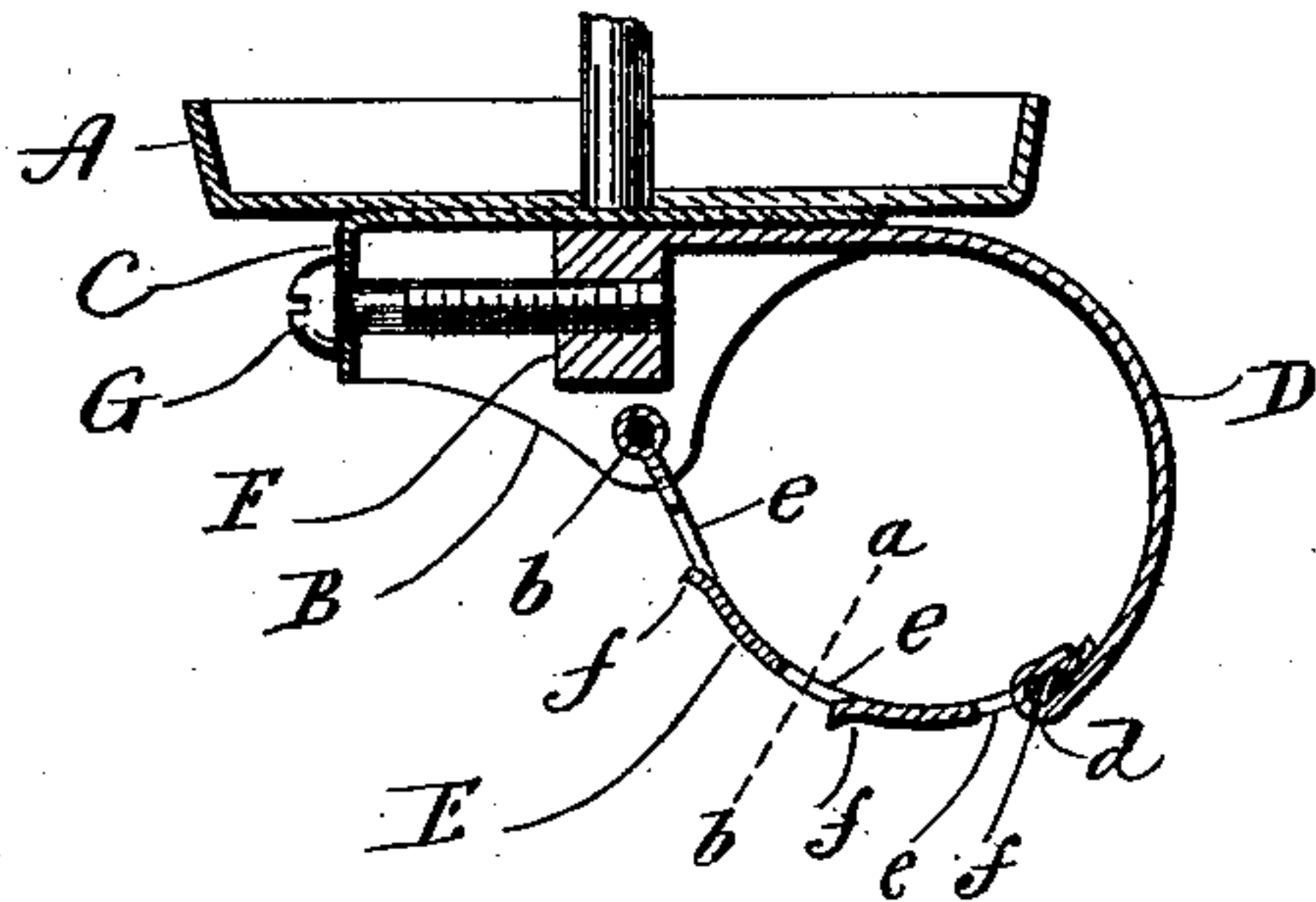
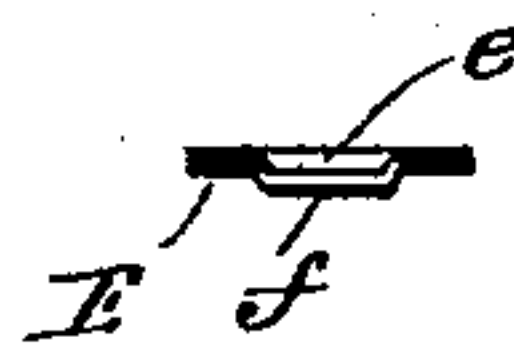


Fig. 4.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## CLAMP FOR BICYCLE-BELLS.

SPECIFICATION forming part of Letters Patent No. 592,098, dated October 19, 1897.

Application filed June 14, 1897. Serial No. 640,610. (No model.)

*To all whom it may concern:*

Be it known that I, HERBERT S. PULLMAN, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Clamps for Cycle-Bells; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of a bell with a clamp embodying my invention affixed thereto; Fig. 2, an under side view of the same; Fig. 3, a sectional view; Fig. 4, a sectional view of the outer strap on the line *a b* of Fig. 3.

My invention relates to an improvement in adjustable strap-clamps for securing bells to the handle-bars of bicycles, the object being to produce a simple, compact, durable, and effective clamp, constructed with particular reference to its convenient attachment to and removal from a handle-bar.

With these ends in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claim.

In carrying out my invention, I employ an inner strap *D* and an outer strap *E*, each composed of a short strip of sheet metal. The inner end of the inner strap *D* terminates in a nut *F*, receiving an adjusting-screw *G*, which is mounted in the end wall *C* of a sheet-metal housing, comprising also side walls *B B*, between which the said nut is located, and by which it is guided as it is moved back and forth by the screw. The said housing is adapted to be secured directly to the bottom of the base *A* of the bell, which may itself be of any approved construction. The inner end of the outer strap *E* is permanently connected with a pin *b*, the ends of which are mounted in the ear-like terminations of the lower edges of the side walls *B B* of the housing. The outer end of the strap *D* is formed with an integral inwardly-turned coupling-hook *d*, adapted for insertion into transversely-arranged coupling-slots *e*, formed in the outer strap *E*, the outer or lower edges of these slots

being raised or lifted above the plane of the face of the strap, so as to facilitate the engagement of the coupling-hook with the slots, and so as to provide more clearance for the beak of the hook. The forward edges of the side walls *B B* of the housing are concaved to substantially conform to the curvature of the two straps.

In applying a bell provided with my improved clamp to the handle-bar of a bicycle, the adjusting-screw is turned inward sufficiently to give the inner strap sufficient slack to permit the coupling-hook at its outer end to be readily engaged with one of the transversely-arranged coupling-slots formed in the outer strap, both of the straps being at the time clasped around the handle-bar. When the straps are thus coupled together, the screw is turned outward to draw the nut inward, whereby the two straps are tightly drawn around the bar. I have spoken of the application of the bell to the handle-bar of a bicycle, although it is apparent that my improved clamping device is equally well adapted to secure a bell to any part of a bicycle frame.

By employing two independent straps, and providing for the convenient engagement and disengagement of their free ends, I am enabled to apply a bell to a handle-bar or other part of a bicycle without disengaging the adjusting-screw from the nut with which it coacts. This makes the use of my improved clamp very simple and convenient.

I am aware that it is old to provide the adjustable strap-clamp of a bicycle-bell with an adjusting-screw entering a nut attached to a continuous strap, and I do not claim such a construction.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a clamp for bicycle-bells, the combination with a housing adapted to be attached to a bicycle-bell, of an inner strap formed at its outer end with an integral inwardly-turned coupling-hook, and provided at its inner end with a nut which is entered into the housing, an adjusting-screw mounted in said housing and entering the said nut, and an outer strap



having its inner end permanently connected  
with the housing, and formed with a series of  
transversely-arranged slots the lower or outer  
edges of which are lifted above the plane of  
5 the outer face of the strap for the more con-  
venient engagement of the hook with the slots  
and the better clearance of the hook.

In testimony whereof I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

HERBERT S. PULLMAN.

Witnesses:

T. R. HYDE, Jr.,  
M. L. SPERRY.