

(No Model.)

H. S. PULLMAN.
BICYCLE BELL.

No. 578,262.

Patented Mar. 2, 1897.

Fig. 1

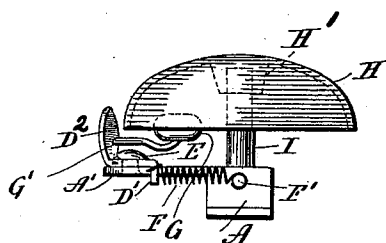


Fig. 3

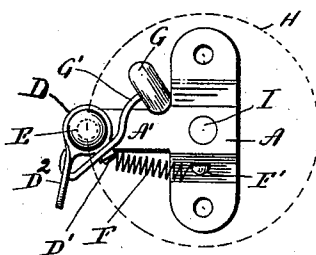


Fig. 4

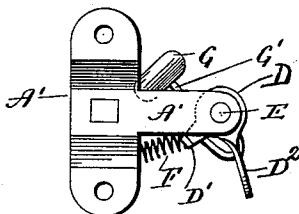
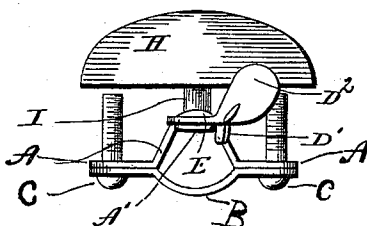


Fig. 2



Witnesses.

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HERBERT S. PULLMAN, OF MERIDEN, CONNECTICUT.

BICYCLE-BELL.

SPECIFICATION forming part of Letters Patent No. 578,262, dated March 2, 1897.

Application filed June 8, 1896. Serial No. 594,670. (No model.)

To all whom it may concern:

Be it known that I, HERBERT S. PULLMAN, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Bicycle-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 view in side elevation of a single-stroke bicycle-bell constructed in accordance with my invention and looking at the clip endwise; Fig. 2, a similar view of the bell, looking at the clip sidewise; Fig. 3, a plan view of the bell with the gong removed; Fig. 4, a reverse plan view of the bell with the lower member of the clip removed.

My invention relates to an improvement in single-stroke bicycle-bells, the object being to produce a compact, durable, and effective bell constructed with particular reference to extreme simplicity of construction, fewness of parts, and capacity for being produced at a very low cost.

With these ends in view my invention consists in a single-stroke bicycle-bell having 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 a clip composed of an upper member A and a lower member B, formed of sheet metal and centrally bowed in opposite directions to adapt them to be applied to the handle-bar of a bicycle, the said clips being clamped upon the bar by means of screws C C passing through their ends. The upper member A of the clip is furnished with an integral laterally-projecting carrier-arm A', to the outer end of which the sheet-metal finger-lever D is pivotally attached by means of a pivot E, on which the lever turns in a horizontal plane. The said lever is constructed with an integral stop-finger D', which engages with one edge of the carrier-arm A' and provides for the attachment of one end of the spring F, the other end of which is secured by a pin F' to the bowed portion of the upper member A of the clip, as very clearly shown in the drawings. The striker or bell-hammer G is mounted

upon the outer end of a spring-wire G', the inner end of which is passed through and secured to the finger-piece D² of the finger-lever D near the base thereof. The gong H is provided with an inwardly-projecting centrally-arranged internally-threaded hub H', adapting it to be applied to the threaded outer end of a bell-post I, which is riveted in the apex of the upper member A of the clip. The parts of the bell are constructed and arranged so that when the bell is not in use the stop-finger of the finger-lever will be held by the spring in engagement with the adjacent edge of the carrier-arm, with the striker just clearing the gong. Now when the finger-lever is drawn outward by the finger against the tension of the operating-spring and let go the finger-lever will be swiftly drawn back by the recovery of the spring until it is abruptly stopped by the reengagement of the stop-finger with the carrier-arm, but the striker will be carried on by its inertia, springing the elastic wire upon which it is mounted and striking the gong, which will be sounded once with a clear ringing note. By reason of the simplicity of the construction of the bell and the convenience of its operation the bell may be operated rapidly, if desired.

It is apparent that in carrying out my invention some changes from the construction herein shown and described may be made, and I would therefore have it understood that I do not limit myself to the exact form shown, but hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

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

In a single-stroke bicycle-bell, the combination with a clip having its upper member constructed with a carrier-arm, of a gong connected with the said member of the clip, a sheet-metal finger-lever pivoted to the outer end of the said carrier-arm upon the upper face thereof, and constructed with an integral stop-finger turned downward and outward across the plane of and so as to engage with one edge of the said arm, a spring attached to the said finger and to the said member of the clip, a yielding wire passed through and rigidly secured to the said sheet-metal

finger-lever, and a striker mounted upon the
outer end of the said wire and normally held
thereby out of contact with the bell with
which it engages consequent upon the yield-
5 ing of the wire due to the sudden stoppage of
the lever by the stop-finger thereof, substan-
tially as described.

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

HERBERT S. PULLMAN.

Witnesses:

W. E. PEPPER,
W. H. POOLEY.