

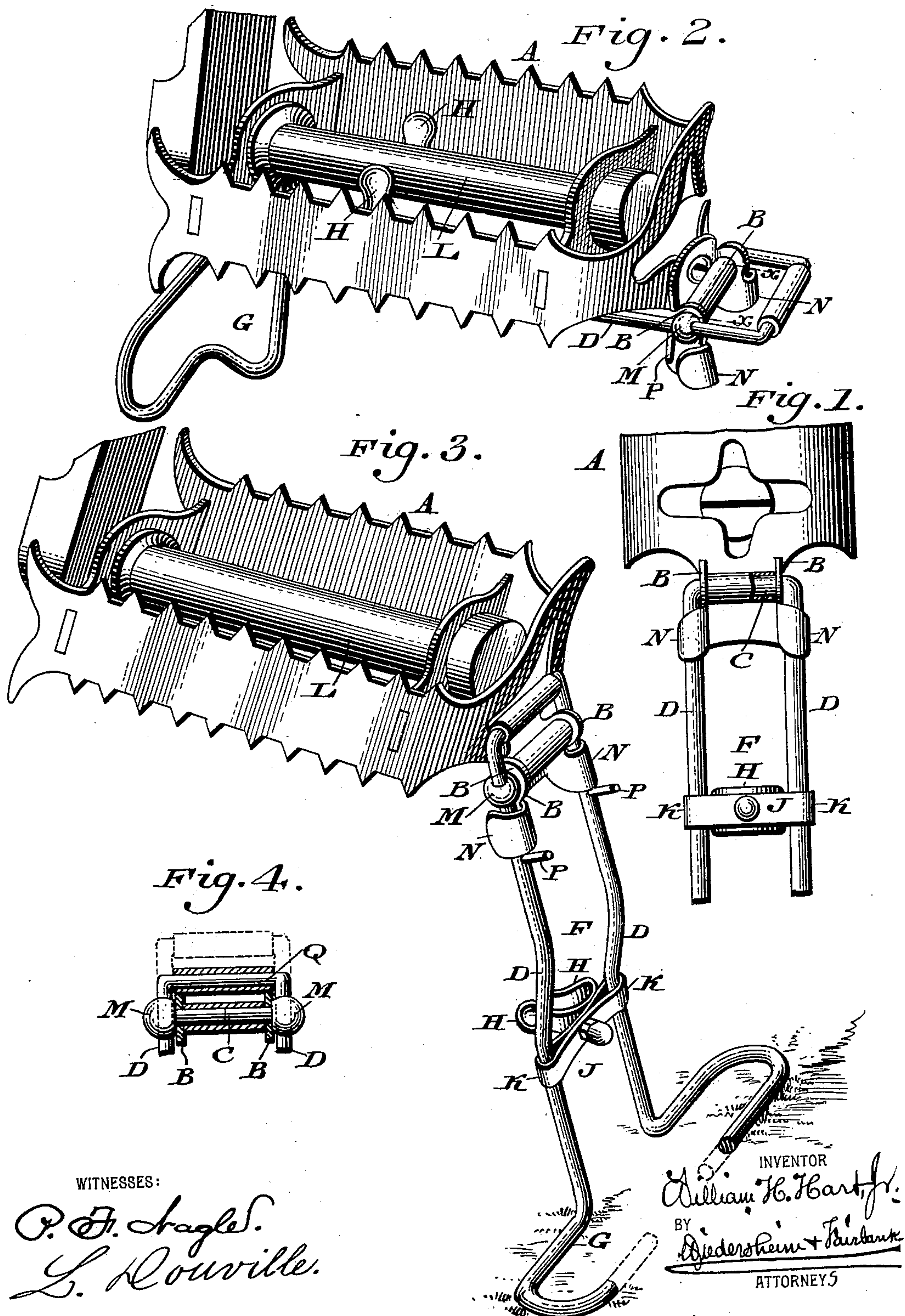
No. 626,695.

Patented June 13, 1899.

W. H. HART, JR.  
BICYCLE SUPPORT.

(Application filed Mar. 5, 1898.)

(No Model.)



WITNESSES:

P. F. Ingle.  
L. Rouville.

INVENTOR  
William H. Hart, Jr.  
BY  
Diederich & Fairbank  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

WILLIAM H. HART, JR., OF PHILADELPHIA, PENNSYLVANIA.

## BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 626,695, dated June 13, 1899.

Application filed March 5, 1898. Serial No. 672,658. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. HART, Jr., a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Bicycle-Supports, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a bicycle-support adapted to be folded on a pedal and having means for connecting it with the same when not required for use, said means being adjustable to different conditions of the pedal.

It also consists in providing the pedal with novel means for controlling the outward motion of the support when in operative position.

It also consists in adapting the support to be adjusted in vertical direction relatively to different lengths of pedals or irregularities of the ground, road, &c.

Figure 1 represents a front view of a portion of a bicycle-support embodying my invention. Figs. 2 and 3 represent perspective views of the support in different positions. Fig. 4 represents a vertical section of a portion on line  $x x$ , Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a bicycle-pedal, which, excepting the feature of my invention applied thereto, is of usual construction. Secured to the outer end of the frame of said pedal are the ears B, in which is mounted the journal C of the swinging legs D of the support F, the lower end of which is provided with the feet G, which form a broad base for the support.

H designates elastic jaws, which are connected with the cross-bar J, on whose ends are the ears K, the latter being freely fitted on the legs D, whereby said bar may slide on said legs and the jaws adjusted in position relatively to the central sleeve L of the pedal, it being noticed that when the support is not required for use it is folded upwardly against the under side of the pedal, and the jaws H then grasp the sleeve L, whereby the support is held in folded condition on the pedal, as will be apparent on inspection of Fig. 2. When, however, the support is required, it is drawn downwardly, when the holding power

of the jaws is overcome, the support then assuming the position shown in Fig. 3, whereby the bicycle will be sustained.

When it is required to shorten the operative condition of the support, the legs D are passed freely through eyes M, formed on or connected with the ends of the journal C, so that said legs may slide in said eyes and thus be raised, as shown in dotted lines, Fig. 4, or lowered to full extent.

In cases where it is not intended to have sliding or extensible motions imparted to the support the legs are directly connected with the journal C, as shown in Fig. 1.

In order to limit the outward position of the support when in use, the ears B have connected with them the lips N, somewhat of the form of hooks, against which the legs are adapted to abut, as shown in Fig. 3, the legs, however, being removed from said lips when the former are folded on the pedal. As said lips are hook-shaped or channeled they receive the legs, and while acting as braces for the latter they also prevent outward and lateral motions of the same.

In order to limit the upward-sliding motion of the legs, they have connected with them at a suitable distance below the lips N the pins or projections P, which are adapted to abut against said lips as stops, as will be seen in Fig. 3. As the cross-bar T is adapted to slide on the legs, the jaws H when pressed against the pedal-shaft sleeve slide with said bar along the latter until fully overcome, when they spring on said sleeve and so take hold on the same without regard to irregularities in the jaw or sleeve and avoid the employment of severe power to close the jaws in the sleeve, due to the short leverage of the legs.

In Fig. 4 the legs are connected by the cross-bar Q above the journal C, whereby they are prevented from spreading at top, said cross-bar, which is at the top of the legs, being raised sufficiently above the journal C to allow the legs to be lowered a distance equal to that between said cross-bar and journal to accommodate the support to a pedal of an increased height, the pins P then being secured to the legs at the proper place contiguous to the lower edge of the lips N. Then the jaws H are adjusted so that they take hold of the



sleeve of the pedal-shaft at the proper place, so that the legs will not drop from said sleeve during the vibrations incident to the propulsion of the bicycle. As the cross-bar at the top of the legs abuts against the pedal-frame and the lips N in opposite directions, the legs are doubly sustained in their operative position both above and below the journal C.

The legs in the present case are formed of steel wire, to which, however, I do not limit myself.

In Fig. 1 the lips N and ears B are integral with the adjacent end of the pedal-frame, thus avoiding joints or fastening-screws or other devices, which would tend to weaken said parts. The journal C is inclosed by a sleeve between the ears B, thus increasing the bearings for said journal and preventing the ears from being bent toward each other or the legs from being wrenched from said ears, while the lips N receive some of the strain imparted by the legs, the latter being mounted on the upper ends, having long leverage, and so requiring to be properly controlled.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A pedal-frame, in combination with out-turned ears, and inturned lips thereon, and legs provided with jaws adapted to hold the same folded on said frame, a journal connecting the upper portions of said legs, and a sleeve on said journal, said journal being mounted on said ears with said sleeve between said ears, and said legs when in open position being adapted to enter said lips and abut thereagainst embraced by the sides of said lips.

2. A pedal-frame, ears on said frame, a journal in said ears and eyes on the ends of said journal, in combination with supporting-legs which are adapted to abut against said frame and are freely fitted in said eyes, so as to slide therein, said eyes movably connecting the legs with said journal.

WILLIAM H. HART, JR.

Witnesses:

JOHN A. WIEDERSHEIM,  
WM. C. WIEDERSHEIM.