

No. 764,415.

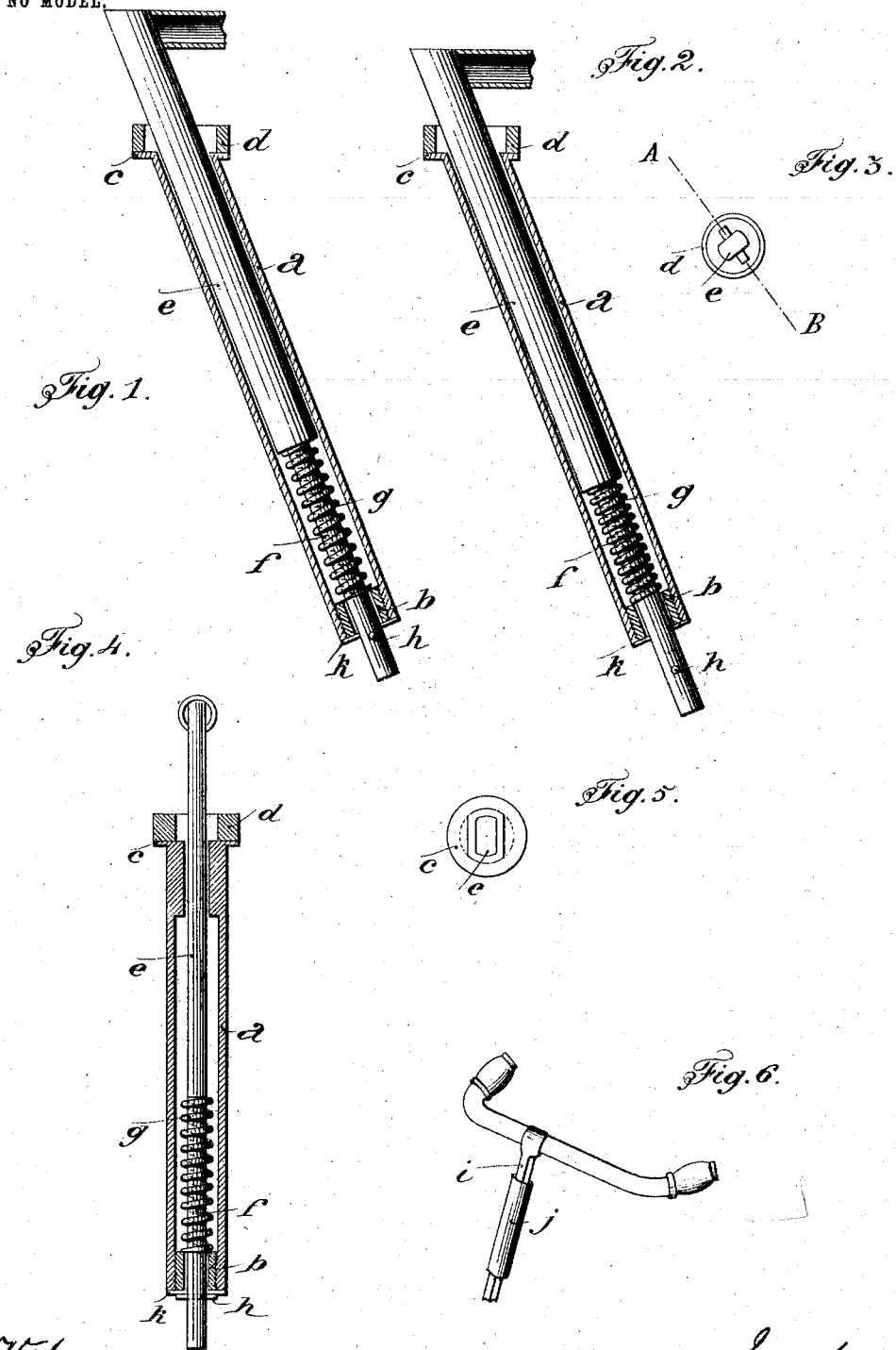
PATENTED JULY 5, 1904.

A. BEULIN.

SPRING SUPPORT FOR VELOCIPEDES OR THE LIKE.

APPLICATION FILED JULY 28, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

ACHILLE BEULIN, OF ABBEVILLE, FRANCE.

SPRING SUPPORT FOR VELOCIPEDES OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 764,415, dated July 5, 1904.

Application filed July 28, 1903. Serial No. 167,304. (No model.)

To all whom it may concern:

Be it known that I, ACHILLE BEULIN, a citizen of the Republic of France, residing at Abbeville, France, have invented certain new and useful Improvements in Spring Supports for Velocipedes or the Like; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention has for its object to produce an elastic support for the seat of a cycle-rider; and it comprises the adaption both to the saddle-post and to the handle-bar—that is to say, to those parts serving to support the body and members of the rider.

In the accompanying drawings, illustrating the invention, Figure 1 shows in section the saddle-post in its position of rest. Fig. 2 is a similar view of the saddle-post carrying the weight of the rider. Fig. 3 is an under side view of the saddle-post and its guide-tube. Fig. 4 is a section on line A B of Fig. 3. Fig. 5 is an under side view of the tube itself, and Fig. 6 shows the application to a handle-bar.

A tube *a*, carrying at the lower end a screw-threaded sleeve *b* and at the upper end a flange *c*, on which is secured a thick india-rubber ring or washer *d*, receives in the interior the saddle-post *e*, having its lower end reduced to a circular, rectangular, triangular, or any other suitable section.

In the example shown the rectangular section with rounded angles has been adopted for

the lower part *f* of this pillar or post. The spring *g*, which is intended to take up the shocks, is maintained in the interior of the tube *a* between the sleeve *b* and the offset of the post, a cross-pin *h* limiting the upward motion.

The india-rubber ring or washer *d* deadens the shock resulting from a violent jerk in the exceptional case that the saddle-post would be lowered to the end of its stroke and butt against the upper extremity of the tube. A thin copper washer *k* can be interposed between the lower part of the tube and the pin *h*, which abuts against the said washer. A similar arrangement is adopted for the post of the handle-bar *i*, sliding in the tube *j*, which is arranged in the same manner as the tube *a*.

I claim—

Spring supports for saddle-posts of velocipedes, handle-bars and the like, comprising a guiding-tube for the post, provided with a rubber ring *d* at the top end and with a sleeve *b* at the lower end, having a perforation of the same cross-section as the lower offset end of the post, a spring being interposed between the sleeve and the offset substantially as described.

In testimony whereof I affix my signature.

ACHILLE BEULIN.

In presence of—

LOUIS DUFOSSÉ,
RENÉ GOIRIEZ.