

A. MUTH.  
RIDING SPUR.  
APPLICATION FILED AUG. 17, 1908.

929,099.

Patented July 27, 1909.

FIG. 1.

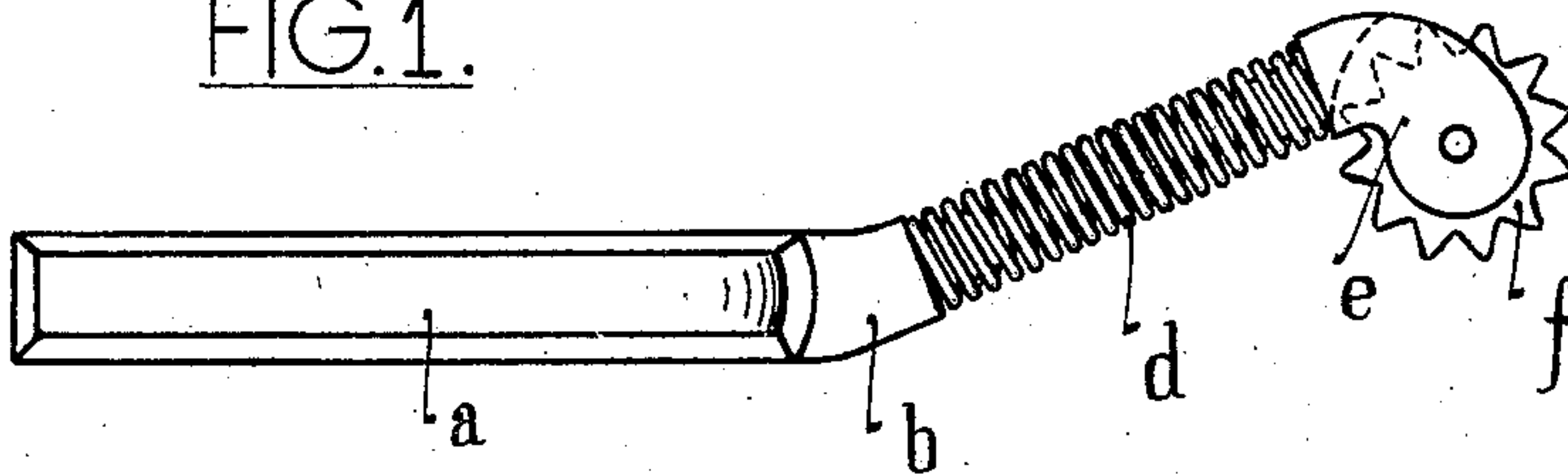


FIG. 2.

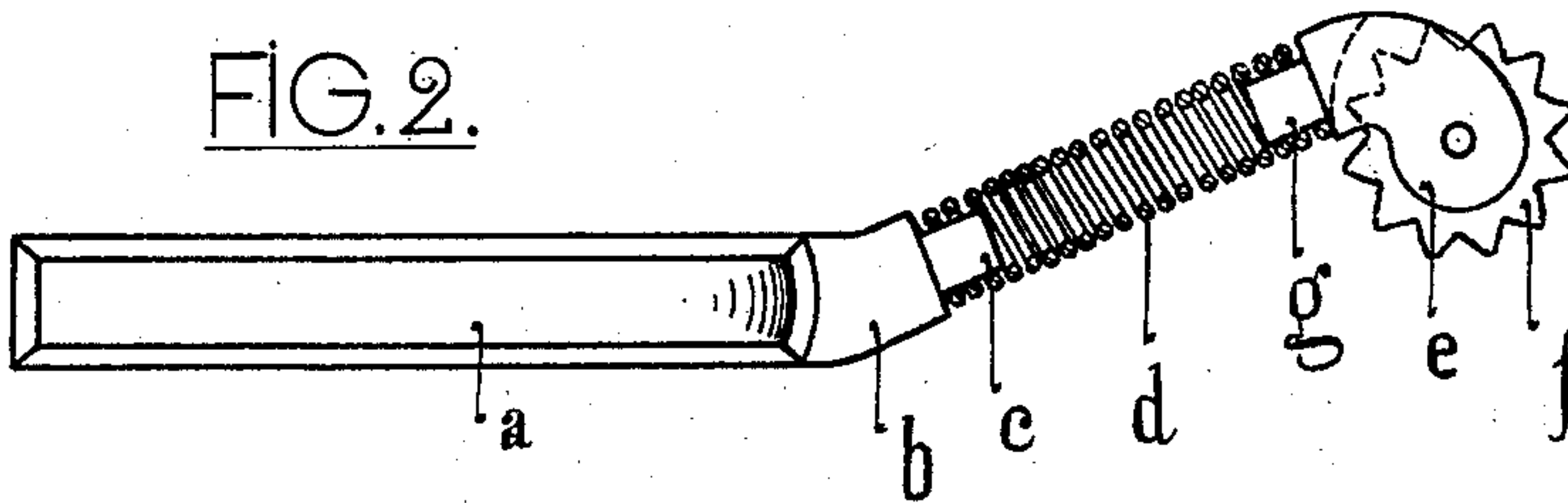


FIG. 3.

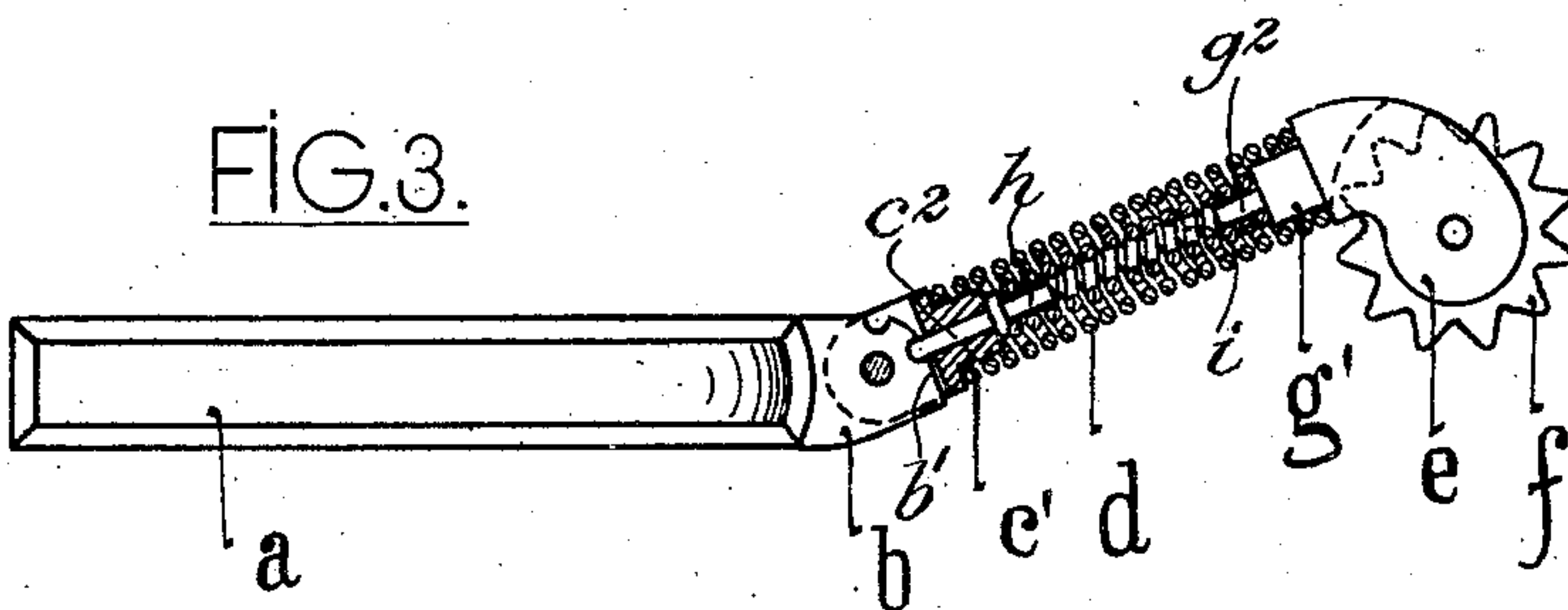
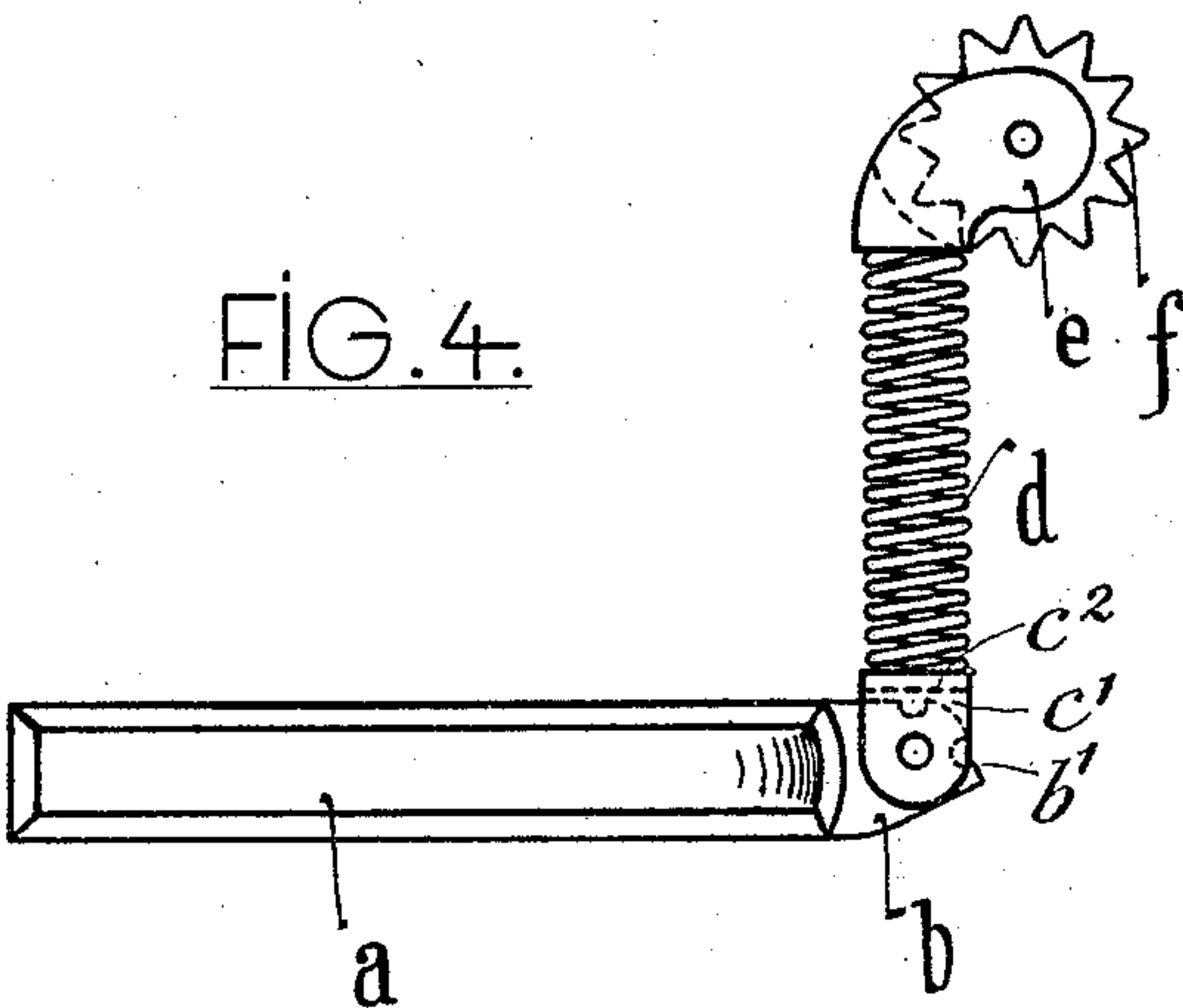


FIG. 4.



WITNESSES:

*C. M. Crawford*  
*E. Schallinger*

INVENTOR

*Adolf Muth*

BY

*N. Singer*  
ATTORNEY



# UNITED STATES PATENT OFFICE.

ADOLF MUTH, OF NUREMBERG, GERMANY, ASSIGNOR TO L. DOLLETSCHECK, OF MUNICH, GERMANY.

## RIDING-SPUR.

No. 929,099.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed August 17, 1908. Serial No. 448,942.

*To all whom it may concern:*

Be it known that I, ADOLF MUTH, of Nuremberg, Germany, have invented Improvements in or Relating to Riding-Spurs, of which the following description, in connection with the accompanying drawings, is a specification.

This invention relates to improvements in spurs or rowels especially adapted for use by equestrians but also adapted for other utilities.

One object of the invention is to simplify the construction of devices of this character by providing a spring which acts as the sole connecting and supporting means between the usual fork and the rowel mounting.

A further object of the invention is to provide a swivel or pivotal connection between the usual fork or support and the rowel so that when the rider dismounts the rowel can be swung upwardly in such a manner as to not encumber and interfere with free use of the feet in walking.

The invention has other objects and features of novelty which will be hereinafter more fully described in connection with the accompanying drawing and will be more particularly ascertained and pointed out in and by the appended claims.

In the drawing:—Figure 1 is a view in side elevation of one embodiment of my invention. Fig. 2 is a similar view with the spring in section. Fig. 3 is a view similar to Fig. 2 of a modified form of the invention with parts in section. Fig. 4 is an elevation of the form shown in Fig. 3 with the parts in a different position.

Like characters of reference designate similar parts throughout the different figures of the drawing.

As shown by Figs. 1 and 2 *a* designates the usual support which in the present construction is in the form of a fork adapted to embrace and be secured to the heel portion of the boot of the rider. The bight of the fork is provided with a lug *b*, herein shown as integral, and said lug *b* is provided with a spring supporting projection *c*. The rowel *f* is mounted in a rowel support *e*, conveniently in the manner shown, and the rowel support *e* is provided with a spring engaging projection *g*. A spring is provided for connecting the rowel support and the fork or main support and as shown said spring is so arranged that it forms the sole sup-

port for the rowel. As shown a spiral spring is employed and is indicated at *d* and is connected at its ends with said spring engaging projections *c* and *g*.

It will be obvious that by providing a spring which acts as the sole connecting means and support between the fork and the rowel the latter is not only yieldingly supported but the number of parts is greatly reduced in comparison with other riding spurs wherein a flexible and elastic connection between fork and rowel is provided.

A modified form of the invention is shown in Figs. 3 and 4 in which the fork is provided with a lug *b* having an integral engaging portion *b'*. The lug *b* is also notched as shown. A spring supporting member is indicated at *c'* and the same is forked to embrace the lug *b* and is pivotally connected therewith and provided with an engaging portion *c''*. The pivotal connection is so disposed that when the parts are in the position shown in Fig. 3 the cooperating engaging portions will limit further downward movement of the rowel but will permit of upward movement as illustrated in Fig. 4. The rowel *f* and rowel support *e* are substantially the same as in the construction heretofore described with the exception of the spring engaging portion *g'* which is provided with an extension *g''*. The spring *d* forms the sole supporting means for the rowel support *e* and engages the spring supporting member *c'* and spring engaging member *g'* in the manner shown. In order to lock the rowel support *e* in angular positions with respect to the fork *a* means are provided in the form of a locking plunger *h* which is slidably mounted in the spring supporting member *c'* in a manner to engage the notches on the lug *b*. A second spring *i* preferably disposed within the spring *d*, engages the plunger *h* and the projection *g''* and normally acts to force the plunger *h* inwardly toward the notches in the lug *b*. It will be obvious that the rowel can be adjusted to any desired position within the limitations provided by pulling outwardly upon the rowel to release the tension of the springs and swinging the rowel either upwardly or downwardly in accordance with the position in which it is to be adjusted. The plunger *h* serves automatically to lock the rowel in its upper or lower position and in addition to the



plunger  $\frac{1}{2}$  the locking portions serve effectively to prevent downward movement of the rowel beyond a predetermined point.

I claim:—

- 5 1. A device of the class described comprising in combination a support, a rowel with its support, and a spring serving as the sole connecting means between the two said supports.
- 10 2. A device of the class described comprising a fork, a spring supporting member pivotally connected with said fork, means for locking said member in angular position on said fork, a rowel support provided
- 15 with a rowel, a spring connecting said member and rowel support and forming the sole supporting means for said rowel support, and a spring associated with said support,

and means for maintaining the member in locking engagement with the fork. 20

3. A device of the class described comprising a fork provided with a lug having an integral engaging portion, a spring support having an element cooperating with the first mentioned portion to limit the mutual motion of said parts, a rowel support with rowel, and a spring serving as the sole connecting means between the rowel support and the spring support. 25

In testimony whereof I affix my signature 30 in presence of two witnesses.

ADOLF MUTH.

Witnesses:

HEINRICH FIETH,

LUDWIG DOLLETSCHKE.