

No. 641,783.

Patented Jan. 23, 1900.

A. W. LEWIS.
NUT LOCK.

(Application filed Nov. 20, 1899.)

(No Model.)

Fig. 1.

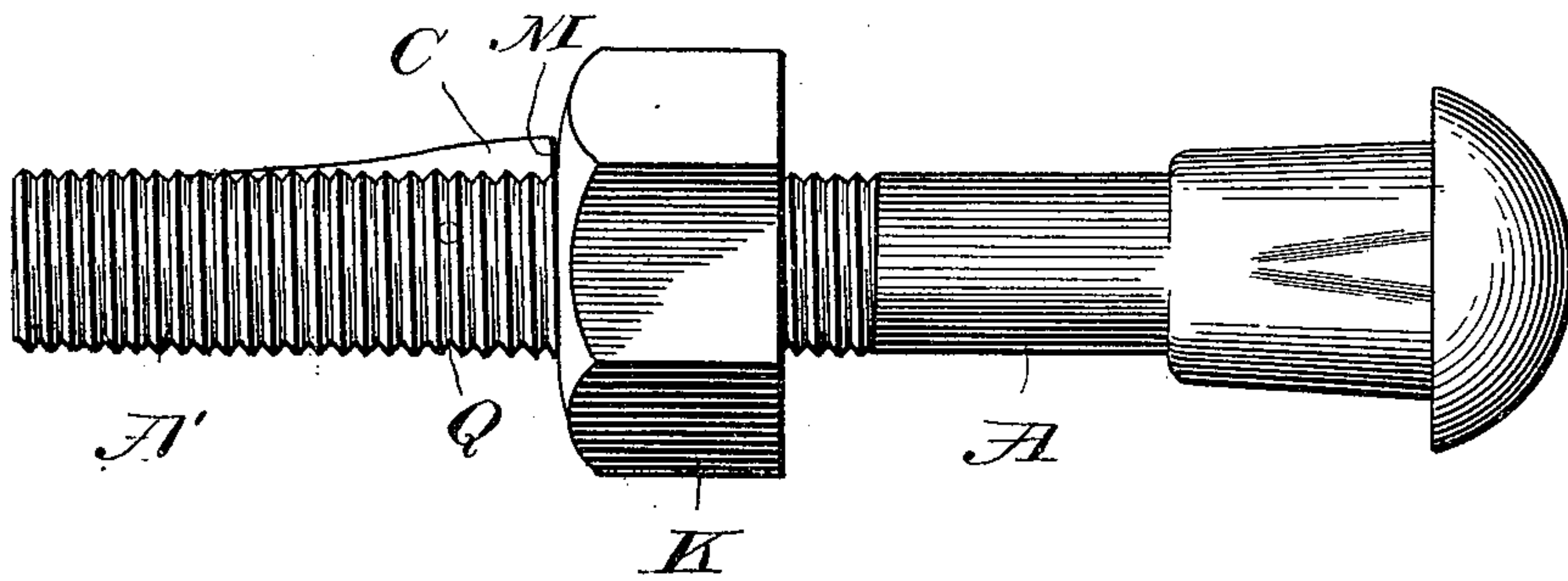
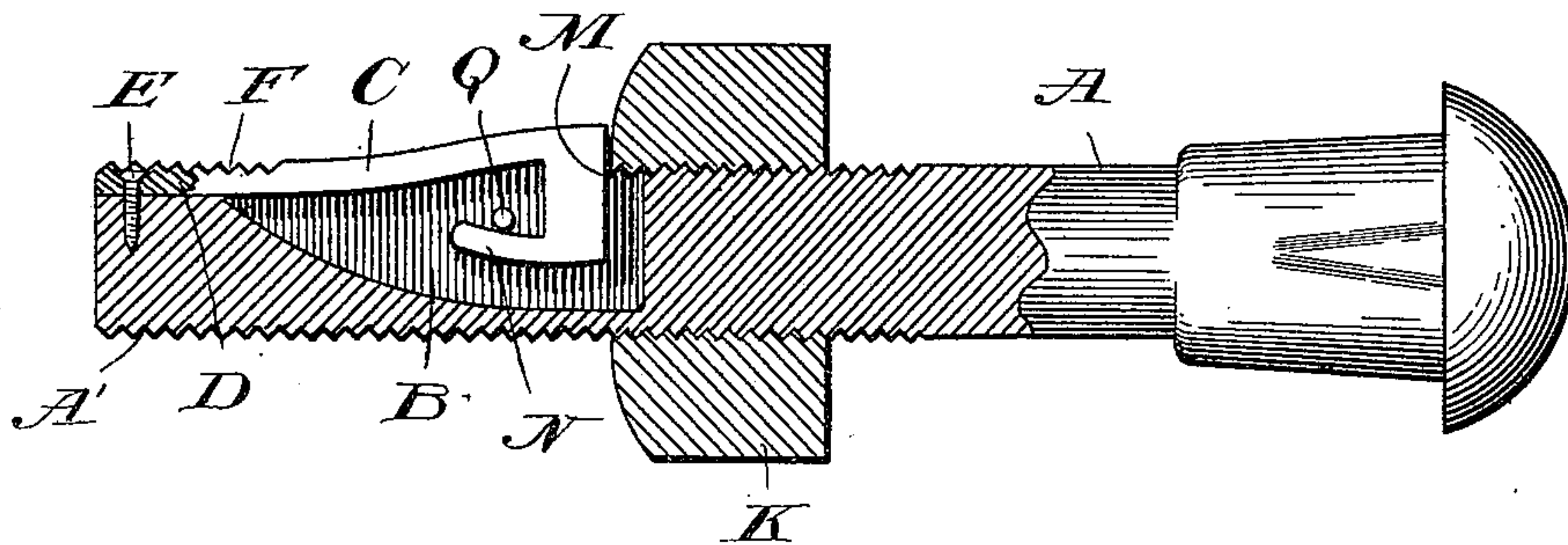


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

ARTHUR WALTER LEWIS, OF PRAIRIE STATION, MISSISSIPPI.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 641,783, dated January 23, 1900.

Application filed November 20, 1899. Serial No. 737,726. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR WALTER LEWIS, a citizen of the United States, residing at Prairie Station, in the county of Monroe and State of Mississippi, have invented certain new and useful Improvements in Nut-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in nut-locks, and especially to a knee-bolt nut-lock in which a spring-knee threaded at one end is securely fastened in a groove of the bolt, while the free end of the knee is seated in a recessed portion of the bolt and normally resting in the path of the nut, serving to retain same upon the bolt, but adapted to be sprung down in the recess of the bolt when it is desired to remove the nut.

Another feature of the invention resides in the provision of a nut-lock of the character described in which the spring knee, which is threaded adjacent to its fixed end and which threads are in registration with the threads of the bolt, is provided with a hooked free end bent at right angles to form a stop for the nut and the provision of a retaining-pin seated in the walls of the recess in which the knee is held, whereby the latter is securely held in place.

To these ends and to such others as the invention may pertain the same consists, further, in the novel construction, combination, and adaptation of parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

My invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a view of my nut-lock shown in elevation as applied to a nut and bolt. Fig. 2 is a central longitudinal sectional view through the nut-lock, the bolt, and nut.

Reference now being had to the details of the drawings by letter, A designates a bolt to which the lock is applied. This bolt is recessed, as at B, to receive the free springing

end of the knee C. Adjacent to and leading from one end of said recess is a groove D, provided to receive the fixed end of said knee and in which the latter is held by means of a screw E. The outer surface of the knee for a suitable distance in from its fixed end is provided with threads F, which are in registration with the threads A' of the bolt. The thickness of the fixed end of said knee is of such a width as to snugly fill said groove D, so that the nut K will readily screw over the threaded portion of the spring-knee. The free end of said knee, which serves to retain the nut on the bolt, is substantially L-shaped, and a right-angled portion M is presented as a stop after the nut has been screwed beyond the end of the knee and against which the nut strikes as it is unscrewed. The extreme end of the knee is bent, as at N, and is slightly upwardly turned, as seen in the drawings, and passes underneath a retaining-pin Q, which pin serves to limit the upward throw of the knee and retain same in the recess B.

The application of my invention will be readily understood when taken in connection with the foregoing and the drawings forming a part of the case. The lock may be used in connection with bolts of various sizes and lengths and for all purposes for which it may be applicable.

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

A nut-lock, comprising a bolt having a recess therein, a spring-knee substantially L-shaped, one end of said knee being seated in a groove leading into said recess, and a screw for retaining same in place, the threads F in registration with the threads of the bolt, the retaining-pin Q supported in the walls of said recess, the hooked end of the knee being slightly upwardly bent and passed underneath said pin, whereby the free end of the knee is securely retained in said recess, and serving normally as a stop for the nut, as set forth.

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

ARTHUR WALTER LEWIS.

Witnesses:

W. R. RICHARDSON,
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