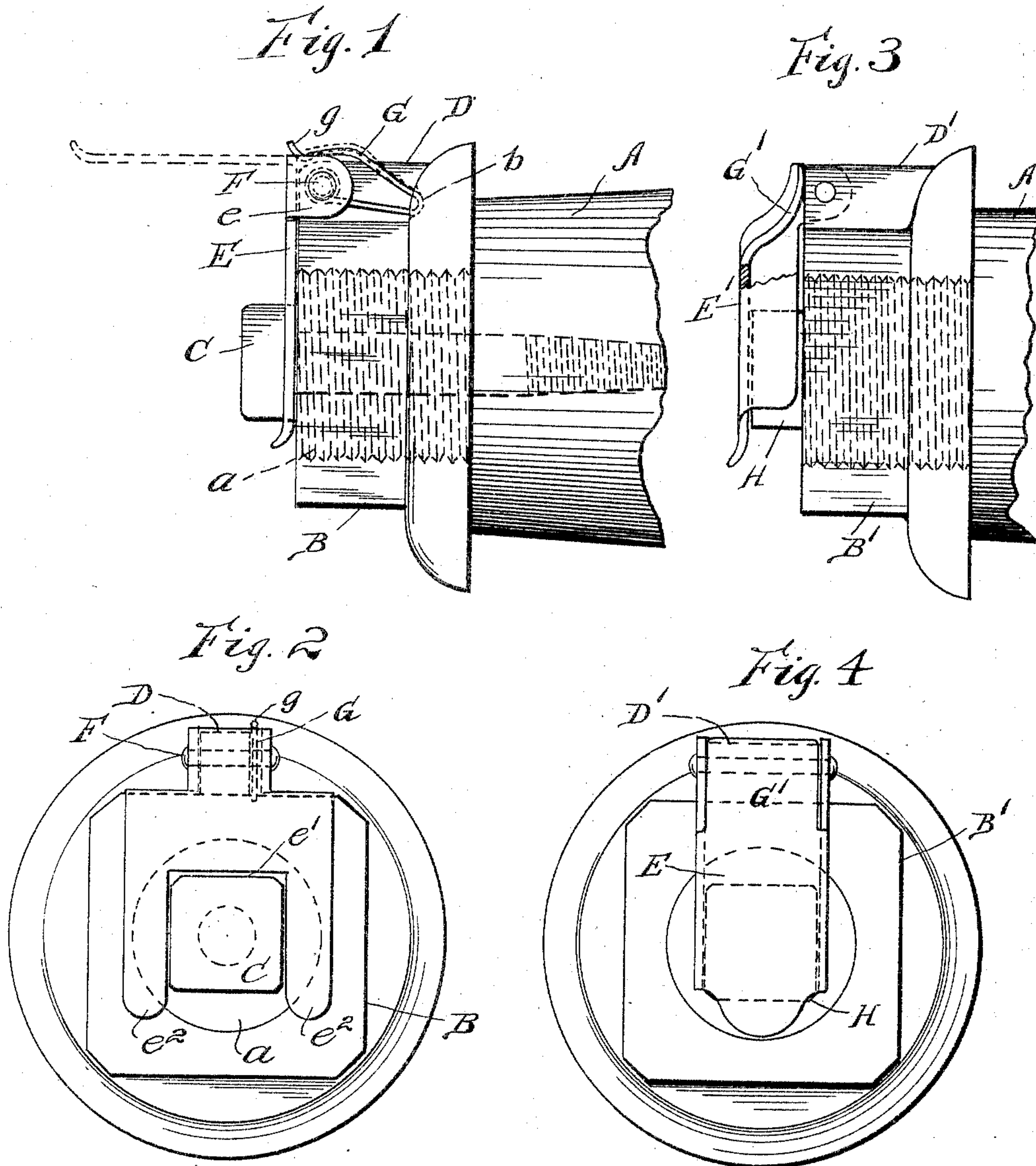


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W. H. WEBER.
SKEIN NUT LOCK.

APPLICATION FILED JULY 24, 1903. RENEWED JUNE 17, 1904.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM H. WEBER, OF CHICAGO, ILLINOIS.

SKEIN NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 780,080, dated January 17, 1905.

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To all whom it may concern

Be it known that I, WILLIAM H. WEBER, a citizen of the United States, residing at Chicago, in the county of Cook, in the State of Illinois, have invented certain new and useful Improvements in Skein Nut-Locks, of which the following is a specification.

This invention relates more particularly to means whereby a nut for a wagon-axle or similar purpose is prevented from being jarred or loosened from its position on the threads. While it is particularly adapted for skein-nuts, I do not wish to limit it to this use, as it is evident it may be adapted for other purposes. Its objects are to provide a convenient means for the purpose indicated, which may be readily attached to an ordinary nut and which may be adjusted to allow the nut to be unscrewed or screwed into place when desired.

It consists in the various novel features and details of construction, which will be set forth and claimed hereinafter.

In the accompanying drawings, illustrating this invention, Figure 1 is a side view showing a portion of the skein provided with a nut having my preferred form of lock. Fig. 2 is an end view of the same. Fig. 3 is a side view showing a modified form of construction. Fig. 4 is an end view of the device shown in Fig. 3.

A wagon-skein A is provided with the usual threaded portion *a*, which is engaged by the nut B. The skein is provided with a skein-bolt C, centrally located in the outer end thereof. At one side of the nut B is a lug D, to which is pivoted the nut-lock E. This lock is preferably formed of a flat piece of suitable material, from which the ears *e* are bent down to engage the pivot-pin F, which passes through the lug D. The lock E is sufficiently long to take over the head of the skein-bolt C and for this purpose is cut away, as shown in Fig. 2 at *e'*. The arms *e''* of the fork thus formed by the cut-away portion are preferably turned out slightly at the ends in order to be easily engaged by the fingers for swinging the lock on its pivot. A spring

G is secured to the pivot-pin and extends out to engage with a notch at *b* in the nut B and is then bent back to form a curved end portion *g*, which engages with the upper end of the lock E, is adapted to hold the lock in normal position for engaging the head C, and also for holding the lock in adjusted position, as shown in dotted lines in Fig. 1, when it is free from the head.

In the modification shown in Figs. 3 and 4 the nut B' is provided with a lug D', to which is pivoted the lock E. This lock is also formed of a single piece of metal and has lugs turned down for forming the pivot. The portion of the lock which is adapted to engage the skein-bolt head, or, as shown in Fig. 3, a lug H on the end of the skein, is flanged to form a cap or cover for said bolt head or lug. The upper central portion of the lock is turned in, as shown at G', to form a spring-tongue which engages with the outer face of the lug D' to hold the lock in normal engagement with the lug H and also engages the upper part of the lug D' to hold the lock in adjusted position.

The operation is readily seen from the above description and the drawings. When the nut is to be turned on, the lock is swung out into adjusted position in order to clear the bolt head or lug and is held in this position by the spring. When the nut is screwed in place, the lock is pressed down to engage with the bolt head or lug and is held in this position by the spring.

Having thus described my invention, which I do not wish to limit to the exact details of construction herein shown, what I claim, and desire to secure by Letters Patent, is—

1. In a nut-lock, the combination of a nut, a lug on said nut, a forked plate pivoted to said lug, a projection on the threaded portion with which said forked plate engages, a spring secured to the pivot-pin and said nut, having a free end adapted to engage with the heel of said plate, to hold said plate in normal or adjusted position, substantially as described.

2. In a nut-lock, the combination of a nut, a

plate pivoted to said nut and provided with an opening for engagement with the head of a skein-bolt or the like, projecting from the threaded portion or skein, with which said
5 nut is adapted to engage, and a spring secured to said nut having a free end adapted to engage with the heel of said plate, to hold said

plate in normal locking or adjusted open position, substantially as described.

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