

Feb. 20, 1923.

1,446,219.

J. STANLEY.
NUTTING DEVICE.
FILED DEC. 27, 1921.

Fig. 1.

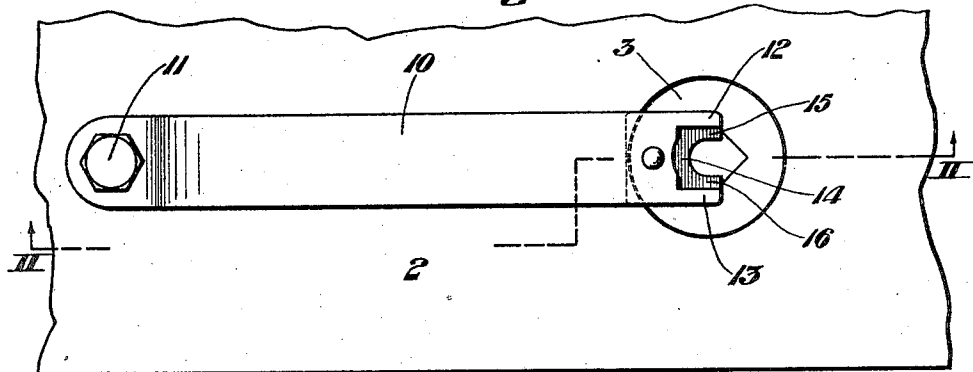


Fig. 2.

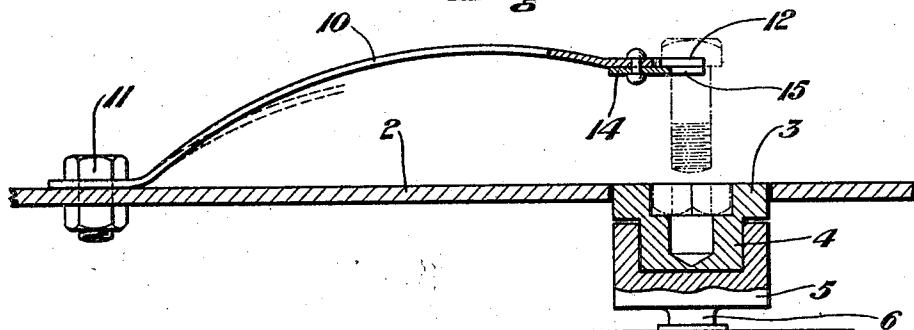


Fig. 3.

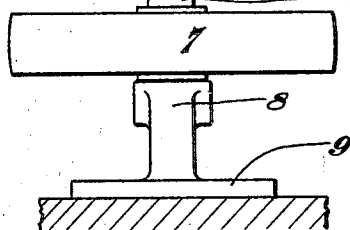
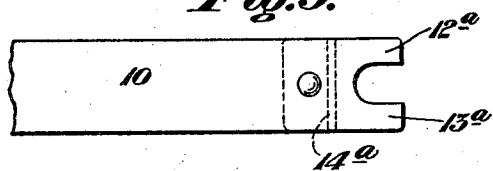
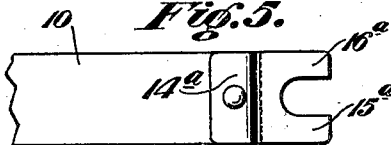


Fig. 4.



Fig. 5.



Witnesses:
Edwin Trub

Inventor:
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UNITED STATES PATENT OFFICE.

JOSEPH STANLEY, OF JOHNSTOWN, PENNSYLVANIA.

NUTTING DEVICE.

Application filed December 27, 1921. Serial No. 525,174.

To all whom it may concern:

Be it known that I, JOSEPH STANLEY, a citizen of the United States, and resident of Johnstown, in the county of Cambria, and State of Pennsylvania, have invented certain new and useful Improvements in Nutting Devices, of which the following is a specification.

This invention relates to nutting devices and more particularly to means for holding a bolt while the nut is being threaded thereon, and has for its object the provision of such a device that will permit rapid insertion and withdrawal of the bolts.

Another object is to provide a means for holding the bolt so that it may be readily moved toward the nut.

A further object is to provide a bolt holding means that will engage both the shank and head of the bolt so as to both retain the bolt in an upright or lengthwise vertical position and prevent its turning.

A still further object is to provide a nutting device having the novel structure and combination of elements described in the following specification and illustrated in the accompanying drawings.

In the drawings, Figure 1 is a top plan of a nutting table having my invention applied thereto.

Figure 2 is a sectional elevation on the line II-III of Figure 1, showing a bolt and nut in their respective holders.

Figure 3 is a top plan view of a modified form of bolt holder adapted to hold bolts having squared shanks.

Figure 4 is a side elevation of the holder of Figure 3.

Figure 5 is a bottom plan of the holder of Figures 3 and 4.

Referring particularly to the drawings, the numeral 2 designates the table of the device, which may be of any desired construction. A nut holding socket member 3 is rotatably mounted in the table 2 with its upper face flush with the top face of the table. The lower end of the socket member 3 is squared at 4 so as to fit within a squared socket head 5 on the upper end of an operating or power shaft 6, which carries a driving pulley 7 and has its lower end mounted in a bearing 8 on a support 9.

The support 9 may be in the form of a bracket secured to any suitable portion of the device or to the floor as desired.

A bolt holding member 10, which as

shown is in the form of an arched arm of resilient or spring metal is mounted on the table 2 at a point to the one side of the nut holding socket 3 and terminates at a point above said socket.

The member 10 has its lower end bent at an angle to the arched portion so as to parallel the top of the table 2 and is detachably secured to the table by a bolt 11. The free end of the member 10 is cut away to form jaw members 12 and 13 having a squared recess or throat therebetween and adapted to engage the squared head of a bolt.

A jib 14 is secured to the under side of the free end of the member 10 and is cut away to form jaw members 15 and 16 having a rounded throat therebetween, and adapted to engage the round shank of the bolt. The jib 14 is adapted to be secured tightly against the under face of the member 10 and to form a stop for the bottom face of the bolt head engaged by the jaws 12 and 13.

In Figures 3, 4, and 5, a slightly modified form of bolt holder is shown. This modified member 10 is provided for holding track bolts and the like having squared shanks, and the forward end thereof is cut away forming jaws 12^a and 13^a having a throat therebetween. The jaws 12^a and 13^a are adapted to engage the squared shanks of the bolts while the heads thereof are supported on the jaws. A jib 14^a is secured to the member 10 and has its forward end offset so as to be spaced an appreciable distance below the bottom face of the member 10. The jib 14^a is cut away to form jaw members 15^a and 16^a having a throat therebetween, and adapted to engage the shank of the bolt below the squared portion thereof.

In operation, a nut is inserted in the socket 3 and a bolt is mounted in recesses formed between the jaws of the bolt holding arm 10. The operator then moves the arm 10 downwardly until the bolt engages the rotating nut in the socket 3, and the nut will be threaded thereon. After the nut becomes engaged on the bolt the operator allows the arm 10 to raise due to its own resiliency and removes the bolt and the nut threaded thereon.

Various modifications will readily suggest themselves to those skilled in the art, and therefore, I do not wish to be limited to the exact construction shown and de-

scribed, since various modifications may be made without departing from the scope of my invention as defined in the appended claims.

5 I claim:—

1. A nutting device comprising a table, means for engaging and rotating a nut, and a resilient metallic arm secured to said table and projecting upwardly and terminating at a point above said nut rotating means, said arm being provided with jaws adapted to engage a bolt and prevent it turning and being adapted to be manually moved toward said nut rotating means by
10 the operator.
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2. A nutting device comprising a table,

a nut engaging and rotating means mounted in said table, means for rotating said nut engaging and rotating means, a resilient metallic arm secured to said table and curved upwardly over said table so as to terminate at a point above said nut rotating means, said arm being provided with jaw portions at its free end adapted to engage a bolt so as to prevent said bolt turning and being adapted to be manually moved downward so as to engage said bolt with the nut in said nut rotating means. 25

In testimony whereof, I have hereunto set my hand.

JOSEPH STANLEY.