

No. 784,200.

PATENTED MAR. 7, 1905.

J. C. ZUMWALT.  
WRENCH ATTACHMENT.  
APPLICATION FILED JULY 14, 1904.

FIG. 1.

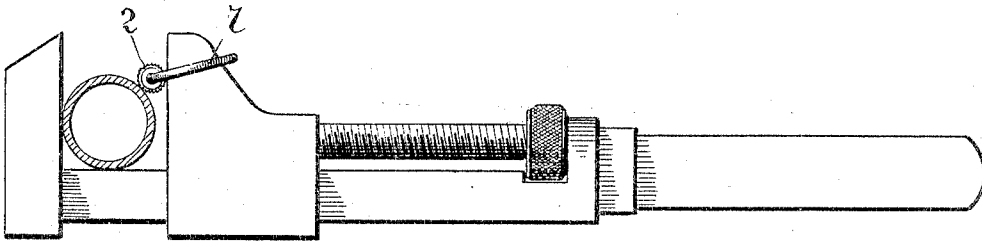


FIG. 2.

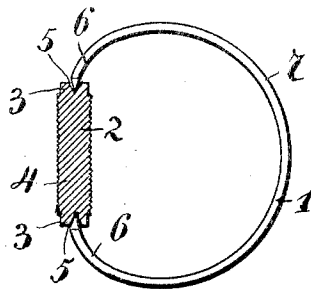
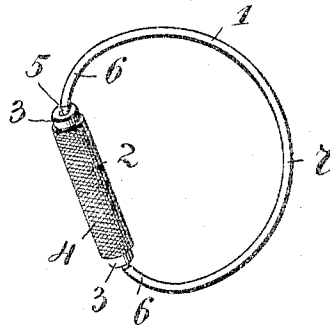


FIG. 3.

Witnesses  
C. Munter  
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## UNITED STATES PATENT OFFICE.

JOSEPH C. ZUMWALT, OF CLAY CENTER, NEBRASKA, ASSIGNOR OF ONE-HALF TO GILBERT E. STONE, OF HARVARD, NEBRASKA, AND BERTHUM GREGGS, OF CLAY CENTER, NEBRASKA.

## WRENCH ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 784,200, dated March 7, 1905.

Application filed July 14, 1904. Serial No. 216,564.

*To all whom it may concern:*

Be it known that I, JOSEPH C. ZUMWALT, a citizen of the United States, residing at Clay Center, in the county of Clay and State of Nebraska, have invented certain new and useful Improvements in Wrench Attachments; and I do 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.

This invention relates to attachments for wrenches.

The object of the invention is to provide an attachment for nut-wrenches whereby the same may be adapted for use as a pipe-wrench.

A further object is to provide an attachment of this character which will be simple in construction, efficient in operation, easily and quickly applied and removed from a wrench, inexpensive, and well adapted to the purpose for which it is designed.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of a wrench having the attachment applied thereto and showing the manner of using the same. Fig. 2 is a detail perspective view of the attachment, and Fig. 3 is a sectional view of the same.

Referring more particularly to the drawings, 1 denotes the attachment, which consists of a solid cylindrical roller 2, preferably formed of hardened steel. The ends 3 of said roller are reduced or of slightly less diameter than the main or central portion 4 of the same, and said central portion is "checkered" or serrated to form a gripping-surface. In each end of the roller 2 are formed aligned conical-shaped recesses 5, which form bearing-sockets adapted to receive the conical-shaped in-

wardly-bent ends 6 of a spring-wire bearing and holding ring 7.

In applying the attachment to a wrench the ring 7 is slipped onto the end of the inner jaw of the wrench, with the roller 2 engaging the working face of said jaw. The jaws of the wrench are now adjusted to take the pipe it is desired to turn and so applied to the same that the roller will engage the side of the pipe so that when the wrench is pushed or forced in the proper direction said roller will be wedged between the pipe and the working face of the wrench-jaw, thereby tightly gripping the pipe and preventing the wrench from slipping or turning on the same.

When the attachment is not in use, the same may be carried in the pocket and may, if desired, be utilized as a key-ring, the ends of the same being sprung out of the bearing-sockets on the roller to permit the placing of keys thereon, after which the ring is again connected with the roller.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. An attachment for nut-wrenches consisting of a roller and a spring-metal ring pivotally connected to the same whereby said roller may be removably applied to the jaw of a nut-wrench to adapt the same for use as a pipe-wrench, substantially as described.

2. An attachment for nut-wrenches consisting of a cylindrical roller, having a "checkered" or serrated surface, bearing-sockets

formed in the ends of said roller, a spring-metal ring having inwardly-bent ends adapted to engage said bearing-sockets and pivotally connect said ring with said roller, thereby  
5 forming means whereby said attachment may be removably connected to the inner jaw of said nut-wrench, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 10

JOSEPH C. ZUMWALT.

Witnesses:

JOHN SCHWINDT,  
L. F. FRYAR.