

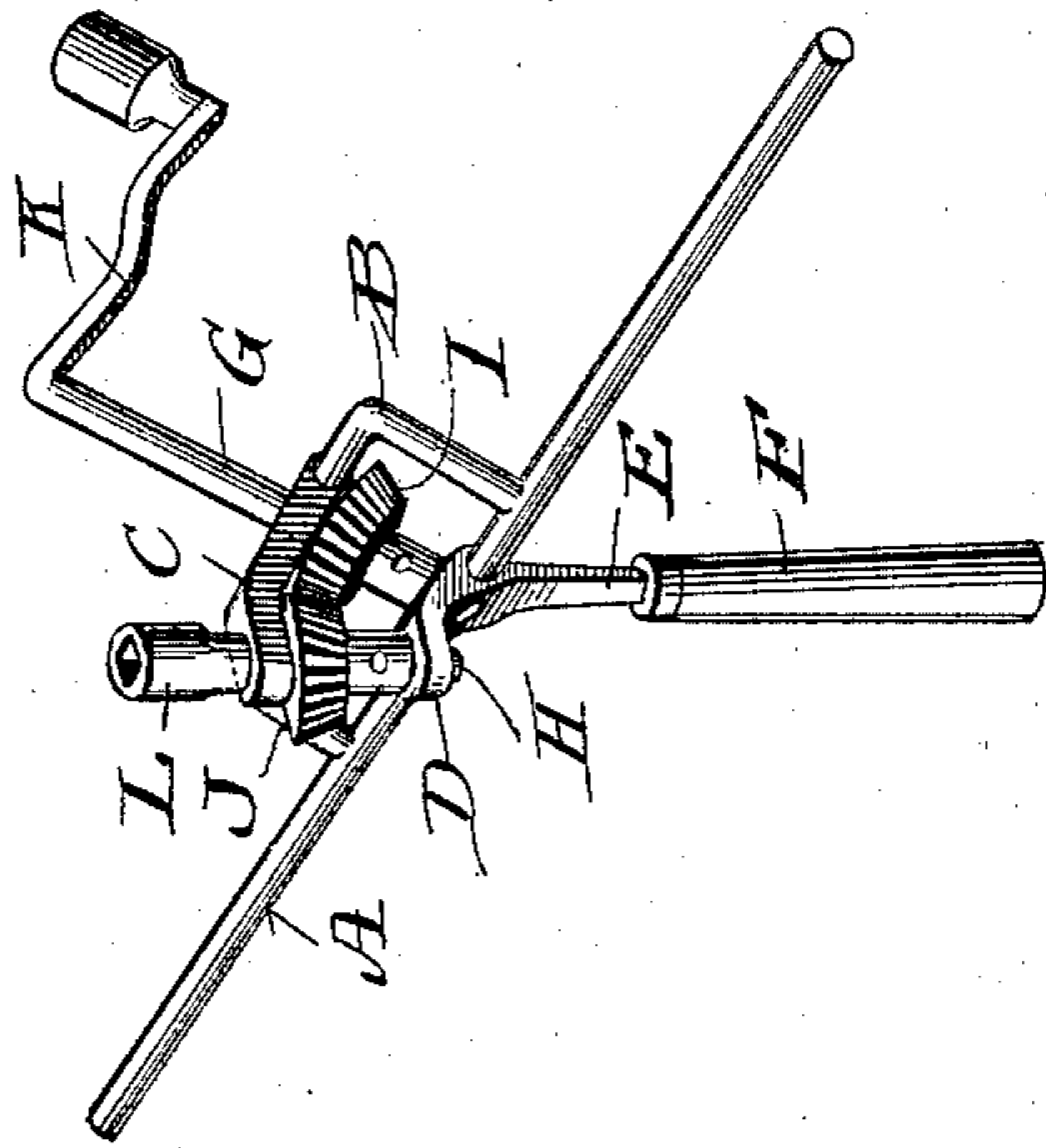
No. 704,582.

Patented July 15, 1902.

G. SCHAUB.
WRENCH.

(Application filed Dec, 12, 1901.)

(No Model.)



Witnesses
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UNITED - STATES - PATENT - OFFICE.

GEORGE SCHAUB, OF LAKE BEULAH, WISCONSIN.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 704,582, dated July 15, 1902.

Application filed December 12, 1901. Serial No. 85,542. (No model.)

To all whom it may concern:

Be it known that I, GEORGE SCHAUB, a citizen of the United States, and a resident of Lake Beulah, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in Wrenches; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide simple economical wrenches especially designed for the carriage-wagon trade to facilitate screwing nuts on and off the bolts that extend through the tires and felloes of wheels, said invention consisting in certain peculiarities of construction and combination of parts hereinafter particularly set forth with reference to the accompanying drawing and subsequently claimed.

The drawing represents a perspective view of a wrench made in accordance with my invention.

Referring by letter to the drawing, A indicates a rod, B a yoke rigid on the rod intermediate of its ends, and C a central angularly-bent lateral arm of the yoke. Extending from opposite sides of the rod, central of same, is an angularly-bent arm D and a tang E, a handle F being shown on the tang.

The arms C D of yoke and rod are apertured to provide bearings for spindles G H, and long hub bevel gear-wheels I J are made fast on the spindles between said yoke and rod arms to mesh one with the other. Spindle G is provided with a preferably integral crank K at its outer end, and spindle H out-

ward from the yoke-arm is made to form a socket L for the engagement of a tire-bolt nut.

In practice socket L is engaged with a nut, the tool being held to have the rod portion A thereof bear against spokes of a wheel, crank K being then turned in the proper direction to rotate said socket, and thereby screw the nut on or off a tire-bolt, as may be desirable.

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

1. A wrench consisting of a rod having a yoke intermediate of its ends provided with a lateral arm, an arm and handle extending from opposite sides of the rod, crank and socket spindles having their bearings in the yoke and rod arms, and meshed gear-wheels fast on the spindles.

2. A wrench consisting of a rod having a yoke intermediate of its ends, annularly-bent arms extending laterally from the rod and yoke, a tang extending from that side of said rod farthest from its arm, a handle on the tang, crank and socket spindles having their bearings in the yoke and rod arms, and meshed bevel gear-wheels fast on the spindles.

In testimony that I claim the foregoing I have hereunto set my hand, at Mukwonago, in the county of Waukesha and State of Wisconsin, in the presence of two witnesses.

GEO. SCHAUB.

Witnesses:

GEORGE BLOTT,
LAUREL W. SWAN.