

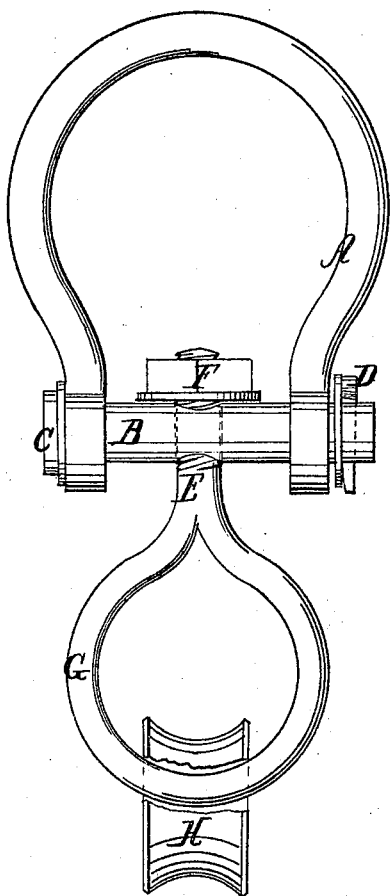
*T. B. Roche,*

*Tackle.*

*N<sup>o</sup> 55,162.*

*Patented May 29, 1866.*

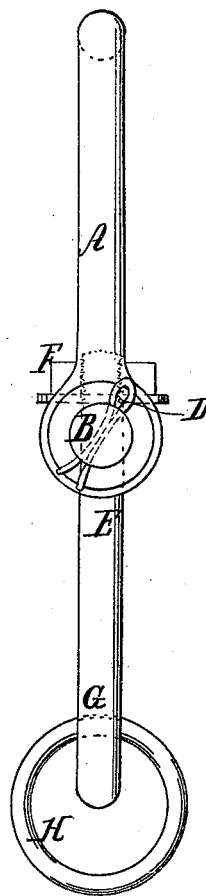
*Fig. 1.*



*Witness;*

*J. M. P. Harrington*

*Fig. 2.*



*Inventor;*

*Thos. B. Roche*

*Per H. M. Moore*

*Attorneys*

# UNITED STATES PATENT OFFICE.

THOMAS B. ROCHE, OF FOLSOM CITY, CALIFORNIA.

## IMPROVEMENT IN SWIVEL-SHACKLES.

Specification forming part of Letters Patent No. **55,162**, dated May 29, 1866.

### *To all whom it may concern:*

Be it known that I, THOMAS B. ROCHE, of Folsom City, county of Sacramento, State of California, have invented a new and Improved Swivel-Shackle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

The present invention relates to a swivel-shackle especially adapted for the hoisting of heavy weights, such as heavy blocks of granite and other stones in quarries, it (the said shackle) possessing many superior advantages over the ordinary swivel-blocks, such as, for instance, it is much cheaper, works much better, economizes expense, and saves much annoyance, and prevents all twisting of the rope, as will be obvious from the following detail description thereof, reference being had to the accompanying plate of drawings, in which—

Figure 1 is a side view of the swivel-shackle; Fig. 2, an edge view of the same.

A in the drawings represents the shackle, made of round iron of one-half ( $\frac{1}{2}$ ) an inch (more or less) in diameter, bent around into a circular shape, or partially so, with a bolt, B, having a head, C, upon one end and a pin, D, in the other, passed through the openings in each end of the same. Through the center of the bolt B a pin, E, is passed and fastened by

a screw-nut, F, upon its inner end, which pin is bent into the form of an eye, G, on which is a thimble, H, to prevent the cutting of the rope.

The circular portion A of the shackle forms a becket in the strap of the block, and to the eye of the swivel the standing part of the rope is made fast, so that any twist of the rope is always free to become untwisted.

With a swivel-shackle as above described a new rope can be put in two or more double blocks, and by putting this in one of them all the twist of the rope will be taken out without removing the rope, the importance of which, especially in damp weather or when a rope is first used, is obvious; and it furthermore obviates all the annoyance heretofore experienced to prevent the blocks from twisting, especially when at any considerable distance apart.

What I claim as new, and desire to secure by Letters Patent, is—

The swivel-shackle constructed substantially as herein described.

The above specification of my invention signed by me this 11th day of January, 1866.

THOMAS B. ROCHE.

Witnesses:

W. C. CROSETT,  
HARTFORD ANDERSON.