

R. L. TAYLOR.

Stretching-Tools for Wire and Ropes.

No. 138,298.

Patented April 29, 1873.

Fig 1.

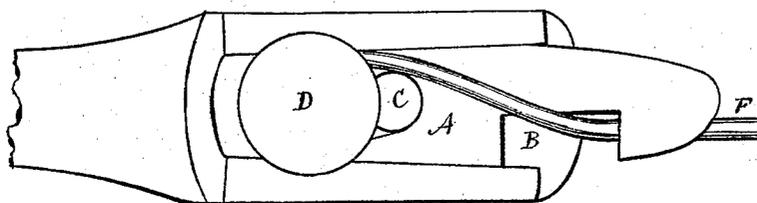


Fig 2.

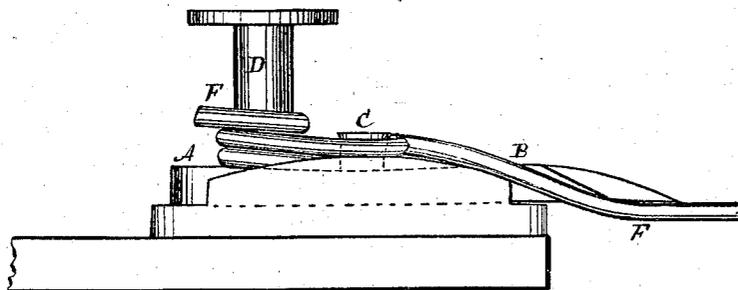
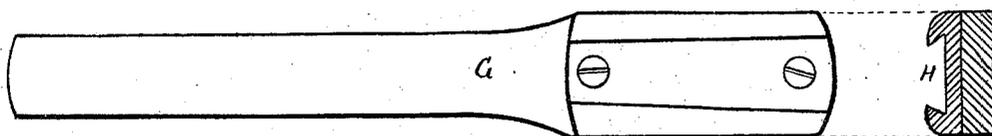


Fig 3.



WITNESSES.

*J. S. Lyon*  
*W. F. Halleck*

*Reuben S. Taylor*  
*By his Atty J. Dennis Jr*

# UNITED STATES PATENT OFFICE.

REUBEN LINCOLN TAYLOR, OF GOLDEN PRAIRIE, IOWA.

## IMPROVEMENT IN STRETCHING-TOOLS FOR WIRE AND ROPES.

Specification forming part of Letters Patent No. **138,298**, dated April 29, 1873; application filed January 20, 1873.

*To all whom it may concern:*

Be it known that I, REUBEN LINCOLN TAYLOR, of Golden Prairie, Delaware county, in the State of Iowa, have invented a new, useful, and Improved Wire or Cord Tightener; and I hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

The nature or essence of my invention consists in the device described in the following specification and represented in the drawing, in which—

Figure 1 is a plan and Fig. 2 an elevation, and Fig. 3 plan of wrench.

In the accompanying drawing, A is a plate of cast-iron, made in the form shown in the drawing, with a notch or score, B, in one edge, and provided with two studs, C and D, the latter being larger and longer than the former, and provided with a broad head to prevent the wire or rope from slipping off over the end. The stud C is scored on the side furthest from the stud D to hold the wire or rope on and prevent it from slipping off as the plate A is turned to wind up the wire or rope to be tightened. The edges of the plate A are made a little inclined under the stud D to make the plate widest at the bottom, and the wrench, Fig. 3, is made to fit the plate, so that, by putting the wrench on the plate, and putting

the plate across the wire to be tightened, with one stud each side of the wire F, and then turn the plate A and wind the wire F once around the stud C, and as many times around the stud D as may be necessary to tighten the wire, when the notch B is brought across the wire to hold the plate from turning back, when the wrench may be removed and the tightener left on the wire. Whenever it is desirable to slacken the wire, the wire may be thrown out of the notch and the plate turned back to loosen the wire. As the tendency of the wire is very great to draw the stud D around parallel with the wire when it is tightened, hence it would be difficult to keep the plate A in the score H of the wrench G if the sides of the plate were not made inclined and the score H dovetailing, so as to hold the plate firmly in the wrench while it is turned to tighten the wire.

I claim—

The plate A provided with studs C and D, in combination with the wrench G provided with a dovetail-score, H, fitted to the inclined sides of the plate A, substantially as described.

REUBEN LINCOLN TAYLOR.

Witnesses:

O. E. TAYLOR,  
M. P. TAYLOR.