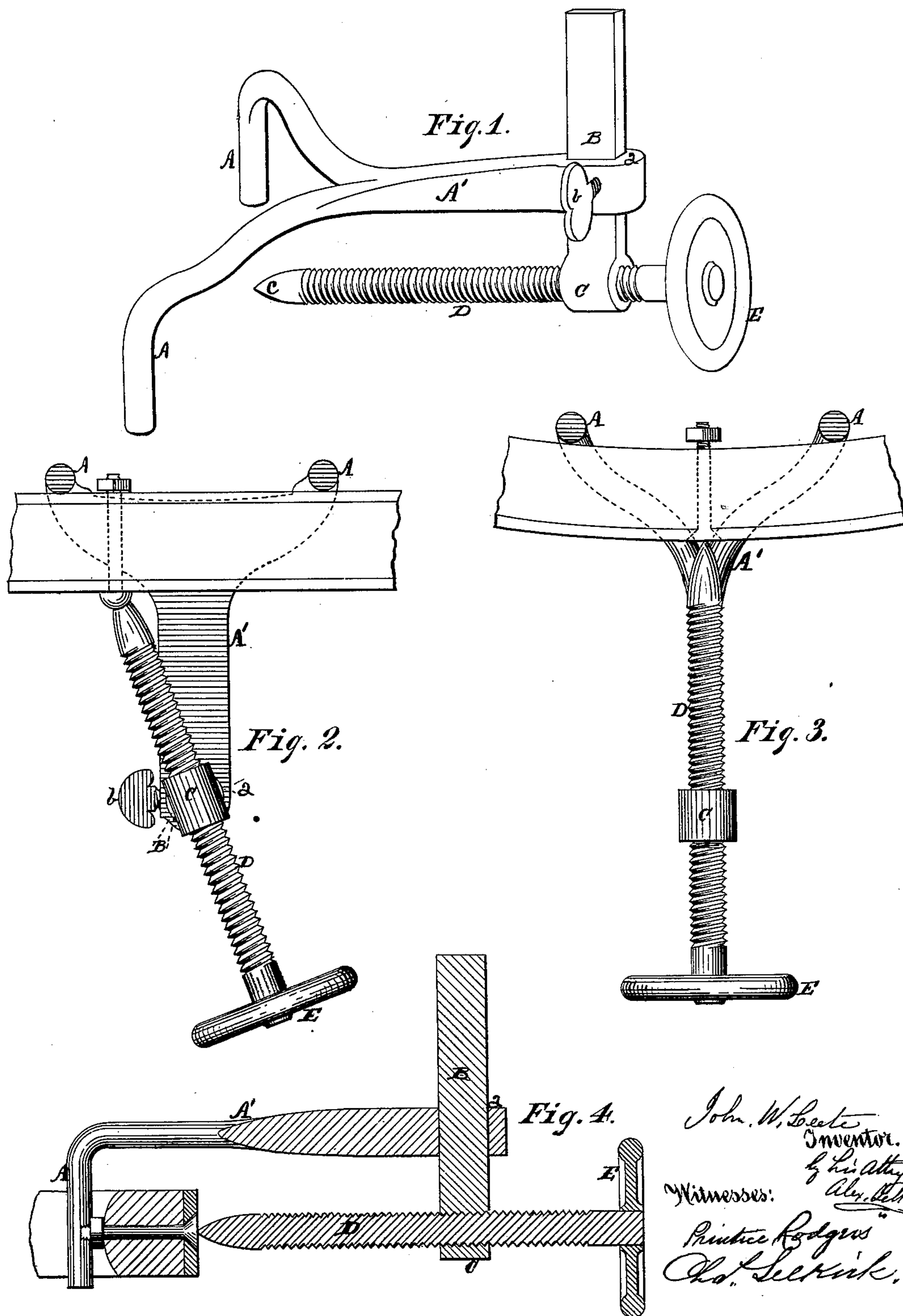


J. W. LEETE.
Clamp for Holding Bolts from Turning.
No. 206,954. Patented Aug. 13, 1878.



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IMPROVEMENT IN CLAMPS FOR HOLDING BOLTS FROM TURNING.

Specification forming part of Letters Patent No. 206,954, dated August 13, 1878; application filed June 4, 1878.

To all whom it may concern:

Be it known that I, JOHN W. LEETE, of South Meriden, in the State of Connecticut, have invented certain new and useful Improvements in Devices for Holding Bolts from Turning when their nuts are being loosened or tightened, which improvements are fully described in the specification and accompanying drawings, in which—

Figure 1 represents a perspective view of the device. Fig. 2 is a plan view of the same, and illustrating the manner of its application. Fig. 3 is a plan view, showing a modification; and Fig. 4 is a sectional elevation of the device, illustrating its operation with a bolt.

The object of my invention is to furnish a device by which bolts may be prevented from turning with the nut when it is being loosened or tightened on the bolt.

In the drawings, A A and A' represent a claw having in the upper end of the portion A' the socket *a*. B is an adjustable bar working in said socket, and held in the same at any point by set-screw *b* working in one of the sides of said socket and against the said bar. To the lower end of said adjustable bar is made the screw-threaded sleeve or eye C. Working in said screw-threaded sleeve is the screw-shaft D, provided with a wheel-handle, E, or its equivalent, a cross or lever handle, as may be selected. The pressing end *c* of the screw-shaft is made pointed or tapering toward a point, as shown in Fig. 3, when used for operating with countersink head-bolts, while for operating with button-head bolts the pressing end may be made flattened or concave, as shown in Fig. 2.

In operating with my improved device with

tire-bolts, the operator places the claw A A A' in position, as shown in Figs. 2, 3, and 4, with the hook portions engaging with the inner side of the felly of the wheel. The screw-shaft is then adjusted so as to bring the bearing end *c* of said screw-shaft directly opposite the head of the bolt. This is done by sliding the bar B in or out, when the screw-shaft is to be revolved and tightened endwise against the head of said bolt. When the bolt to be held is in a situation in which the head will not be central between the hook of the claw, the bar B is to be turned in its socket *a* until the pressing-point of the screw-shaft is brought opposite to the same, as in Fig. 2, and then set by set-screw *b*, and the pressing-bar is then to be tightened.

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

1. In a device for holding bolts from turning, the combination, with the claw A A A' and screw-threaded shaft D, working in socket C, of the adjustable bar B, adapted to be raised or lowered to carry the said screw-shaft higher to or farther from the portion A' of said claw, substantially as and for the purpose set forth.

2. In a device for holding bolts from turning, the combination, with the claw A A A' and screw-shaft D, working in socket C, of the bar B, adapted to be turned in either direction to carry the said screw-shaft at any angle with said claw, substantially as and for the purpose set forth.

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