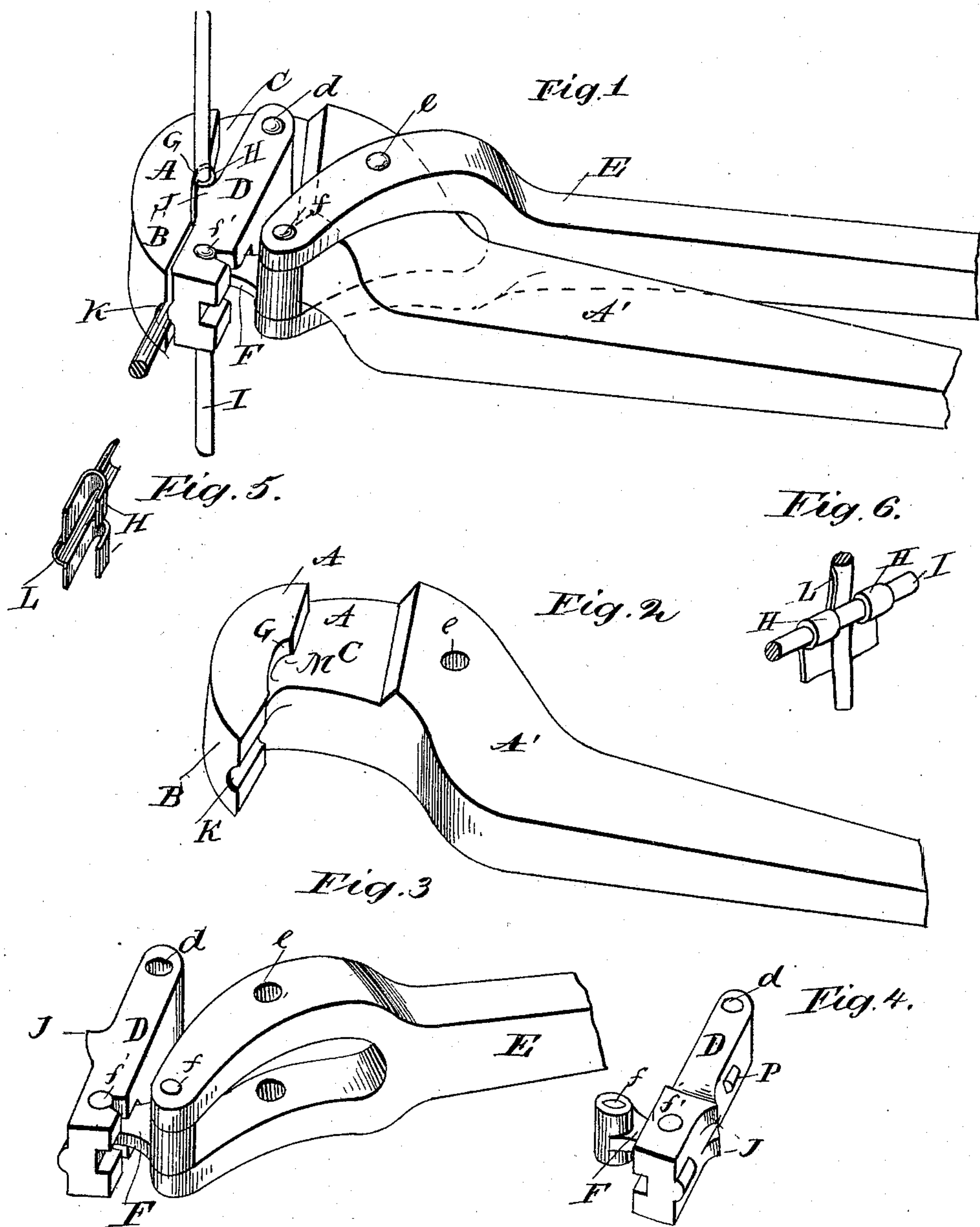


(No Model.)

D. W. AYLWORTH & N. B. LESLIE,  
CLAMPING DEVICE.

No. 540,204.

Patented May 28, 1895.



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# UNITED STATES PATENT OFFICE.

DANIEL W. AYLWORTH AND NOBLE B. LESLIE, OF CLEVELAND, OHIO.

## CLAMPING DEVICE.

SPECIFICATION forming part of Letters Patent No. 540,204, dated May 28, 1895.

Application filed June 20, 1894. Renewed May 6, 1895. Serial No. 548,346. (No model.)

*To all whom it may concern:*

Be it known that we, DANIEL W. AYLWORTH and NOBLE B. LESLIE, citizens of the United States, and residents of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Clamping Devices, of which we hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in clamping dies for securing the joints of wire fences and is adapted for use with the form of metallic clamp described in our Patent No. 516,291, dated March 13, 1894, in which a grooved plate provided with partially detached fastening strips is secured to the wire crossings.

Our invention consists in the various shapes of dies conforming to the general form of the fastener and wire crossing, with means for bending the semi-detached strips about the horizontal wire as hereinafter described, shown in the accompanying drawings, described herein, and more specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of the device. Fig. 2 is a detail of the fixed arm of the die. Fig. 3 is a detail view of the movable die and arm. Fig. 4 is a detail of the movable die. Fig. 5 is a detail of the metal clamp before attachment to the wires, and Fig. 6 shows the complete fastening.

In the drawings A is the clamping head secured to a handle bar A', provided with the projecting die portion B and recessed at C to provide room for the movable die bar D, pivoted thereto at d.

Means for bringing the die surfaces together forcibly is employed, and as shown consists in the handle bar E, pivoted at e, and connecting link F pivoted at f and f', to the die bar and handle bar, respectively.

The form of the engaging surface of the dies is adapted to secure the clamp shown in

Figs. 5 and 6 to the cross wires of a wire fence. To accomplish this purpose the face of the die on the main head is recessed at G to receive the loops H of the clamp and the horizontal wire I. A curved projection J on the movable die bar is adapted to force over the ends of the loops about the wire and close the openings. A groove K at right angles to this recess G receives the vertical wire below the clamp, forced therein by the projection L on the movable die, while a recess M receives the vertical wire above the horizontal wire and the extended central portion of the clamp.

P is a stop upon the movable die. The force of the vertical wire pressing against the horizontal wire at the recess G serves to bend the clamp and vertical wire at that point which serves to securely fasten the clamp to the vertical wire so as to prevent slipping.

The link connection between the lever and die bar can be exchanged for any suitable cam or gear movement accomplishing the same purpose.

Fig. 1 shows the crossing wires and clamp turned at right angles to their natural position for the sake of clearness. In Fig. 6 the parts are shown in their natural position.

The device shown is exactly applicable to the purpose for which it is destined.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a clamping device to attach a metal clamp provided with partially detached fastening loops to a wire crossing, the combination of fixed and movable clamping dies provided with recesses for the crossing wires, clamp grooves and loops, with projections on the movable die adapted to engage the free extremities of the loops and press them into close engagement with the horizontal wire, substantially as described.

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Witnesses:

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