(No Model.)

W. S. PATES.

CLAW BAR.

No. 377,957. Patented Feb. 14, 1888.

Fig. VII.

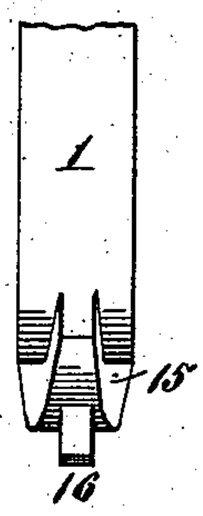

Fig. I.

Fig. II.

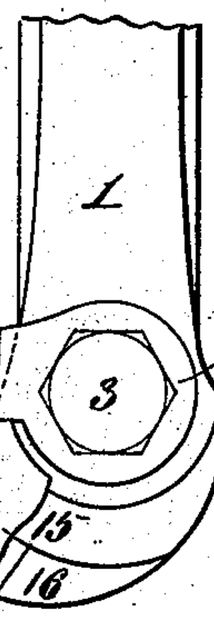

Fig. III.

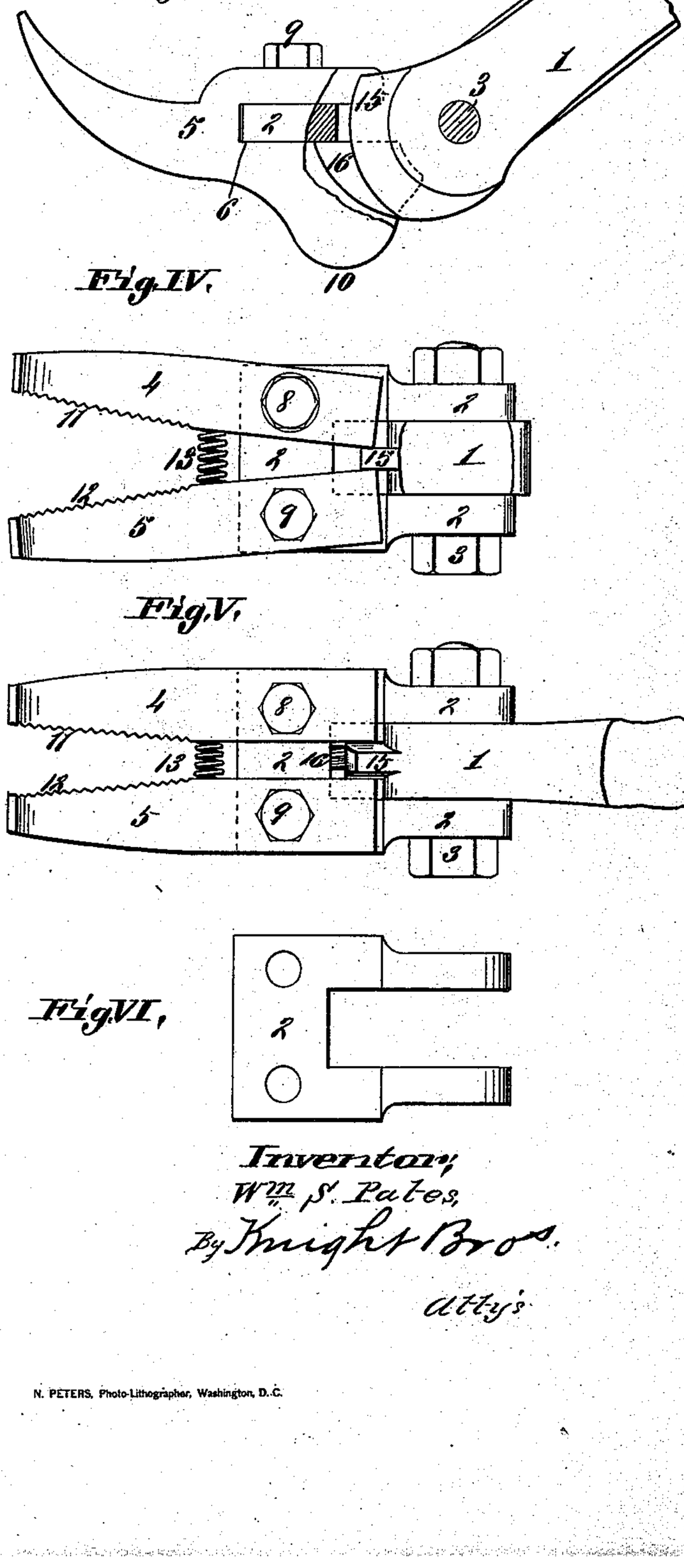

Fig. IV.

Fig. V.

Fig. VI.

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UNITED STATES PATENT OFFICE.

WILLIAM S. PATES, OF KINGMAN, KANSAS, ASSIGNOR OF ONE-THIRD TO ARISTA W. BERKEY, OF KANSAS CITY, MISSOURI.

CLAW-BAR.

SPECIFICATION forming part of Letters Patent No. 377,957, dated February 14, 1888.

Application filed October 31, 1887. Serial No. 253,905. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. PATES, of Kingman, in the county of Kingman and State of Kansas, have invented a certain new and useful Improvement in Claw-Bars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a perspective view of my improved claw-bar. Fig. II is an enlarged side view showing the lever, part broken away, and the position in which it would be before drawing a spike or other article. Fig. III is a similar view to Fig. II, but showing the position in which the lever would be as a spike or other article was being drawn, a portion of one of the claws being broken away to more clearly show the parts. Fig. IV is an enlarged top view showing the claws open. Fig. V is an enlarged top view showing the position of the claws when closed on a spike or other article. Fig. VI is an enlarged top view of the bracket connecting the lever and claws together. Fig. VII is an enlarged detail view of the lower end of the lever.

My improvement relates to an improved device for drawing spikes or other articles; and my invention consists in features of novelty, hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents the lever by which the jaws are operated and the spike or article drawn.

2 represents a bracket which is secured to the lever by means of a bolt, 3.

4 5 represent elongated jaws, in which are slots 6, by which, in connection with bolts 8 9, the jaws are secured to the bracket 2, the connection being loose enough to permit the points of the jaws to work laterally.

10 are heel-shaped projections on the lower part of the jaws.

11 12 are corrugations on a portion of the inner surface of the jaws 4 5.

13 represents a spiral spring placed between the jaws, which, after the spike or other article has been drawn, spreads the jaws apart ready for the next operation.

15 represents a cam situated near the lower end of the lever 1. Beneath the cam 15 is a projection, 16.

The operation of my improved claw-bar is as follows: As shown in Figs. II and IV, the parts are in position for taking hold of a spike, bolt, nail, or other article. Then as the lever is forced back the cam 15 enters between the rear ends of the jaws 4 5. As will readily be seen, the farther the lever is forced back the closer the front ends of the jaws will become. By varying the size of the cam the jaws may be closed to a greater or less degree to suit the size of the article desired to be drawn. By the time the jaws have been closed sufficiently to seize the spike or other article the projection 16 will come in contact with the under side of the bracket 2. Then, by forcing the lever back still farther, the spike or other article will be forced out. The corrugations on the jaws will prevent them from slipping on the article to be drawn.

I claim as my invention—

1. In a claw-bar, the combination of a lever having a cam and a projection beneath the cam, bracket pivoted to the lever, and jaws attached to the bracket, between which jaws the cam is adapted to engage, substantially as and for the purpose set forth.

2. In a claw-bar, the combination of a lever provided with a cam, a projection beneath the cam, bracket secured to the lever, corrugated jaws secured to the bracket, between which the cam is adapted to engage, and a spring interposed between the jaws, substantially as and for the purpose set forth.

3. The combination, in a claw-bar, of the lever 1, bracket 2, attached thereto, corrugated jaws 4 5, pivoted to the bracket, having heel-shaped projections 10, spring 13, interposed between the jaws, and cam 15 and projection 16 on the lever, said cam being adapted to engage between said jaws, substantially as and for the purpose set forth.

WILLIAM S. PATES.

In presence of—
WM. R. PINCKARD,
AREND E. RODENBEEK.