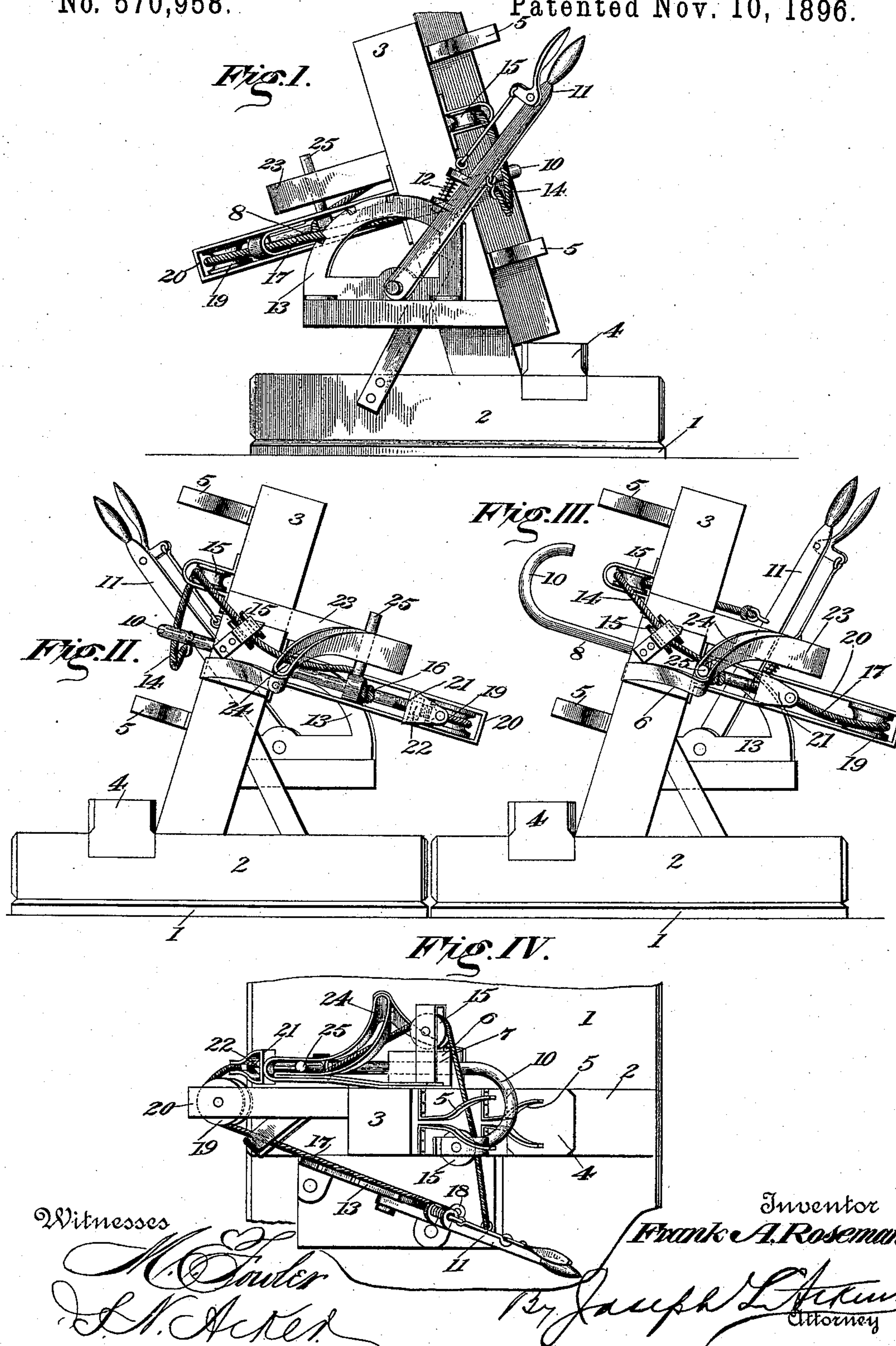


(No Model.)

F. A. ROSEMAN.
FENCE PICKET VISE.

No. 570,958.

Patented Nov. 10, 1896.



UNITED STATES PATENT OFFICE.

FRANK A. ROSEMAN, OF LANHAM, NEBRASKA.

FENCE-PICKET VISE.

SPECIFICATION forming part of Letters Patent No. 570,958, dated November 10, 1896.

Application filed January 14, 1896. Serial No. 575,468. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. ROSEMAN, of Lanham, county of Gage, State of Nebraska, have invented a certain new and useful Fence-Picket Vise, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce a vise for holding a fence-picket during the operation of sharpening or trimming it. It may also be employed generally for pointing or sharpening wooden stakes.

In the accompanying drawings, Figure I is a side elevation of my device. Fig. II is a view of the opposite side thereof, showing the vise open. Fig. III is a similar view, showing the vise closed. Fig. IV is a top plan view of the same.

Referring to the figures on the drawings, 1 indicates a base of any suitable and ordinary construction, which may be provided with a comparatively heavy cross-piece 2 and an upright 3, properly inclined with respect to the base. The base reinforced by the cross-piece and the upright constitutes the frame of my machine.

Upon the base in juxtaposition to the upright and preferably supported upon a cross-piece 2 is a chopping-block 4, designed to support the end of the picket to be pointed and to receive the blows of the cutting-tool in the pointing operation.

5 indicates clamping-arms, preferably made of spring metal, that are secured to the front of the upright and are designed to support the upper and lower portions of the picket or stake in position upon the chopping-block.

6 indicates a bearing-block, and 7 a bearing-aperture therein. The bearing-aperture receives a vise-arm 8, which is partially revoluble and is longitudinally movable within the aperture. This arm is provided at its forward end with a hook 10, which is designed to span the front of the upright and to clamp and hold a picket when set in position between the arms 5.

My invention also embodies mechanism for operating the vise-arm, such mechanism being designed to project the arm forwardly away from the picket and to turn the hooked part around, so as to permit the ready re-

moval of the picket from the arms 5. The mechanism which I prefer to employ for the purpose consists of a lever 11, provided with a spring-actuated latch-lever 12, that is designed to engage with the teeth of a segmental rack 13 after the ordinary manner of this class of devices. To the lever 12 I fasten at one end a flexible band 14, which, passing around guide-pulleys 15, is fastened, as indicated at 16, to the vise-arm, and is, by the movement of the lever 12, adapted to move the vise-arm toward the disengaging position.

17 indicates another flexible band also secured at one end to the lever 12, as indicated at 18, and, passing around the guide-pulley 19, carried in the pulley-frame 20, that is secured to the rear of the upright, is fastened at its opposite end to the rear of the vise-arm, being secured, for example, to a stirrup 21, that is adjustably secured as by a nut 22, working upon terminal screw-threads on the vise-arm. By that means the proper tension of the flexible bands may be secured.

The foregoing mechanism insures through the operation of the lever 12 the forward and backward longitudinal movement of the vise-arm. In order also that the necessary rotation of the vise-arm may be communicated at the same time, I provide a guide-frame 23, that is secured to the upright, and which is provided with a slightly-twisted or partially-spiral slot 24, within which a guide-pin 25, projecting from the side of the vise-arm, works. When, therefore, through the operation of the lever 12 the vise-arm is moved in one direction or the other, the pin 25, working in the slot 24, at the same time turns the hooked end into or out of the engaging position.

What I claim is—

1. In a fence-picket vise, the combination with a frame, of a longitudinally-movable, partially-revoluble, vise-arm and actuating mechanism adapted to operate the vise-arm in a longitudinal direction, and to impart to it a simultaneous, partial rotation, substantially as set forth.

2. In a fence-picket vise, the combination with a frame, and a longitudinally-movable, partially-revoluble, vise-arm, of a lever operatively connected with the vise-arm to actuate it longitudinally in both directions, a

guide-frame and spiral slot therein, and a pin secured to the vise-arm, and working in the slot, substantially as set forth.

3. In a fence-picket vise, the combination
5 with a frame, of a longitudinally-movable, partially-revoluble vise-arm, a lever, flexible bands connecting the lever with the vise-arm, to operate it in both directions, guide mechanism for the flexible bands, and means for

adjusting the tension of the bands, substantially as set forth.

In testimony of all which I have hereunto subscribed my name.

FRANK A. ROSEMAN.

Witnesses:

WM. WIETERS,

WM. MAHLMANN.