

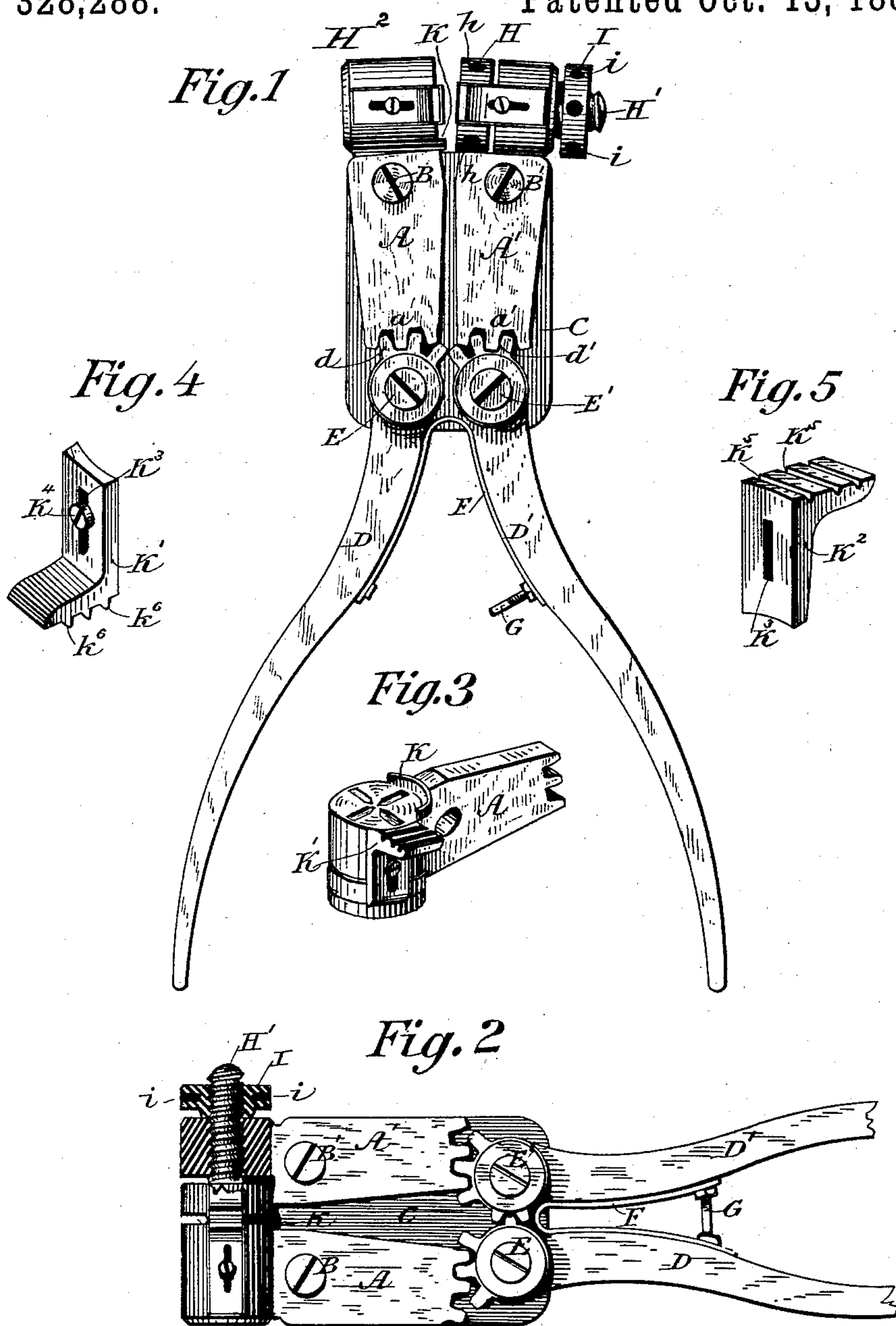
(No Model.)

W. M. CHASE.

SEAL PRESS.

No. 328,288.

Patented Oct. 13, 1885.



Witnesses:
Chas. G. Page.
Louise Volting

Inventor:-
William M. Chase
by his atty.
W. H. Row

UNITED STATES PATENT OFFICE.

WILLIAM M. CHASE, OF NEW HAVEN, CONNECTICUT.

SEAL-PRESS.

SPECIFICATION forming part of Letters Patent No. 328,288, dated October 13, 1885.

Application filed April 10, 1885. Serial No. 161,789. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. CHASE, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Seal-Presses, of which the following is a full and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to hand-presses employed to fasten lead seals upon their wire.

My invention consists in the construction hereinafter described, and particularly recited in the claims.

The object of my invention is to provide the jaws with means for crimping the wire, and simultaneously flattening and stamping the lead after the wire has been passed through the lead button to prevent its withdrawal therefrom.

In the accompanying drawings, Figure 1 is a side view of the tool with one of the side plates removed, and Fig. 2 a similar view of the same, showing the jaw closed, and with one of said jaws in section to show the means for adjusting the die; Fig. 3, a perspective view of one of the jaws, showing the flange for centering the lead button beneath the die-plate; and Figs. 4 and 5 perspective views, in detail, of the plates for crimping the wire.

The jaws A A' are separately pivoted at B B', respectively, to side plates, C, and extend between the plates a suitable distance beyond the pivots, and are provided at their ends with segmental cog-gear *a a'*, which engage with similar gear-teeth, *d d'*, upon the ends of hand-levers D D'.

A spring-plate, F, is arranged between the handles to force them apart, and by means of the intermeshing toothed gear *a a'* and *d d'* the jaws are opened to receive the blank. The spring-plate is secured to one of the handles by an adjustable pin, G, which also serves as a stop to limit the movement of the levers and adapt said movement to the thickness of the seal when compressed.

The die H is adjustably secured to the upper jaw, A', to adapt it to the thickness of

the seal, by means of a screw-shank, H', which projects from the upper face of the die and snugly fits and passes through a threaded hole in the jaw, and may be clamped and locked in any required or adjusted position by a lock-nut, I, fitted upon the upper projecting end of the screw-shank.

Pin-lever holes *h* in the die, and similar holes, *i*, in the lock-nut, provide means for turning said parts; but milled or flattened heads may be employed, if preferred.

The lower jaw, A, is provided with a die, H', provided with a segmental flange, K, which projects from its face and upon the inner side of its periphery and conforms to the circle of the seal.

The flange K serves the double purpose of accurately centering the seal beneath the die and as a guard to hold it in position and prevent it from slipping off from or between the jaws.

Detachable plates K' K² are formed with slots K³, and are adjustably secured or otherwise fastened to each die-plate or jaw by screws K⁴, which pass through the said slots, the adjustment being effected to conform to the adjustment of the dies and to the thickness of the lead seal or blank.

The plates K' K² are formed with a series of grooves, K⁵, and corresponding projections, K⁶, which fit into the grooves K⁵, and serve to crimp the overlying ends of the wire simultaneously with the flattening and stamping of the lead beneath the dies.

Smooth wire may be employed instead of the knotted, indented, or woven wire ordinarily employed, as the crimps will serve effectually to prevent the withdrawal of the wire from the seal.

I claim as my invention and desire to secure by Letters Patent—

1. In a seal-press, the combination of a pair of vibrating jaws provided with handles to impart vibratory movement to said jaws, the one toward the other, and the said jaws carrying dies in their adjacent faces, the one die constructed with a segment-shaped flange, K, the die of the other jaw concentric with said flange, substantially as and for the purpose described.

2. The combination, with the jaws of a seal-
press carrying dies for compressing the seal,
of the side plates secured thereto and adapted
to crimp the wire adjacent to the periphery
5 of the seal, substantially as and for the pur-
pose described.

In testimony whereof I have hereunto set

my hand this 18th day of November, A. D.
1884.

WILLIAM M. CHASE.

Witnesses:

ADRIAN C. HEITMANN,
GEORGE W. SOMERS.