(No Model.)

F. M. CLARK.

CHECK PUNCH.

No. 451,368. Patented Apr. 28, 1891.

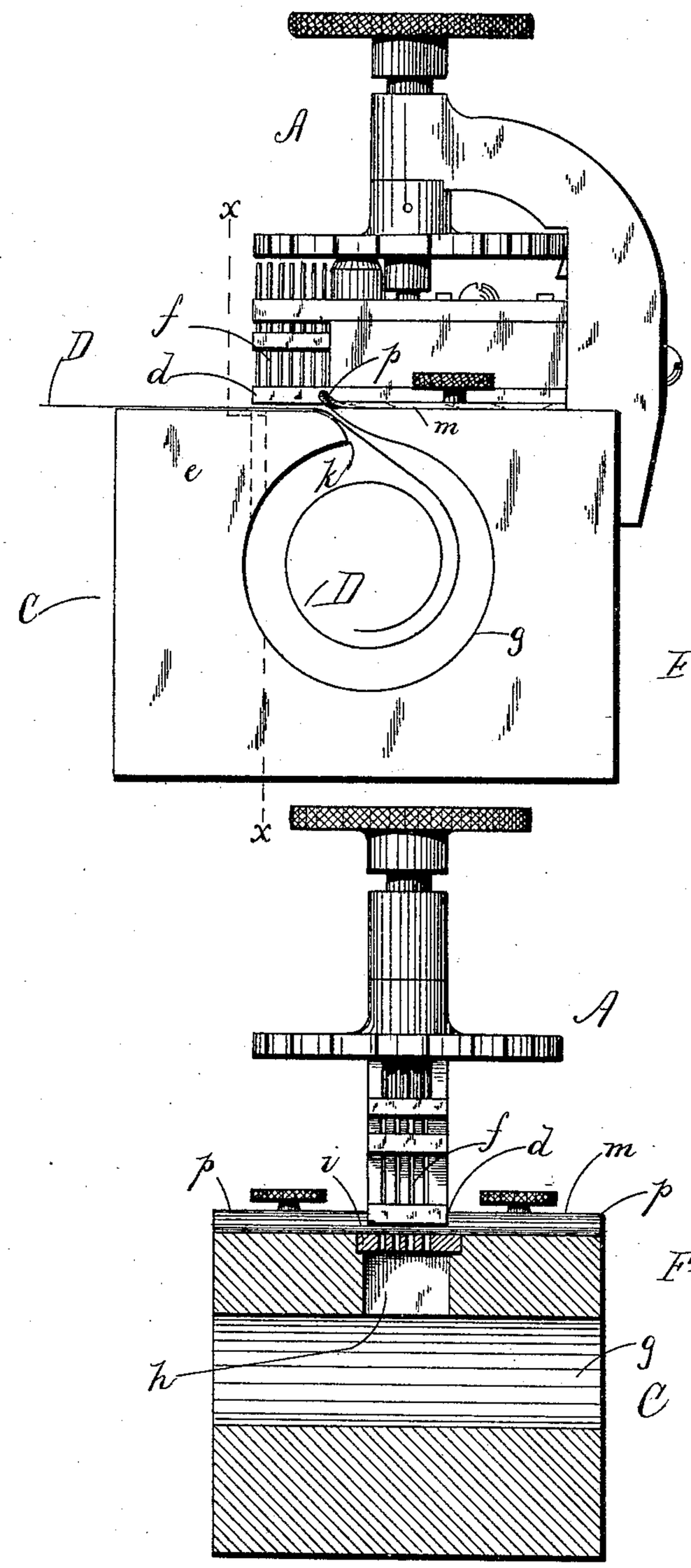

Fig. 1.

Fig. 2.

WITNESSES

INVENTOR

Frank M. Clark,

By C. A. Shaw & Co.,

ATTORNEYS

UNITED STATES PATENT OFFICE.

FRANK M. CLARK, OF TILTON, NEW HAMPSHIRE, ASSIGNOR TO THE MECHANICAL SPECIALTIES MANUFACTURING COMPANY, OF BOSTON, MASSACHUSETTS.

CHECK-PUNCH.

SPECIFICATION forming part of Letters Patent No. 451,368, dated April 28, 1891.

Application filed January 27, 1891. Serial No. 379,259. (No model.)

To all whom it may concern:

Be it known that I, FRANK M. CLARK, of Tilton, in the county of Belknap, State of New Hampshire, have invented certain new and useful Improvements in Check-Punches, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved check-punch, and Fig. 2 a front elevation of the same, the base being shown in vertical section taken on line *x x* in Fig. 1.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My present invention is designed as an improvement on the device shown and described in United States Letters Patent No. 422,728, dated March 4, 1890, and granted to me for new and useful improvements in check-punches, and relates especially to an improvement in the base of the punch, the object being to produce a more effective device.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation:

In the drawings, A represents the perforating mechanism considered as a whole, which is mounted on a cubical base C. As the construction and operation of said mechanism are fully set forth in said Letters Patent, it is not deemed essential to particularly describe the same herein. In such construction much difficulty is experienced in inserting the check or other paper sufficiently far under the plate *d* to enable the cutting-pins *f* to perforate it in the proper place. More particularly is this the case with bonds or documents provided with series of detachable coupons. My improvement overcomes this objection, and in carrying it out I make use of the following means: A tubular or cylindrical chamber *g* is formed horizontally in the base C and is open at both ends. The central line of said chamber is slightly at the rear of the perforating-pins *f*. An opening *h* is formed in the top wall of the chamber directly under the pins *f*, and the bed die or plate *i* is disposed across the mouth of said chamber. At the rear of the die *i* the base is slotted longitudinally at *k*, said slot inclining downward and opening into the chamber *g*. The adjustable gage-plates *m* have their front edges flush with said slot and are turned upward at *p*, the toes thus formed serving as a straight edge for placing the sheet or check D in proper line under the punch and to direct an edge of said sheet into the slot.

In the use of my improvement the check D is disposed on the upper face of the base and passing under the cutting-pins *f*, its inner edge entering the slot *k*. Said pins are forced therethrough into the bed-die *i* by the plunger-disk *t*, perforating the check in the usual manner. It will be seen that by employing the cylindrical chamber *g* the check may be passed any desired distance under the punch, the shape of said chamber causing it to roll or curl therein, as shown in Fig. 1. The chamber being open at the ends the check may be quickly removed by sliding it longitudinally thereof.

Having thus explained my invention, what I claim is—

1. In a check-punch of the character described, the combination, with the perforating mechanism, of a base supporting said mechanism, a tubular chamber opening through said base, and an inclined slot opening into said chamber at the rear of the perforating-pins of said mechanism, substantially as and for the purpose set forth.

2. In a check-punch of the character described, a base provided with a tubular chamber, a vertical opening under the bed-die in the top wall of said chamber, and an inclined slot leading into said chamber at the rear of said die, substantially as and for the purpose set forth.

3. In a check-punch of the character described, a base provided with a tubular chamber, and an inclined slot opening into said chamber at the rear of the cutting-pins, in

combination with adjustable gage-plates, as *m*, having the vertically-curved toe *p*, arranged to operate substantially as set forth.

4. In a check-punch of the character described, the bed-die, cutting-pins, and actuating mechanism, in combination with the base C, having the chamber *g*, opening *h*, and inclined slot *k*, and the adjustable gage-plates *m*, having the toe *p*, arranged substantially as set forth.

FRANK M. CLARK.

Witnesses:
JOHN T. MURPHY,
G. M. R. HOLMES.