

No. 683,893.

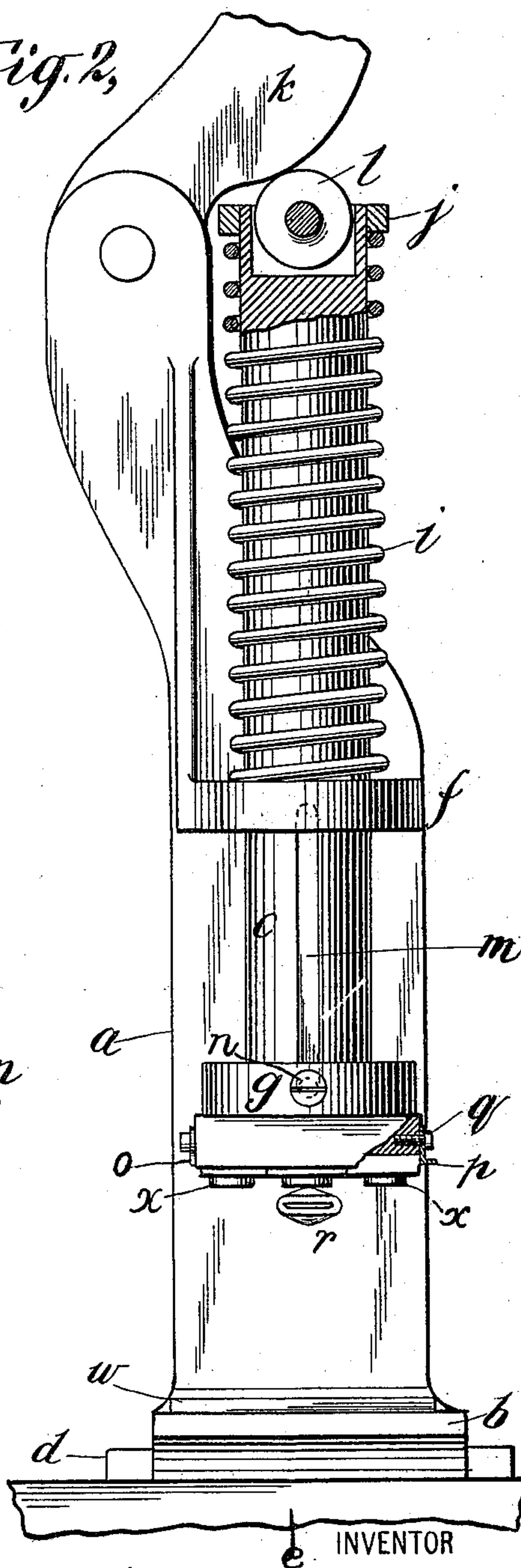
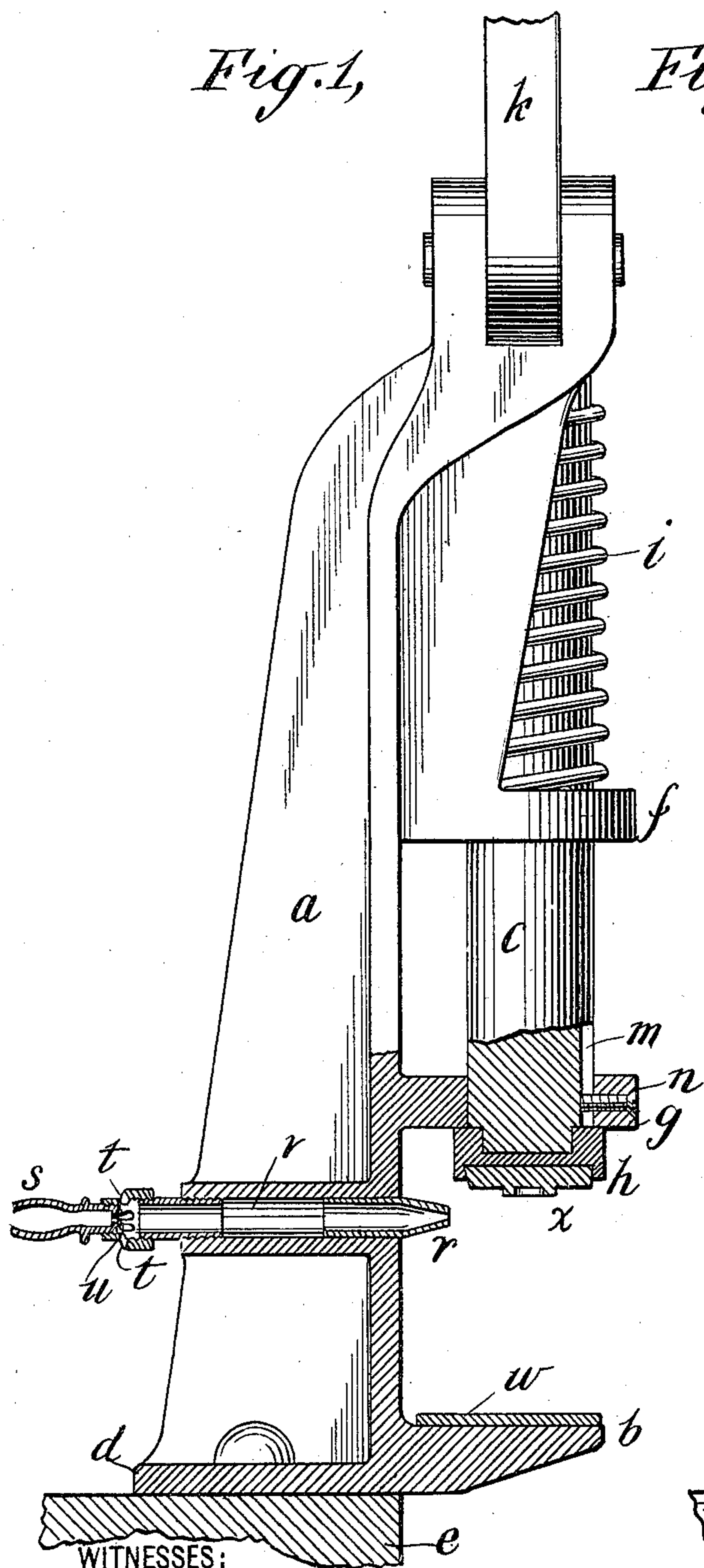
Patented Oct. 8, 1901.

H. C. BARON.

HAT SWEAT BAND STAMPING PRESS.

(Application filed Jan. 30, 1901.)

(No Model.)



WITNESSES:

D. N. Raymond.
Joseph N. H. Powell.

INVENTOR

Herman C. Baron

BY

Henry D. Williams
ATTORNEY

UNITED STATES PATENT OFFICE.

HERMAN C. BARON, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
SAMUEL D. WOHLFEIL, OF SAME PLACE.

HAT-SWEAT-BAND-STAMPING PRESS.

SPECIFICATION forming part of Letters Patent No. 683,893, dated October 8, 1901.

Application filed January 30, 1901. Serial No. 45,316. (No model.)

To all whom it may concern:

Be it known that I, HERMAN C. BARON, a citizen of the United States, and a resident of the borough of Manhattan, in the city of New York and State of New York, have invented new and useful Improvements in Hat-Sweat-Band-Stamping Presses, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof.

My invention relates to stamping-presses for printing or stamping upon hat sweat-bands after the same have been sewed or secured in place in the hats.

The objects of my invention are simplicity of construction and readiness and rapidity of operation and the performance of work of high quality.

The stamping-press embodying my invention is of simple and cheap construction and requires but little skill in its operation, and it is capable of being used in any hat-store and may be employed not only for stamping upon the hat sweat-band the name or mark of the dealer or manufacturer, but also the initials of the purchaser of a hat.

My invention comprises various improvements pointed out in the claims.

I will now describe a stamping-press embodying my invention shown in the accompanying drawings.

Figure 1 is a side elevation, partly in section, of such a stamping-press. Fig. 2 is a front elevation of the same, also partly in section.

The frame *a* is composed of a single piece, having at its lower front portion the platen *b*, and provided with slide-guides *f* and *g* above the platen to receive the reciprocating die-carrying head *c*. The frame is also provided with a bed *d*, adapted to be bolted or otherwise secured to a table or other support *e*, and the frame is adapted to be secured to the table or other support, with the platen overhanging the edge thereof.

The reciprocating head *c* slides in the guides *f* and *g* of the frame, these guides being spaced apart, the lower guide *g* being directly over the die-carrier *h*, which is at the lower end of the reciprocating head *c*, and

the upper guide *f* being some distance above this lower guide. The reciprocating head is normally held in upper position, with the upper face of the die-carrier *h* against the lower guide *g*, by a spring *i*, shown as of helical form and encircling the reciprocating head and bearing at its lower end against the upper face of the upper guide *f* and at its upper end against an enlargement or collar *j* at the upper end of the reciprocating head *c*.

Motion is imparted to the reciprocating head *c* from a hand-lever *k*, pivoted at the upper end of the frame *a* and which is not fully shown, but will be of sufficient length for ready manipulation. Engagement between the reciprocating head and the hand-lever would ordinarily result in a certain amount of sliding movement, which continually repeated on the same face would result in substantial friction and wear, and I have therefore provided a roller *l*, fitted to rotate at the upper end of the reciprocating head *c* and projecting above the same, so as to engage the actuating-face of the hand-lever *k*. By this construction the friction and wear are reduced to a minimum.

The reciprocating head is shown as of cylindrical form, and rotation thereof is prevented by the engagement in a slot *m*, formed in the face of the reciprocating head *c*, of a feather, pin, or screw *n*, extending therein from the lower guide *g*.

The die-carrier *h* is constructed to receive the dies or type *x* at its lower face, having overhanging guides, shown as of dovetail form and arranged longitudinally therein and provided with a stop, shown as a depending plate *o* at one side thereof—the left-hand side in Fig. 2—and a depending latch *p* at the other side thereof, this latch being pivoted upon the screw *q* and having its lower part bent outwardly to form a projection, permitting it to be readily swung upwardly by the finger of the operator for insertion or removing of the dies or type. I have shown this die-carrier with three separate type therein, such as would be employed for stamping three initials of a purchaser upon a hat sweat-band, and the dealer would usually be provided with a sufficient number of separate type to

provide the various combinations of initials desired, and the type can be readily slipped in one after another in the desired order. The stamp of the manufacturer or dealer would usually be a single plate or die which

5 would be of such dimensions as to fit the die-carrier.
To the successful accomplishment of the stamping operation when gold-leaf is employed, as usual, it is essential that the die or type should be heated, and I provide for heating it with the die-carrier in upper or normal position, as shown, by a burner *r*, set into the frame *a* and arranged to deliver a flat flame under the surfaces of the die or type in such normal position thereof. This burner is of the Bunsen form and has a bulb *s*, with which a flexible gas-tube may be engaged, and air-receiving orifices in proximity to the minute gas-delivering orifice *u*, and the gas and air are thoroughly commingled in the chamber *v* and spread out and delivered in a flat blue flame at the front surface of the burner *r*. With this construction the handling of heated parts is not required. The die or dies or type are first slipped into the die-carrier *h*, and then the burner is lighted and very quickly heats up the die or type, and the

10
15
20
25
30
35
40

hatsweat-band having been turned outwardly and adjusted upon the platen *b* and the gold-leaf placed thereon in desired position the hand-lever is operated and the stamping operation readily and quickly performed. The platen *b* has a face of soft material *w*, such as heavy cardboard or felt, and the stamping operation brings about a sufficient depression or intaglio effect to give a highly ornamental appearance.

It is evident that modifications may be made in the construction above particularly described within the spirit and scope of my invention.

What I claim, and desire to secure by Letters Patent, is—

1. In a press, in combination, a frame having a platen projecting forward at the lower end thereof, said frame being adapted to be secured to a support with the platen overhanging the edge thereof, a longitudinally-reciprocating head fitted in slide-guides on said frame above the platen, and adapted to receive a die or type at its lower end, a fixed burner set into the frame and arranged to heat the die or type carried by the head when the head is in normal position, a resistance device acting to yieldingly hold the reciprocating head in normal position, and means for actuating the reciprocating head, substantially as set forth.

2. In a press, in combination, a frame having a forwardly-projecting platen and adapted to be secured to a support with the platen overhanging the edge thereof, a longitudinally-reciprocating head fitted in slide-guides on said frame above the platen and adapted to receive a die or type at its lower end, a fixed burner set into the frame in rear of said reciprocating head and arranged to heat the die or type carried by the head when the head is in normal position, a spring acting to yieldingly hold the reciprocating head in normal position, a roller carried in bearings at the upper end of the reciprocating head, and a lever pivoted in said frame and arranged to come in contact with the roller on the reciprocating head to actuate the reciprocating head, substantially as set forth.

Signed at New York the 28th day of January, 1901.

HERMAN C. BARON.

Witnesses:

HERBERT H. GIBBS,
HENRY D. WILLIAMS.