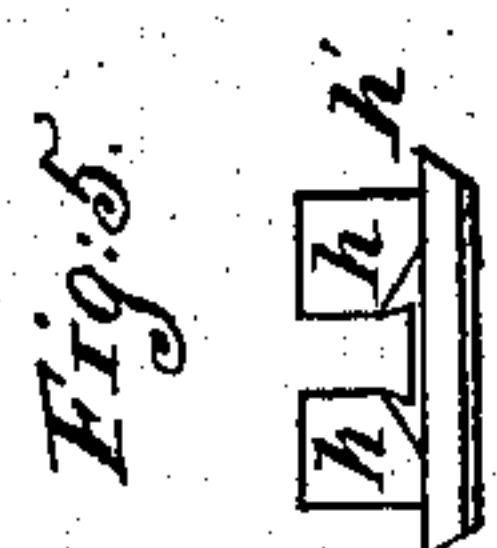
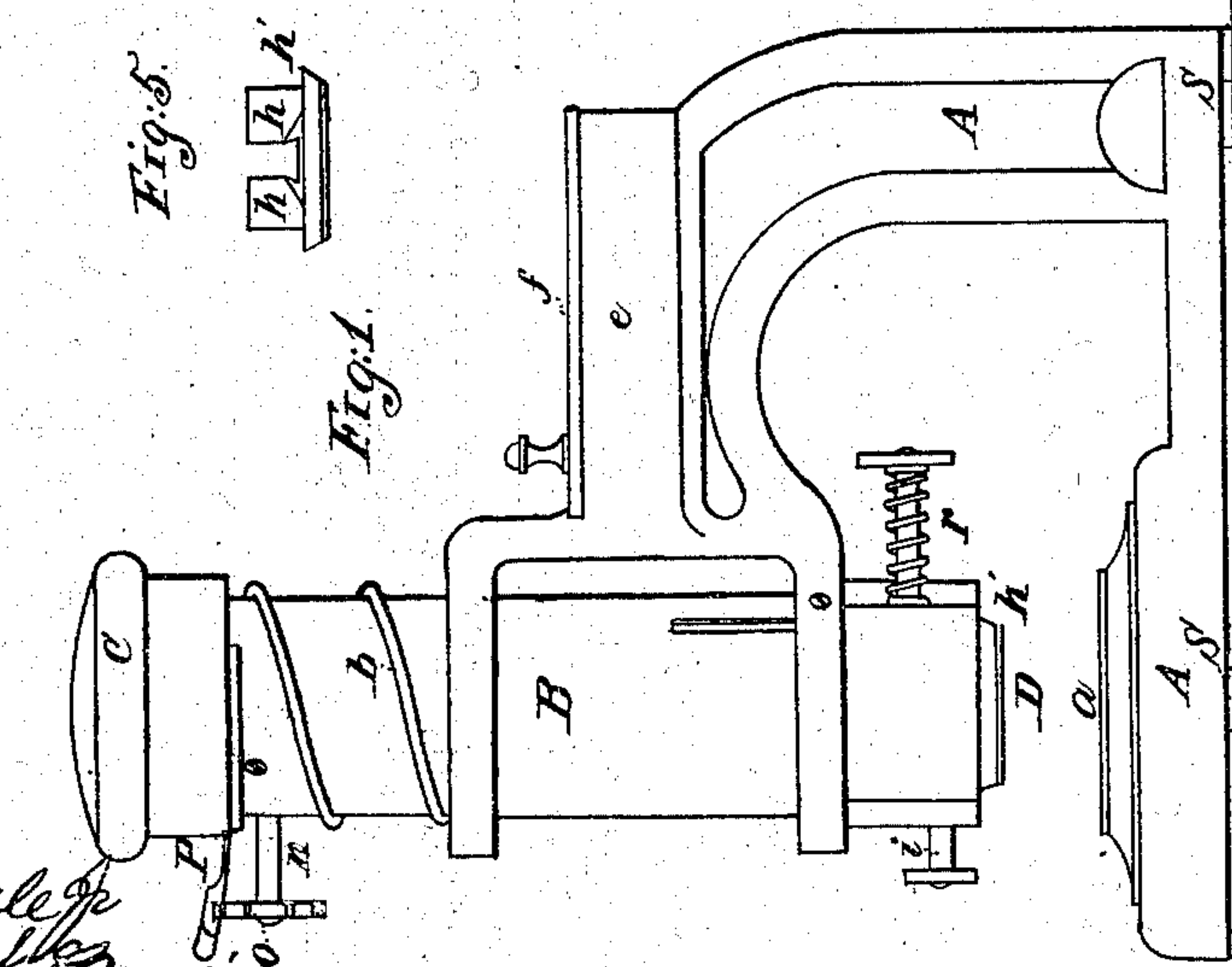
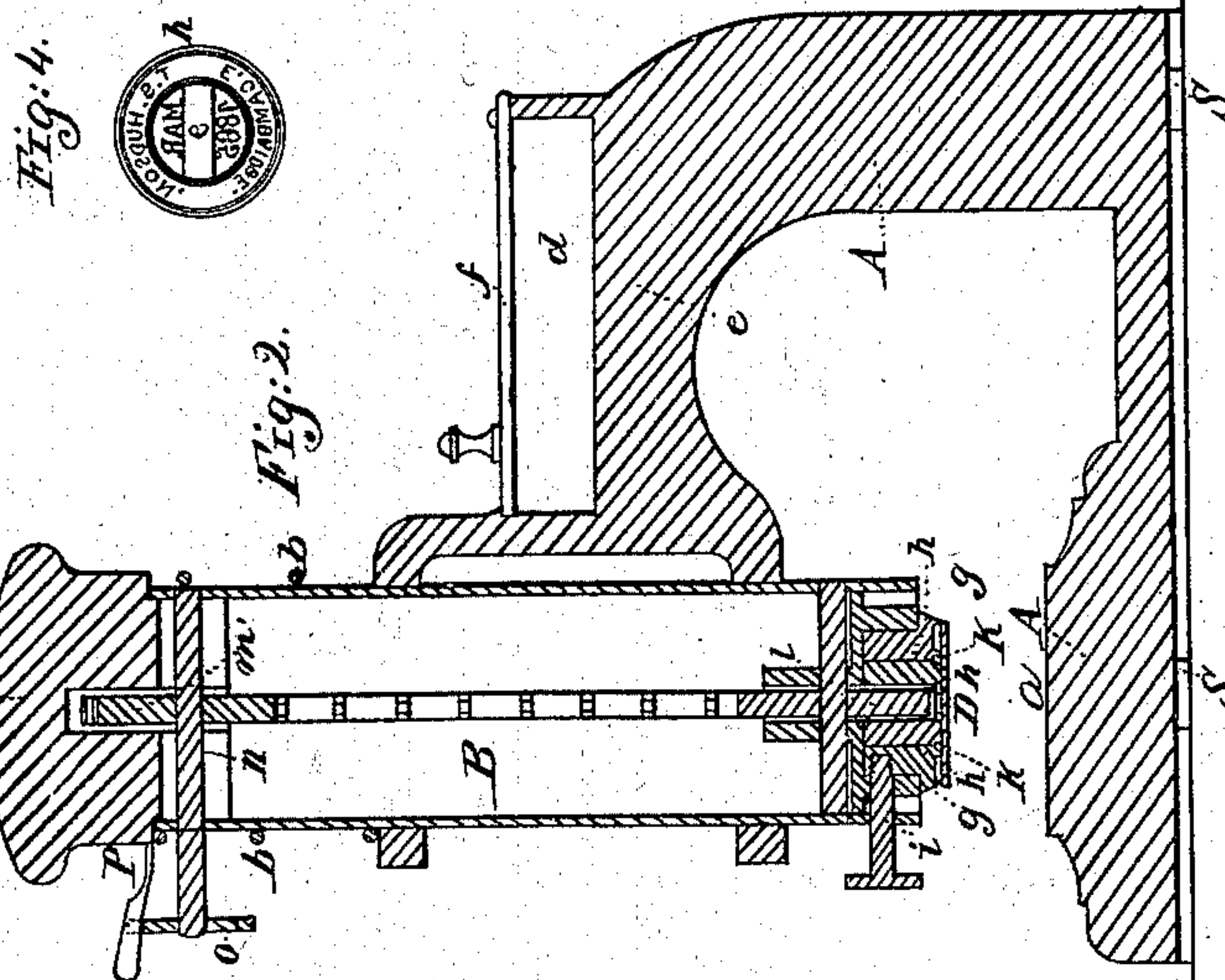
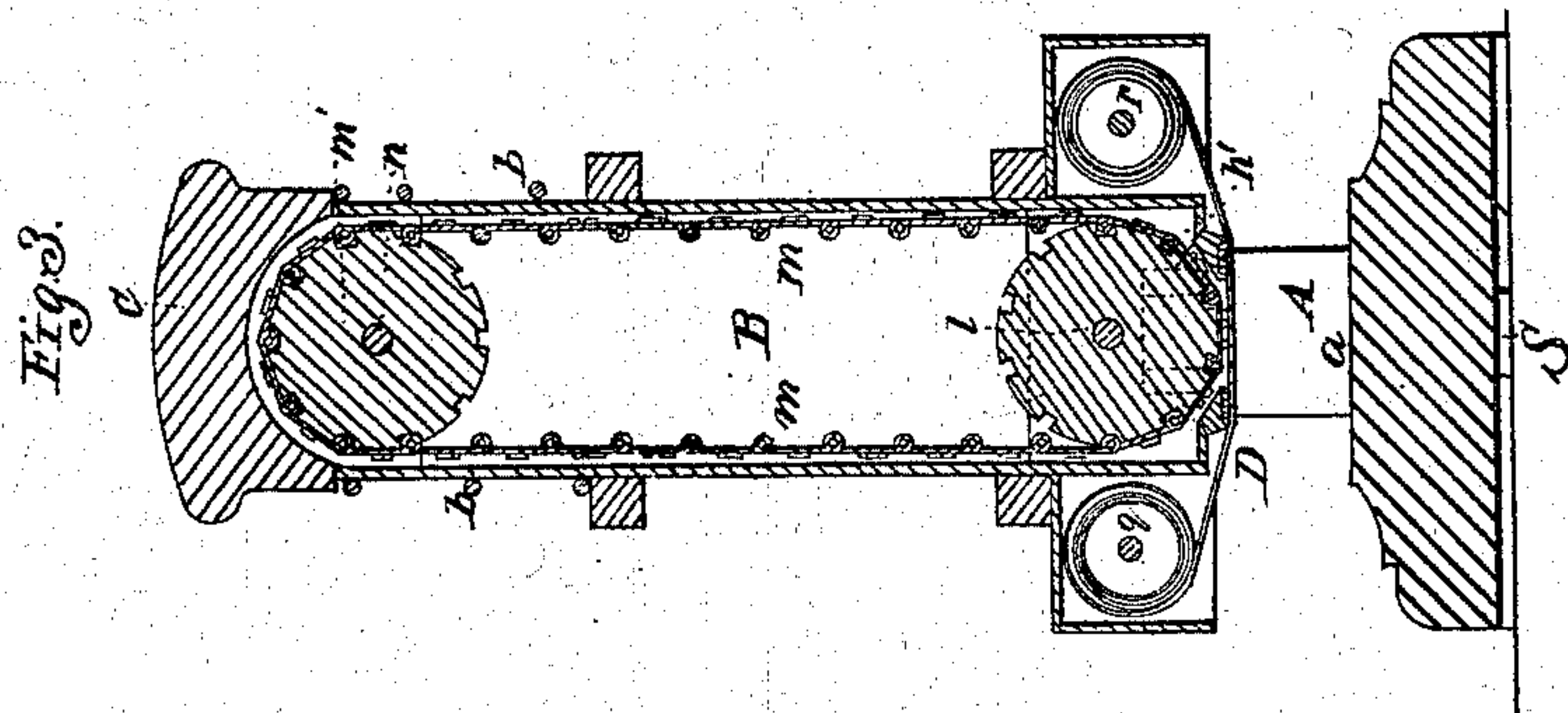


T. S. HUDSON & A. HARDY.
HAND STAMP.

No. 48,338.

Patented June 20, 1865.



Witnesses:

Chas. F. Hale
Frederick Curtis

Inventor:

Thomas S. Hudson
and Anthony Hardy
By their Attorney
R. W. Eddy

UNITED STATES PATENT OFFICE.

THOS. S. HUDSON AND ANTHONY HARDY, OF EAST CAMBRIDGE, MASSACHUSETTS, ASSIGNORS TO THOS. S. HUDSON, OF SAME PLACE.

HAND-STAMP.

Specification forming part of Letters Patent No. 48,338, dated June 20, 1865.

To all whom it may concern:

Be it known that we, THOMAS S. HUDSON and ANTHONY HARDY, of East Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improved Machine for Canceling Revenue-Stamps; and we do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation. Fig. 2 a central and longitudinal section, and Fig. 3 a transverse section, of it.

The nature of the main part of our invention consists in combining with devices used for printing the month and year, or the name or names of one or more persons, places, or things, a changeable mechanism or series of types by which the day of the month, whatever such may be, may also be printed at the same time with the other imprints made by the devices above mentioned; and our invention further consists in combining with the aforesaid canceling or printing devices a chamber or receiver for holding the types indicative of the months, or the years and months; and our invention further consists in the combination of a chase or separate type carrier or holder with the plunger, and the series of changeable types, to be hereinafter described.

In the drawings, A denotes the frame of the machine, it being constructed of the form represented, or in any other suitable for the purpose. It has a bed, *a*, on which the paper carrying the stamp to be canceled is to rest while being imprinted by the machine. The said frame supports a tubular plunger, B, which is provided with a spring, *b*, for elevating it; and it also has a head, *c*, on its top, such head being to receive the blow of a person's hand when applied to the plunger for the purpose of depressing it toward the bed. There is a rectangular cavity, *d*, formed in the neck *e* of the frame, and provided with a cover, *f*, such cavity being to contain the types for printing the names of the various months and years.

At the lower part of the plunger there are sockets *g g*, for the reception of projections *h*

h from the chase *h'*, which is held to the plunger by one or more clamp-screws, *i*. This chase, formed in under side view as shown in Fig. 4, and in side view in Fig. 5, is a type so made as to be capable of printing the name or words that do not require to be changed—as, for instance, the name of a person or place—and it contains tapering recesses or chambers *k k* for holding other types for printing the name of a month and that of the year. Between these tapering recesses there is a passage for the reception of a polygonal sprocket-wheel, *l*, and an endless chain, *m*, which extends around the perimeter of such wheel and that of another sprocket-wheel, *m'*, both of which are arranged within the plunger in manner as shown in the drawings. The said endless chain *m* is to contain thirty-one links, which are to have projecting from them figures for printing the various numbers, from one to thirty-one, indicative of the days of a month. On the shaft *n* of the upper sprocket-wheel is a catch-wheel, *o*, provided with a spring-catch, *p*, projecting from the head *c*, the same serving to fix the chain in position when any one of its links may be brought into its place for printing.

A printing-ribbon, D, applied to wind on two axles, *q r*, arranged in manner as shown in the drawings, extends underneath and against the printing-surface of the chase, such printing-ribbon being covered with a pigment or composition which will offset when pressed on paper by the chase and its type.

To the bottom of the frame A we apply one or more elastic cushions or masses, *s s*, of vulcanized india-rubber, the same being not only to prevent noise, but to relieve the hand from the effects of the blow on the head of the plunger during the act of driving the plunger downward. They also serve to protect the types from the effect of concussion.

The mode of operating our invention is to place the paper having the revenue-stamp on it on the bed, and by a blow of the hand on the head of the plunger force the plunger and the printing-ribbon down upon the stamp, so as to cause an imprint to take place on the stamp.

Our invention also is applicable to post-stamping letters, as well as various other uses.

What we claim as our invention is—

1. The combination of the endless chain of types and its carrying mechanism with the plunger.

2. The combination of the endless chain of types and its carrying mechanism with the plunger and the chase, the whole being arranged together as specified.

3. The combination of the endless chain of types and its carrying mechanism with the chase, the plunger, and printing-ribbon, arranged as specified.

4. The combination of the type-chamber *d* in the neck *c* of the frame with the endless chain of type, its carrying mechanism, the chase, and the plunger, arranged to operate as described.

5. The combination of one or more elastic cushions or masses of vulcanized india-rubber, *ss*, with the frame and plunger of the press, such cushion or cushions being arranged on the bottom of the said frame, and for the purpose as explained.

6. The combination of the catch-wheel *o* and spring-catch *p* with the endless type-chain, its sprocket-wheels, the plunger, the chase, and the bed, arranged and so as to co-operate as specified.

THOS. S. HUDSON.
ANTHONY HARDY.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.