

1,289,762.

FIG. 1.

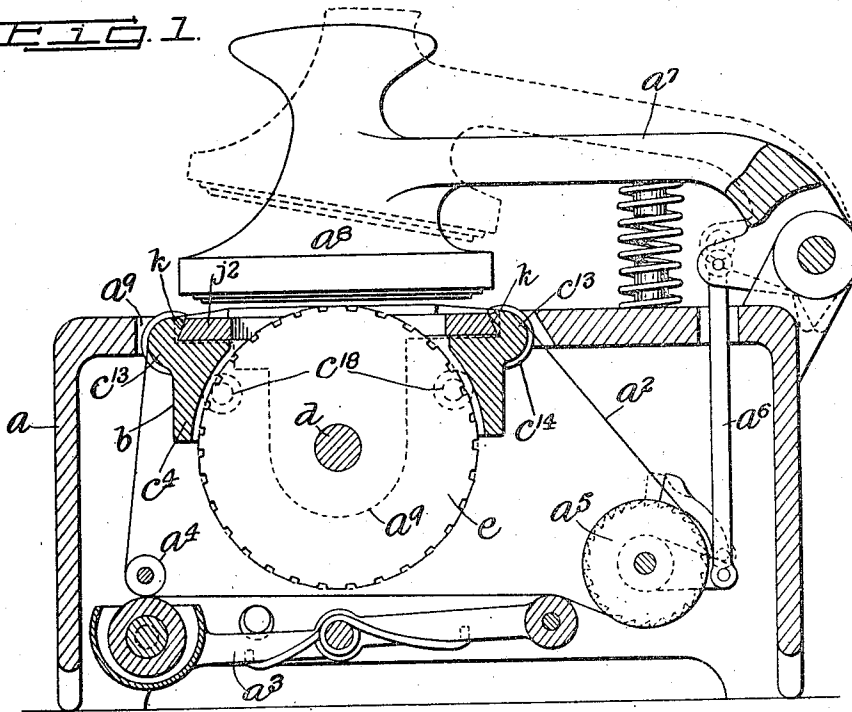
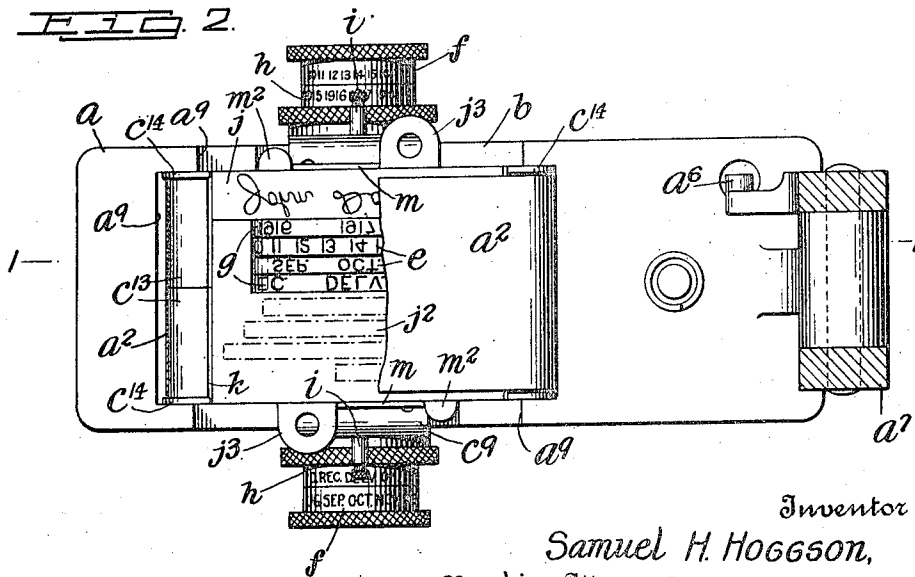


FIG. 2.

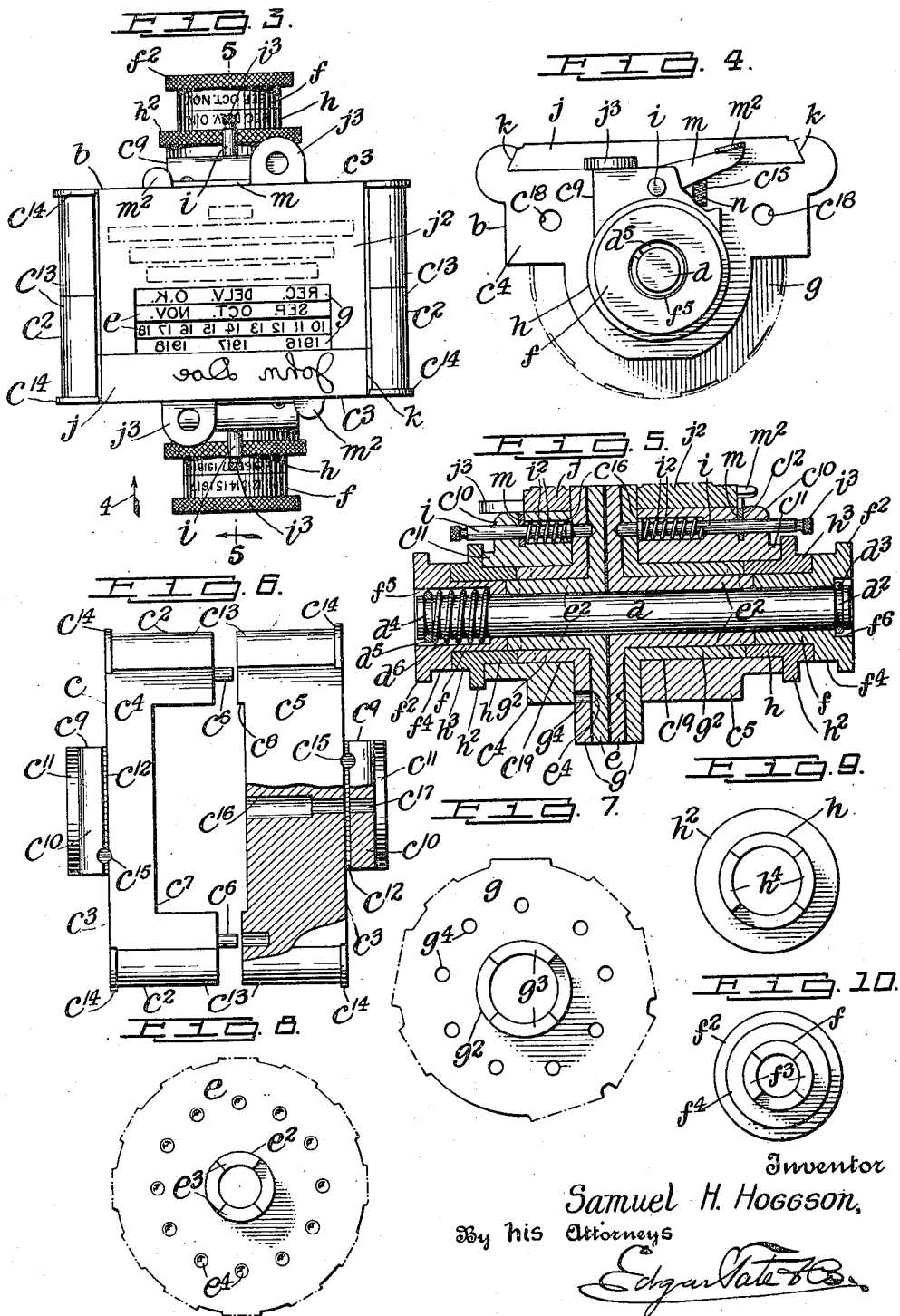


Inventor
 Samuel H. Hoggson,
 By his Attorneys
 Edgar Tate & Co.

S. H. HOGGSON.
 DATING STAMP.
 APPLICATION FILED NOV. 9, 1917.

Patented Dec. 31, 1918.
 2 SHEETS—SHEET 2.

1,289,762.



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 Edgar Tate & Co.

UNITED STATES PATENT OFFICE.

SAMUEL H. HOGGSON, OF NEW YORK, N. Y., ASSIGNOR TO THE POST DATER-STAMP CO.,
OF WILMINGTON, NORTH CAROLINA, A CORPORATION OF NORTH CAROLINA.

DATING-STAMP.

1,289,762.

Specification of Letters Patent.

Patented Dec. 31, 1918.

Application filed November 9, 1917. Serial No. 201,046.

To all whom it may concern:

Be it known that I, SAMUEL H. HOGGSON, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Dating-Stamps, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to what are known as dating stamps and particularly to dating stamps of the class shown and described in U. S. Letters Patent No. 1,086,852 granted to T. R. Post, February 10, 1914, and No. 1,032,769 granted to the same party July 16, 1912; and the object thereof is to improve stamps of this class so as to facilitate their construction and operation, to facilitate the repair and cleaning thereof when necessary, and to increase the durability thereof, and to provide an improved construction whereby the assemblage of the operative parts and the disconnection thereof when necessary for repair, cleaning or other purposes are facilitated, and the operation thereof when in use rendered more accurate and successful; and with these and other objects in view the invention consists in the production or construction of a single unit or unitary device involving a stock, the usual printing disks or wheels and the usual name or signature plate and heading or title plate employed in connection therewith, together with all necessary parts for operating or turning said printing disks or wheels and for locking or securing all of said parts in position to form said unit or unitary device, which unit or unitary device is insertible into and removable from the usual frame or casing, or a frame or casing of any suitable construction, as a whole, for repairs, cleaning or other purposes, whenever necessary or desirable; said invention also consisting in a construction of the class specified for use in a dating stamp or other printing device whereby the operation of the device will not injure the bearings or mountings of the printed disks or wheels and cause them to operate irregularly or unevenly.

The invention also involves other advantages in construction and operation which will hereinafter appear, and said invention

is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a longitudinal vertical section of a dating stamp involving my invention and on the line 1—1 of Fig. 2;

Fig. 2 a plan view of the device as shown in Fig. 1 with parts of the construction broken away and in section;

Fig. 3 a plan view of the unitary device or construction which I employ detached;

Fig. 4 a side view looking in the direction of the arrow 4 of Fig. 3;

Fig. 5 a section on the line 5—5 of Fig. 3;

Fig. 6 a plan view of the stock or frame portion of the unitary device constituting my invention, with part of the construction broken away, said stock or frame portion being composed of two parts which are shown disconnected;

Fig. 7 a side view of one form of a printing disk or wheel which I employ, two of which are used;

Fig. 8 a similar view of another printing disk or wheel which I employ and two of which are used;

Fig. 9 an inner end view of a clutch sleeve which I employ in connection with the disk or wheel shown in Fig. 7, and two of which are used; and

Fig. 10 an inner end view of another clutch sleeve which I employ in connection with the disk or wheel shown in Fig. 8, and two of which are used.

In the drawing forming part of this specification, I have shown at a , the casing of a dating stamp of the class under consideration, and at a^2 an endless inking strip or ribbon such as that shown and described in the first patent hereinbefore referred to, and at a^3 , a^4 , a^5 and a^6 , I have shown the means for operating said inking strip, the means for operating said strip being connected with a stamp head arm a^7 , and said stamp head arm being provided with the usual or any suitable stamp head a^8 , all these parts being the same in form, construction and operation as the similar parts shown and described in the first patent hereinbefore referred to, and forming no part of this invention.

In the practice of my invention, I provide a unit or unitary type device *b* of the class hereinbefore referred to, said unit being shown mounted for use in Figs. 1 and 2, and being shown detached and in detail in Figs. 3 to 10 inclusive, and the top and sides of the casing *a* are cut out as shown at *a'*, to receive the unit or unitary device which constitutes this invention, the form of the cut-out portions of the sides of the casing being indicated in dotted lines in Fig. 1.

In the construction of my improved unit or unitary device for use in dating stamps and other printing apparatus, I provide a stock *c* which is oblong and rectangular in plan, and the front and back sides *c*² of which are parallel and similar in form, and the lateral sides *c*³ of which are also parallel and similar in form, and said stock is composed of two parts *c*⁴ and *c*⁵, the division being in a central vertical plane which ranges longitudinally of the stamp, and one of said parts is provided with dowel pins *c*⁶ adapted to enter corresponding recesses in the other part, and the said parts are also provided in their adjacent faces with oblong and rectangular recesses *c*⁷ and *c*⁸, the recess *c*⁷ in the part *c*⁴ being of much greater dimensions than the recess *c*⁸ in the part *c*⁵, and said parts are also provided on their outer lateral side faces with vertically arranged shoulders or projections *c*⁹, the bottom portions of which are rounded and adapted to fit in the corresponding rounded portions of the cut-outs in the sides of the casing *a*, which are indicated in dotted lines in Fig. 1, and said parts *c*⁹ are also provided at the top thereof with transverse shoulders *c*¹⁰ below which are transverse annular shoulders *c*¹¹, and the shoulders *c*¹⁰ are provided with forwardly and backwardly ranging recesses *c*¹². The front and back sides of the stock *c* are provided at the top thereof with rounded transverse projecting shoulders *c*¹³ over which the inking strip *a*² passes when the device is in use, and said shoulders are provided with end flanges *c*¹⁴ which hold said strip in place.

The forwardly and backwardly ranging recesses *c*¹² in the tops of the shoulders *c*¹⁰ are provided, one in the front end portion thereof, and the other in the rear end portion thereof with spring apertures *c*¹⁵, and the separate stock members *c*⁴ and *c*⁵ in the central top portion thereof are provided with transverse apertures *c*¹⁶, the outer end portions of which have reduced extensions *c*¹⁷ which pass through the shoulders *c*¹⁰, and through the recesses *c*¹², and said side portions *c*⁴ and *c*⁵ of the stock *c* are provided with screw apertures *c*¹⁸ to receive screws passed through the sides of the casing *a* to hold the unit or unitary device *b* in position.

The stock *c* is provided with a large cen-

tral laterally ranging aperture *c*¹⁹ which passes through both parts thereof, and in the construction of the operative parts of the unit or unitary device *b*, I employ a central spindle *d* on which are mounted two central printing disks or wheels *e*, one of which is a day wheel and the other a month wheel, and one of which is shown in Fig. 1, and these disks or wheels are provided with laterally directed clutch sleeves *e*², the ends of which are provided with clutch members *e*³, and the outer sides of the disks or wheels *e* are provided with circularly arranged recesses *e*⁴, as clearly shown in Figs. 5 and 8, and which correspond in number and radial location with the arrangement of type on the disks or wheels *e*.

Mounted on the end portions of the spindles *d* are clutch sleeves *f*, one of which is shown in Fig. 10, and said clutch sleeves are provided with milled heads *f*², and the inner ends thereof are provided with clutch members *f*³ which correspond with the clutch members *e*³ on the sleeves *e*² of the wheels *e*, and the heads *f*² of the sleeves *f* are provided on their inner sides with circular shoulders or hub members *f*⁴, and one of the sleeves *f* and its head *f*² is provided with a deep circular recess *f*⁵ around the corresponding end of the spindle *d*, and the head *f*² of the other sleeve *f* is provided also with a recess *f*⁶, and the end of the spindle *d* which passes through the recess *f*⁶ is provided with an annular groove *d*² in which is mounted a detachable locking ring *d*³, and the end of said spindle which passes through the recess *f*⁵ is also provided with a groove *d*⁴ in which is mounted a detachable locking ring *d*⁵, and mounted on the end portion of the spindle *d* within the recess *f*⁵ is a spiral spring *d*⁶ which bears on the locking ring *d*⁵ and on the inner end wall of the recess *f*⁵.

Mounted on the outer sides of the printing disks or wheels *e* are other printing disks or wheels *g*, one of which is shown in Fig. 7, and said disks or wheels are provided with oppositely directed clutch sleeves *g*², the ends of which are provided with clutch members *g*³, and the clutch sleeves *g*² fit movably on the clutch sleeves *e*³ of the disks or wheels *e*, and the disks or wheels *g* are also provided with circularly arranged apertures *g*⁴ which correspond radially with the arrangement of the type on the faces of said disks or wheels, and which are adapted to register with the recesses *e*⁴ in the disks or wheels *e*.

Mounted on the clutch sleeves *f* are clutch sleeves *h*, one of which is shown in Fig. 9, and said sleeves are provided with annular milled heads *h*² having shoulders or hubs *h*³, and the clutch sleeves *h* are also provided at their inner ends with clutch members *h*⁴ which correspond with the clutch members *g*³ on the sleeves *g*² of the disks or wheels *g*.

One of the wheels *g* is a year wheel and

the other a utility wheel on which are printed or placed any suitable type letters which represent any desired words or letters having a well known meaning such as "Act", "O. K.", "Pd." or any other suitable words or type indicating any other words, or giving any desired information, the use or purpose of both the disks or wheels *e* and the disks or wheels *g* being similar to the use or purpose of corresponding printing disks or wheels in other dating stamps or printing devices of the class under consideration.

Mounted transversely and centrally in the parts *c*⁴ and *c*⁵ and passing through the apertures *c*¹⁶ and the extensions *c*¹⁷ thereof are locking pins *i*, and mounted on said pins within the apertures *c*¹⁶, which form spring chambers are spiral springs *i*² which normally serve to force said pins inwardly, and the said pins pass through the apertures *g*⁴ in the disks or wheels *g* and enter the recesses *e*⁴ in the disks or wheels *e*, and the outer ends of said pins are provided with milled heads *i*².

Mounted in the tops of the opposite side portions of the separate parts *c*⁴ and *c*⁵ of the stock *c* is the usual removable name or signature plate *j* and a removable business heading or title plate *j*², and any suitable advertising material may be placed on these plates, and especially on the plate *j*², the plate *j* being primarily intended as a name or signature plate.

The shoulders *c*¹³ of the stock *c* are provided in their inner sides with beveled grooves and the ends of the plates *j* and *j*² are correspondingly formed as shown at *h* in Fig. 1, and said plates are provided at their outer sides with thumb and finger pieces *j*³ by means of which they may be manipulated or inserted into position, or removed therefrom when necessary, and mounted in the recesses *c*¹² at the outer sides of the separate parts of the stock are lock levers *m* through which the lock pins *i* pass. One of said levers *m* extends forwardly and the other backwardly, and each is provided at its free end with a thumb and finger piece *m*² by which it may be manipulated, and mounted in the recesses *c*¹⁵ are springs *n* which normally serve to force said levers upwardly, in which position they lock the plates *j* and *j*² in position, and in order to remove said plates, the levers *m* must be depressed.

I also, in practice, prefer to provide the annular shoulders or hub members *f*⁴ of the clutch sleeves *f* with type characters similar to the printing type or characters on the disks or wheels *e*; and the hubs or shoulder members *h*³ of the sleeves *h* with type characters similar to those on the disks or wheels *g*, which construction or provision will facilitate the use of the device, as will be readily understood, and as shown and de-

scribed in the first "Post" patent hereinbefore referred to, but it may be understood that my invention is not limited to any arrangement of type characters on any of the printing wheels herein shown and described, or on the hub or shoulder members *f*⁴ and *h*³, or on the plates *j* and *j*², this invention pertaining to the mechanical parts of the construction only.

From the foregoing description, it will be seen that when the parts are assembled as shown in Fig. 5, they may be locked together by forcing the spindle *d* to the right until the end portion in which the groove *d*² is formed projects, after which the locking ring *d*³ may be placed in position and the spindle allowed to return to its normal position as shown in said figure, and it will thus be seen that while all the parts of the unitary device are snugly assembled they are also loosely connected, said parts being held in their normal positions by the action of the spring *d*⁶.

From the foregoing description it will be seen that the stock or frame in connection with which the rotary and other printing devices are mounted and through which the spindle *d* passes is divided into separate parts in a plane at right angles to said spindle and the rotary printing devices are also mounted in planes parallel with the abutting faces of said parts and this is one of the important features of my construction as the assembling of the parts and the operation of the device as herein described depend thereon.

In assembling the separate parts of said unit, the springs *n* are first placed in position in the stock, after which the levers *m* are placed in the recesses *c*¹², after which the lock pins *i* with the springs *i*² thereon are passed outwardly through the stock members and through the levers *m* as shown in Fig. 5, after which the disks or wheels *g* are placed in position followed by the clutch sleeves *h*. The disks or wheels *e* are then placed in position, after which the clutch sleeves *f* are inserted, and this completes the assemblage of the said separate parts of the unit or unitary device, and said parts are then connected by passing the spindle *d* with the spring *d*⁶ mounted thereon transversely through said parts from left to right, in the position shown in Fig. 5, and forcing said spindle through said parts until the end with the groove *d*² therein projects, after which the locking ring *d*³ is placed in said groove and the spindle turned to its normal position by the spring *d*⁶. The plates *j* and *j*² may then be placed in position in the manner hereinbefore described and the complete unit or unitary device is ready for mounting in the frame or casing of the stamp in which it is secured by screws passed through the screw-holes *c*¹⁸.

From the foregoing description, it will be seen that the unit or unitary device *b* is reversible, or may be turned half-way around in a horizontal plane, and mounted in either position in the frame or casing of the stamp, and by reason of this fact a sheet of paper may be printed on either side edge portion thereof, or on either end portion thereof, and while I have shown and described my improved unit or unitary device as inserted into the top of the frame or casing of the stamp only, my invention is not limited to this arrangement, and said unit or unitary device may be placed in, or secured in, the stamp head *a*^s of the arm *a*^r, as shown and described in the Post Patent No. 1,032,769 hereinbefore referred to.

Although, I have shown and described the preferred means for carrying the various objects of my improvement herein set out and others, into effect, my invention is not limited to the details of construction herein shown and described, and changes therein, and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a device of the class described, a frame and a unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, a plurality of rotary printing devices mounted in said stock and in planes parallel with the abutting faces of said parts, and means for connecting all of said parts to form a complete printing unit insertible into and removable from said frame.

2. A unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, a spindle passing through said parts at right angles to their abutting faces, rotary printing devices mounted on said spindle and in said stock, means for operating the rotary printing devices, and means involving said spindle for detachably connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

3. In a device of the class described, a frame and a unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, rotary and stationary printing devices mounted in connection with said stock, a spindle movable longitudinally through said stock and through said rotary printing devices, and means involving said spindle for detachably connecting all of said parts to form a unitary construction

insertible into and removable from said frame.

4. A unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock and provided with clutch sleeves, a longitudinally movable spindle passed through said stock and through said clutch sleeves, other clutch sleeves mounted in connection with said spindle and with the clutch sleeves of said rotary printing devices, and means involving said spindle for detachably connecting all of said parts to form a unit.

5. In a device of the class described, a frame and a unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock and in planes parallel with the abutting faces of the parts thereof, means in connection with said stock for locking said rotary printing devices against movement, means for operating said rotary printing devices, and means for detachably connecting all of said parts to form a unit insertible into and removable from said frame as such.

6. In a device of the class described, a frame and a unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock and in planes parallel with the abutting faces of said parts, stationary printing devices mounted in connection with said stock, means in connection with said stock for locking said rotary printing devices against movement, means for operating said rotary printing devices, and means for detachably connecting all of said parts including the stock to form a unit insertible into and removable from said frame.

7. In a device of the class described, a frame and a unitary type device or construction for use in printing and comprising a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock, and in planes parallel with the abutting faces of said parts, stationary printing devices detachably mounted in connection with said stock, means for locking said stationary printing devices in position, means for locking the rotary printing devices against movement, means for operating said rotary printing devices, and means for detachably connecting all of said parts to form a complete, independent, unitary device insertible into and removable from said frame.

8. In a device of the class described, a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock, means for operating said

rotary printing devices, means for locking said rotary printing devices against movement, a longitudinally movable spindle passing through said stock and on which said
 5 rotary printing devices are mounted, a spring for moving said spindle in one direction, and means involving said spindle for detachably connecting all of said parts to form a unit insertible into and removable
 10 from a support as such.

9. In a type device of the class described, a stock composed of separate detachably connected parts, rotary printing devices mounted in said stock, a spring-controlled
 15 spindle movable longitudinally through said stock and through said rotary printing devices, means for operating said rotary printing devices, and means involving said spindle for detachably connecting all of said
 20 parts to form a complete unitary device.

10. In a type device of the class described, a stock composed of separate detachably connected parts, rotary printing devices mounted between said parts, stationary
 25 printing devices mounted on said parts, means for operating said rotary printing devices, means for locking said rotary printing devices against movement, a spring-controlled spindle passing through said stock
 30 and through said printing devices and movable longitudinally therethrough, and means involving said spindle for detachably connecting all of said parts to form an independent unit.

11. A unitary type device or construction for use in printing, said device comprising a box-shaped stock one side of which is closed and provided with an opening, rotary printing
 40 devices mounted in said stock and the perimeters of which extend through said opening, rotary operating devices mounted on the opposite sides of said stock and in operative connection with said rotary printing
 45 devices, and means for detachably connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

12. A unitary type device or construction for use in printing, said device comprising a
 50 box-shaped stock one side of which is closed and provided with an opening, rotary printing devices mounted in said stock and the perimeters of which extend through said opening, stationary printing devices mounted
 55 in connection with said stock at the opposite sides of said opening, rotary operating devices mounted in the opposite sides of said stock and in operative connection with said rotary printing devices, and means for detachably
 60 connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

13. A unitary type device or construction for use in printing, said device comprising
 65 a box-shaped stock one side of which is

closed and provided with an opening, rotary printing devices mounted in said stock and the perimeters of which extend through said opening, stationary printing devices detachably mounted in connection with said
 70 stock at the opposite sides of said opening, rotary operating devices mounted on the opposite sides of said stock and in operative connection with said rotary printing devices, a longitudinally movable spindle
 75 passing through said stock and said rotary printing devices, and means involving said spindle for detachably connecting said rotary printing devices in said stock to form a unitary device insertible into and removable
 80 from a suitable frame or support.

14. In a device of the class described, a frame or support the opposite side walls of which are provided with recesses which open outwardly and a unitary type device for use
 85 in printing and in connection with said frame or support, said device comprising a box-shaped stock one side of which is closed and provided with an opening, rotary printing devices mounted in said stock and the
 90 perimeters of which extend through said opening, rotary operating devices mounted on the opposite sides of said stock and in operative connection with said rotary printing devices, and means for detachably connecting
 95 all of said parts of the unitary type device to form a unit insertible into and removable from said recesses in the frame or support.

15. In a device of the class described, a
 100 frame or support the opposite side walls of which are provided with recesses which open outwardly and a unitary type device for use in printing and in connection with said frame or support, said device comprising a
 105 box-shaped stock one side of which is closed and provided with an opening, rotary printing devices mounted in said stock and the perimeters of which extend through said opening, rotary operating devices mounted
 110 on the opposite sides of said stock and in operative connection with said rotary printing devices, and means for detachably connecting all of said parts of the unitary type device to form a unit insertible into and
 115 removable from said recesses in the frame or support, said means involving a spring-controlled spindle movable longitudinally through said frame or support and through said rotary printing devices.

16. A unitary type device or construction for use in printing, said device comprising a box-shaped stock one side of which is closed and provided with an opening, said stock being also divided centrally and vertically
 120 into separate parts, rotary printing devices mounted in said stock and the perimeters of which extend through said opening, rotary operating devices mounted on the opposite sides of said stock and in oper-
 125
 130

ative connection with said rotary printing devices, and means for detachably connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

17. A unitary type device or construction for use in printing, said device comprising a box-shaped stock one side of which is closed and provided with an opening, said stock being divided centrally and vertically into separate parts, a longitudinally movable spindle mounted in said stock and at right angles to the plane of the division thereof, rotary printing devices mounted in said stock on said spindle and the perimeters of which extend through the opening in said stock, rotary operating devices mounted on the opposite sides of said stock and in operative connection with said rotary printing devices, and means including said spindle for detachably connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

18. A unitary type device or construction

for use in printing, said device comprising a box-shaped stock one side of which is closed and provided with an opening, said stock being divided centrally and vertically into two separate parts, a spindle mounted in said stock at right angles to the line of division thereof, rotary printing devices mounted on said spindle in said stock and the perimeters of which extend through said opening, rotary operating devices mounted on said spindle outwardly of said stock and in operative connection with said rotary printing devices, and means involving said spindle for detachably connecting all of said parts to form a unit insertible into and removable from a suitable frame or support.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 7th day of November, 1917.

SAMUEL H. HOGGSON.

Witnesses:

C. E. MULREANY,
H. E. THOMPSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."