

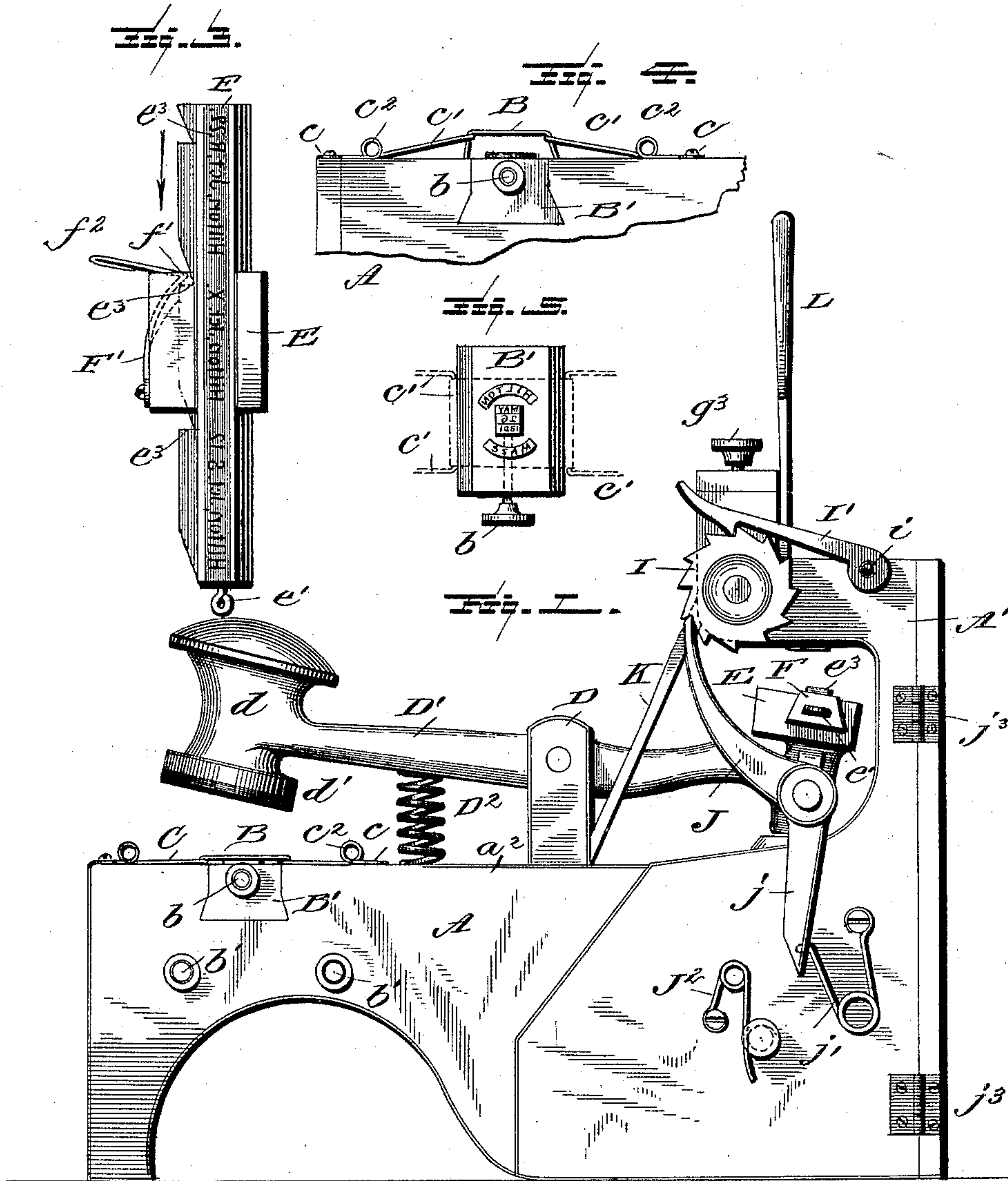
(No Model.)

2 Sheets—Sheet 1.

E. F. ANTROBUS.
TICKET REGISTER.

No. 462,072.

Patented Oct. 27, 1891.



Witnesses

L. C. Hills.
E. H. Bond.

Inventor

Edward F. Antrobus.
per Cha. H. Fowler.
Attorney

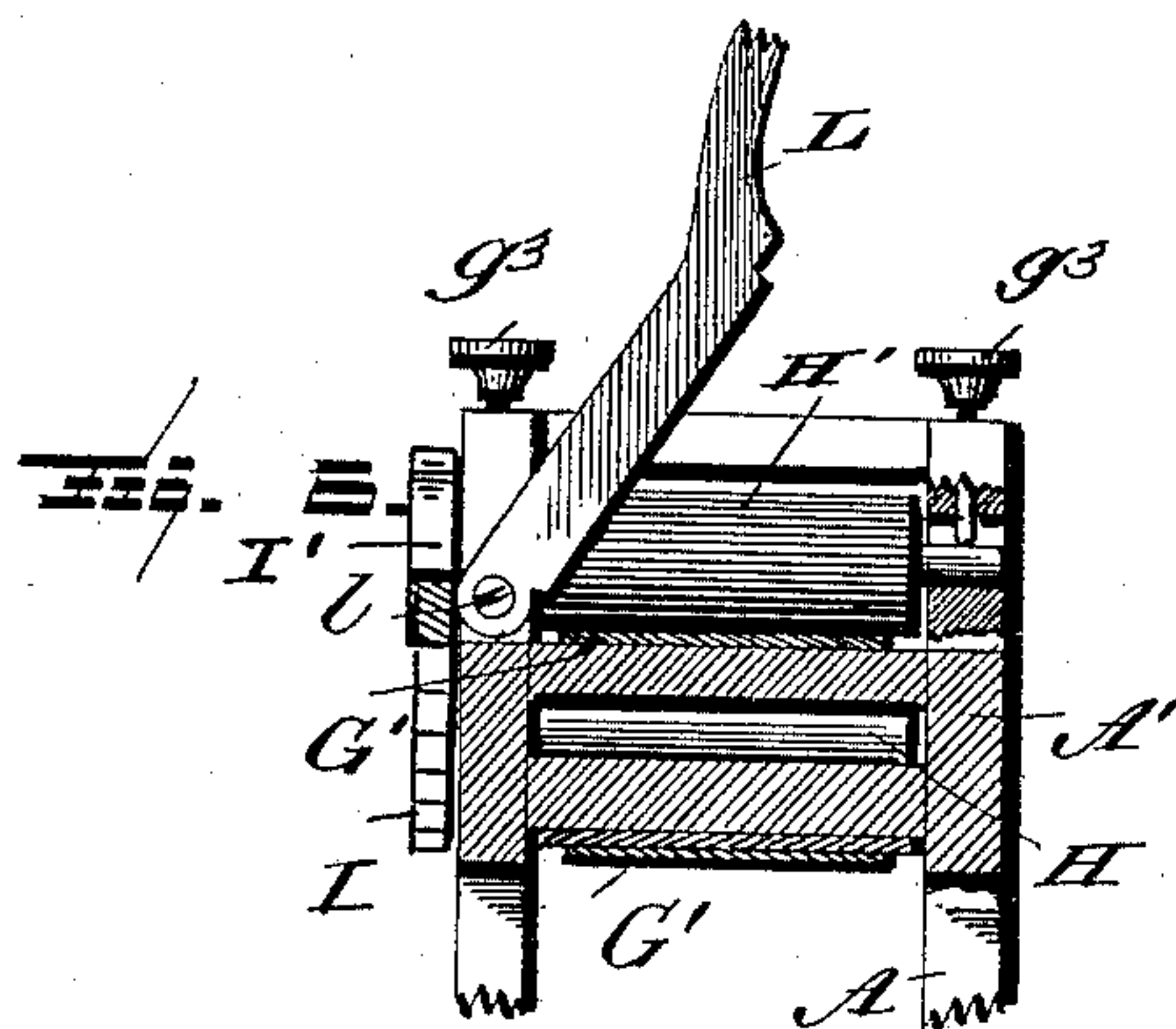
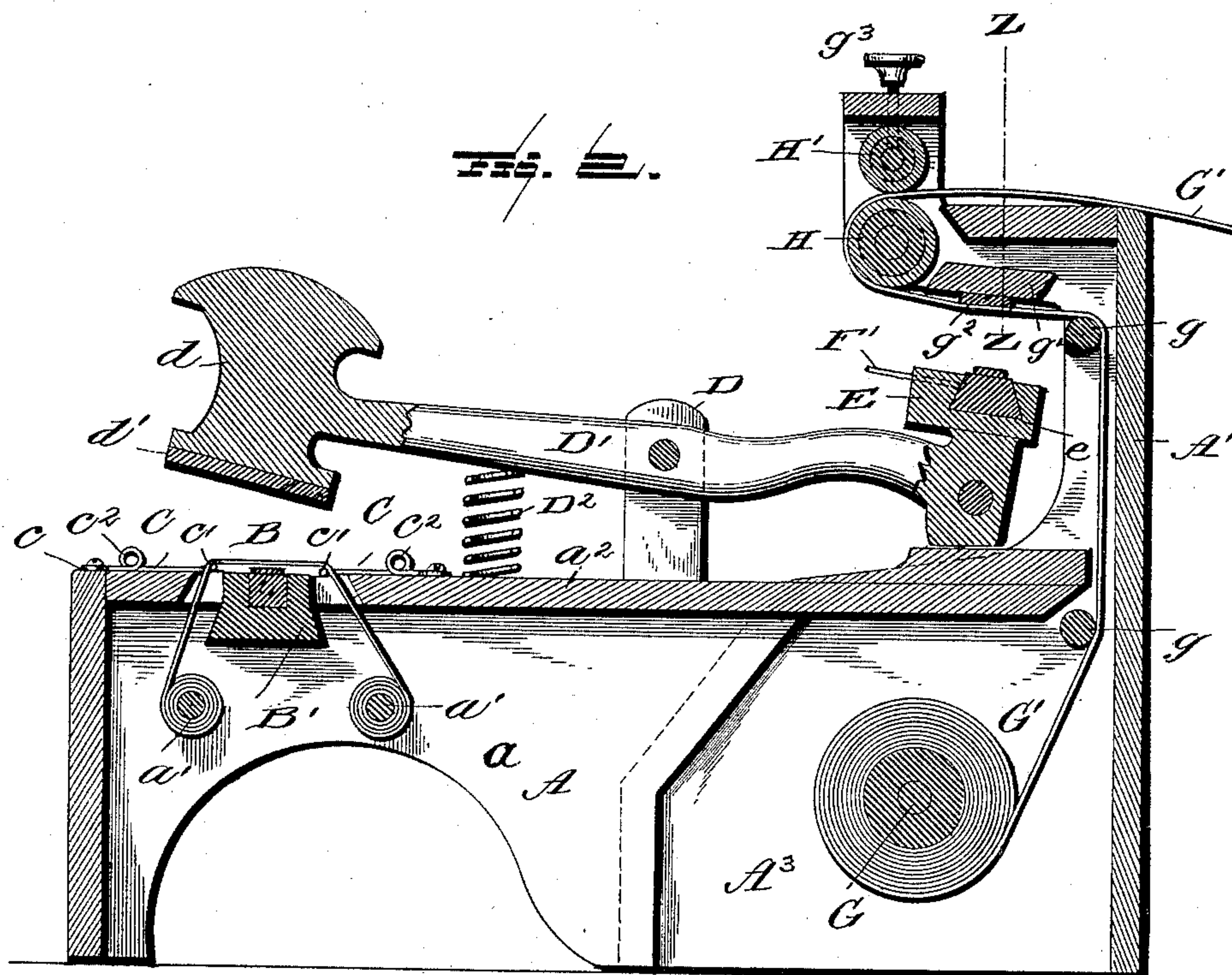
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UNITED STATES PATENT OFFICE.

EDWARD F. ANTROBUS, OF ARNOLD, ILLINOIS.

TICKET-REGISTER.

SPECIFICATION forming part of Letters Patent No. 462,072, dated October 27, 1891.

Application filed July 11, 1891. Serial No. 399,113. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. ANTROBUS, a citizen of the United States, residing at Arnold, in the county of Morgan and State of Illinois, have invented certain new and useful Improvements in Ticket-Registers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in devices for keeping an account of the tickets sold, the style of ticket sold, their destination, and the amount paid for each ticket. The device is designed more particularly for use by railroads, but of course it may be employed for all other purposes for which it is applicable.

It has for its objects, among others, to provide a simple, cheap, and efficient machine for this purpose which shall be durable, and in which provision is made for the ready removal of any or all of the parts for the purpose of repair, which shall be adjustable for wear, neat in appearance, not liable to get out of order, and so simple in its operation as to be readily understood and operated by any one. The device will keep a full register of the tickets sold during the day or any given time and a record of the style of tickets, whether round trip, single trip, or excursion, as well as the amount paid for each and every ticket.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of my improved device. Fig. 2 is a vertical longitudinal section through the same. Fig. 3 is a top plan of the register-block and its holder detached. Fig. 4 is an end view of the dater. Fig. 5 is a top view thereof. Fig. 6 is a vertical cross-section on the line $z z$ of Fig. 1.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the support of the device, which is in the form of a case which may have any desired contour, being preferably of substantially the form shown. At one end it is provided with a vertical extension A', from which are supported the rollers, hereinafter described. This support or case is provided near one end with a chamber a , in which are arranged the rollers a' , suitably journaled in the side walls thereof, as seen in Figs. 1 and 2, and over which the inking-ribbon B passes, as clearly seen in Fig. 2. The ribbon passes through suitable openings in the top a^2 of the case, as seen best in Fig. 2, and in suitable dovetail recess extending transversely of the device between the said openings is arranged the removable date-carrying block B', which is designed to be slid therein from one end, and in which block is arranged the type or other devices carrying the date desired, the latter being removably held in place in any suitable manner, as by a set-screw b , which is arranged at the end of the block and designed to bear upon the type to hold the same firmly in position, but permit its ready removal when desired to change the date. The shafts of the rollers a' are provided with thumb-screws b' , by which they may be turned to loosen the ribbon when desired. The ribbon, after it passes through the holes in the top of the case, passes over the spring-holders C, which are clearly shown in Figs. 1, 2, and 4. Each holder consists of a piece of wire of suitable size and strength, with its ends formed into eyes c , through which suitable securing means may pass to secure it to the top of the case, and between its cross-bar or portion c' it is provided with coils c^2 , as seen in the said views. The ribbon is thus held down with an elastic force, and when it is desired to change the date one of the thumb-screws is turned to loosen the ribbon, when the spring of the holders will draw the ribbon up away from the date, as seen in Fig. 4, so that it will not be necessary to handle the ribbon with the hands. When the date has been changed, the turning of the screw will draw the ribbon and holders down to their normal position, as seen in Fig. 2.

Between suitable uprights D on the case is pivoted the lever D', which at one end is provided with an enlargement d , as seen in Figs. 1 and 2, the upper face of which may be rounded to form a suitable means for depressing this end of the lever by the hand, while its under face carries a felt, rubber, or analogous facing d' , which is arranged directly over the date, as seen in said Figs. 1 and 2. A suitable spring D² is arranged beneath the said lever, between its pivot and the end, as seen in Figs. 1 and 2, to normally keep this end elevated. The other end of this lever carries a block E, which is provided with a transverse dovetail recess e , into which is designed to be removably inserted the register-block F, as seen in Figs. 2 and 3. This register-block has upon its upper face the name of the place to which the ticket is sold in three or more times, and for a single trip there is placed against one of the names the letter "S," designating a single trip, and "12," denoting the price of said ticket. Against one of the names is placed a letter "X," which is understood to stand for an excursion ticket, the price of which is always the same, and may or may not be designated by the corresponding numeral or numerals therefor. Against another is placed the letter "R" for round trip, and the price—for instance "22," denoting that the price paid for the round-trip ticket was twenty-two cents. Of course the price-marks will have to be changed for each place, and other designating characters than those named may be employed for that purpose. The register-block may be provided with a suitable handle or eye, as shown at e' , for an aid in handling the same, and which may also serve as a convenient means for hanging it up when not in use. Of course there will be a register-block for each station on the road. The register-block is held in place in the following manner: Along one edge it is provided with as many notches e^3 as the name appears on the block, and F' is a spring-lock secured at one end to the block E and formed with a substantially V-shaped bend f' , which works through a slit in the side of the block E, as seen in Fig. 3, being provided with an extended end to form a handle f^2 , by which it may be operated. When it is desired to change the register-block, it is only necessary to pull outwardly on the handle of the spring, so that its bent portion will be disengaged from the notch of the register-block, when it can be moved or removed, as may be desired.

The case A is formed with a chamber A³, within which is journaled the roller G, upon which is wound a web of paper G', one end of which is led upward, passing over the guide-rollers g , which are suitably journaled in the case, as seen in Fig. 2, and thence forward under the table g' and back over the roller H and between the same and the upper roller H', which rollers are suitably jour-

naled in the extension of the frame or case and by which the web of paper is fed forward, as will soon appear. A strip of proper material, as felt or rubber g^2 , is secured to the under side of the table, as seen in Fig. 2. The rollers H and H' are carried by pintles journaled in bearings, as seen in Fig. 5, and held down by the set-screws g^3 , so that they may be adjusted as they become worn. On the shaft of the lower roller is a ratchet-wheel I, with which engages a gravity-pawl I', pivoted to the extension of the case, as at i , and designed to prevent retrograde movement of the said ratchet-wheel. Another pawl J is carried by the inner end of the lever D' and is arranged to engage the ratchet-wheel to cause it to revolve one notch every time the lever is depressed to date a ticket. It has a tail-piece j , which is acted upon by a spring j' , affixed to the case to keep the pawl to its work. The shaft of the roller G is extended upon one side of the case which it is acted upon by a spring J², to keep the paper taut thereon.

The extension of the case may be braced by the inclined brace K, as seen in Fig. 1. The side of the case opposite the roller that carries the web of paper may be hinged as shown at j^3 , to afford access thereto when desired.

L is a knife or cutter hinged to the case, as shown at l , and is for the purpose of cutting off the paper at any time desired.

The operation will be readily understood. Any common ticket that is used by any railroad company is placed right side up over the dater at the front end of the machine, and at the same time take the register-block for the place for which you are selling the ticket, ink it, and place it in the block, as seen in Figs. 1 and 2, and then press down upon the front end of the lever, give the ticket to the purchaser and all is done. As the date is impressed upon the ticket there is impressed upon the web of paper at the other end of the device by the upward movement of that end of the lever the name of the place to which the ticket is sold and the other data that may be upon the register-block, whether single, round-trip, or excursion ticket. It will thus be seen that with little trouble, labor, or expense I record or register all that a railroad company desires to know about the tickets sold.

The device is simple, cheap, easily operated, and not liable to get put out of order.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

1. The combination, with the case and the date-block, of the removable dates, the ribbon carried by rollers within the case and having tightening-screws, and the spring-holders secured at one end to the case and provided with coils, and cross-bars over which the rib-

bon passes after it emerges from the case, as set forth.

2. The combination, with the pivoted lever, of the block carried at one end thereof, the 5 removable and adjustable notched register-block supported therein, and the spring-holder for retaining the register-block in place, as set forth.

3. The combination, with the block, of the 10 register-block having notches, and a spring having a portion bent to engage said notches, as set forth.

4. The combination, with the block, of the 15 register-block having notches upon one side, and the spring secured to the first-mentioned block and having a bent portion working through a slit in said block and designed to engage said notches, as and for the purpose specified.

20 5. In a device for the purpose specified, a register-block having tapered sides and notches upon one of said sides, combined with the block-holder having transverse dovetail

recess, and a spring-lock for the said block, substantially as and for the purpose specified. 25

6. The device described, consisting of the case, the dater, and inking-ribbon and its spring-holders, the feed-rollers, the paper-roller, the spring-actuated pivoted lever, the 30 register-block carried by one end thereof, the ratchet-wheel, the pawl carried by the lever and engaging said ratchet-wheel, the pivoted pawl for preventing retrograde movement of the ratchet-wheel, the spring acting upon the tail piece of the first-mentioned pawl, and the 35 spring acting upon the shaft of the paper-roller, all substantially as shown and specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence 40 of two witnesses.

EDWARD F. ANTROBUS.

Witnesses:

ANDREW EAGAN,
N. C. ANTROBUS.