J. J. MOUAWAD.

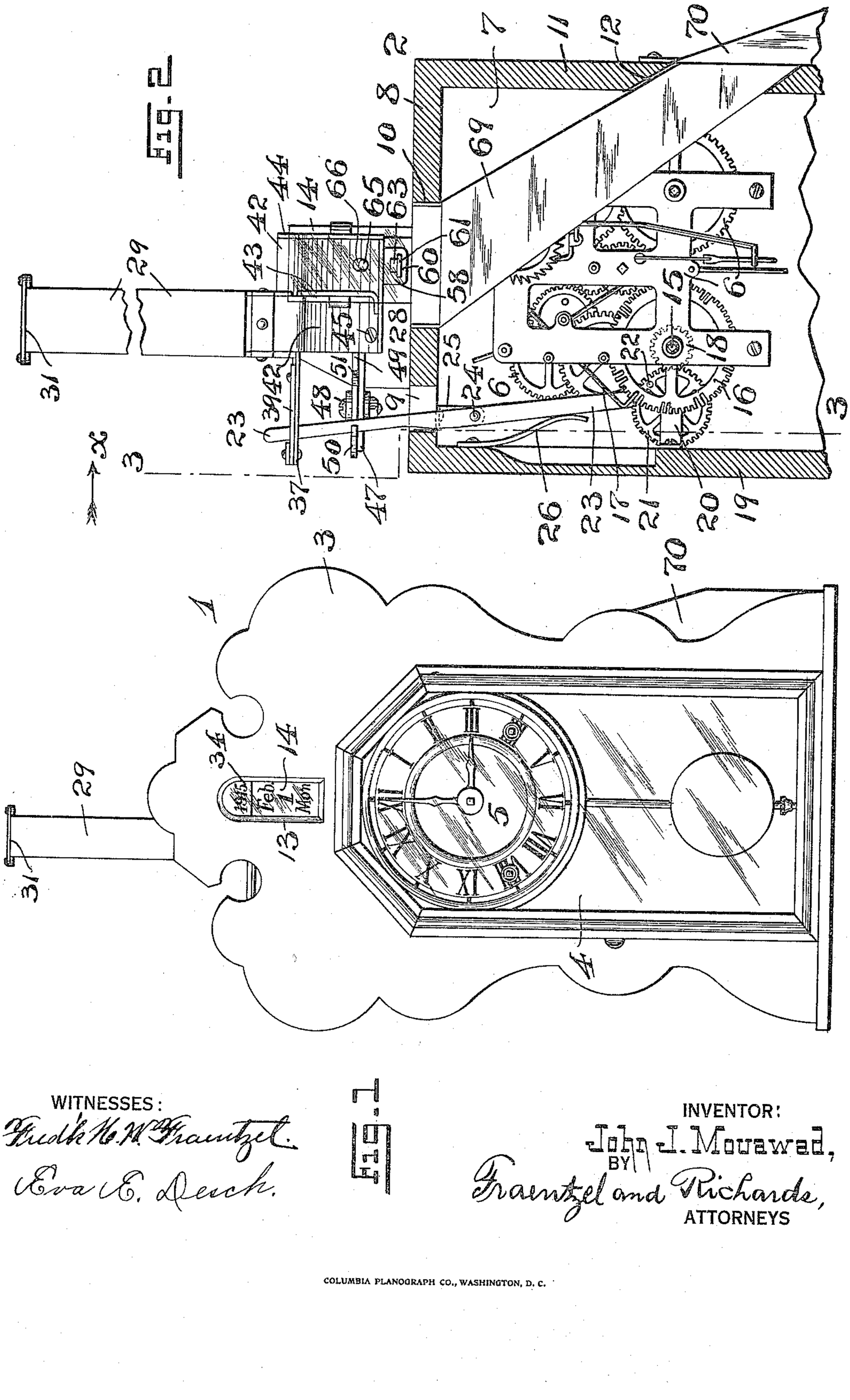
EXHIBITOR.

APPLICATION FILED MAR. 3, 1915.

1,155,083.

Patented Sept. 28, 1915.

4 SHEETS—SHEET 1.



WITNESSES:

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4 SHEETS—SHEET 2.

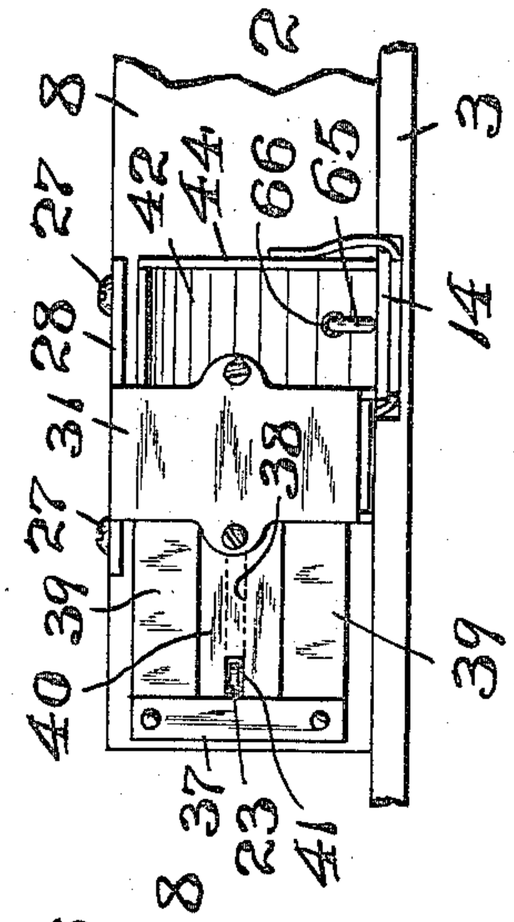

Fig. 4

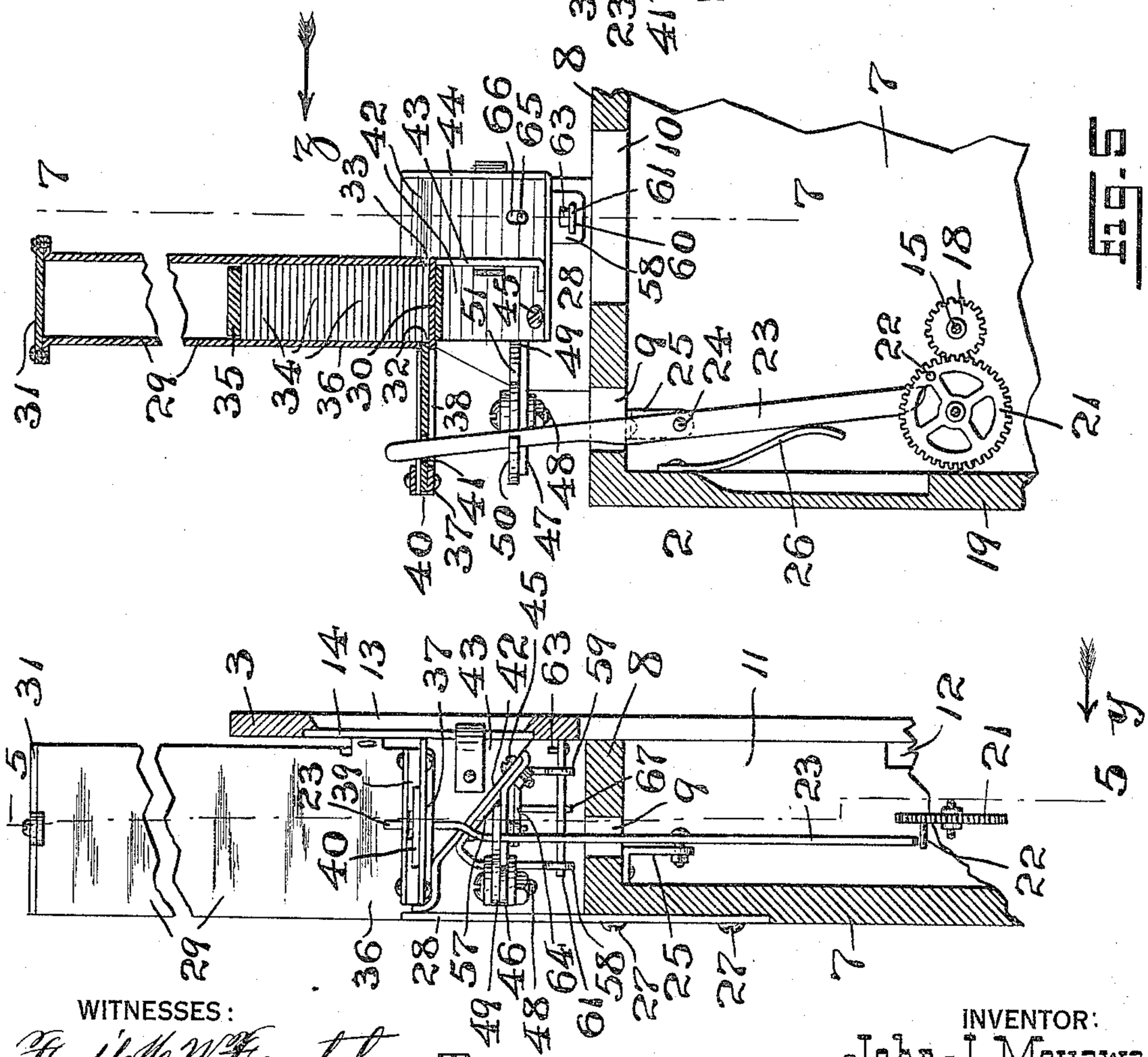

Fig. 5

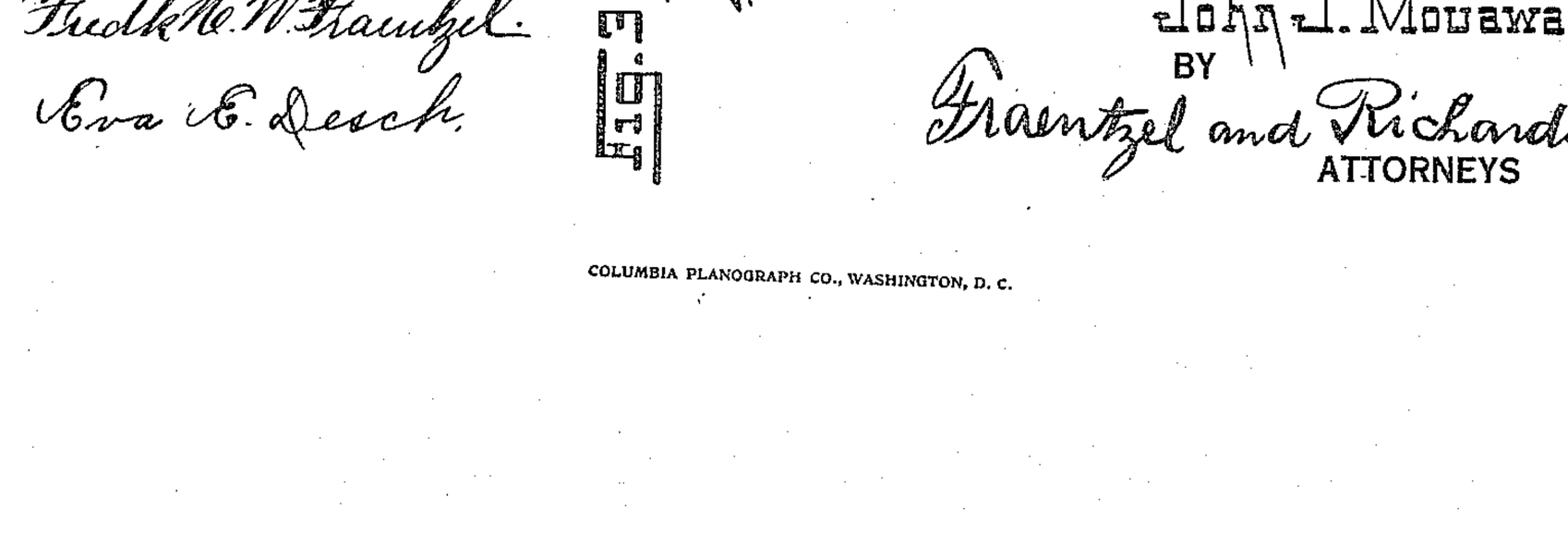

Fig. 6

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4 SHEETS—SHEET 3.

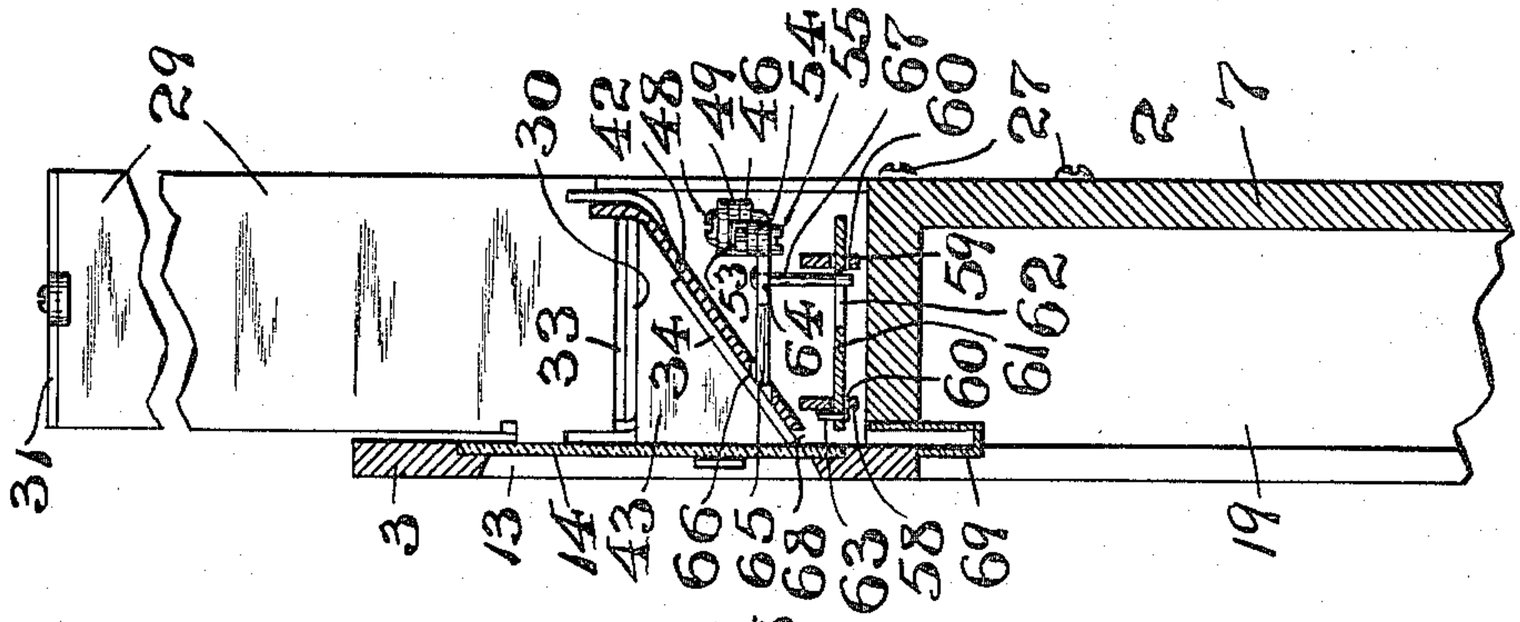

Fig. 8

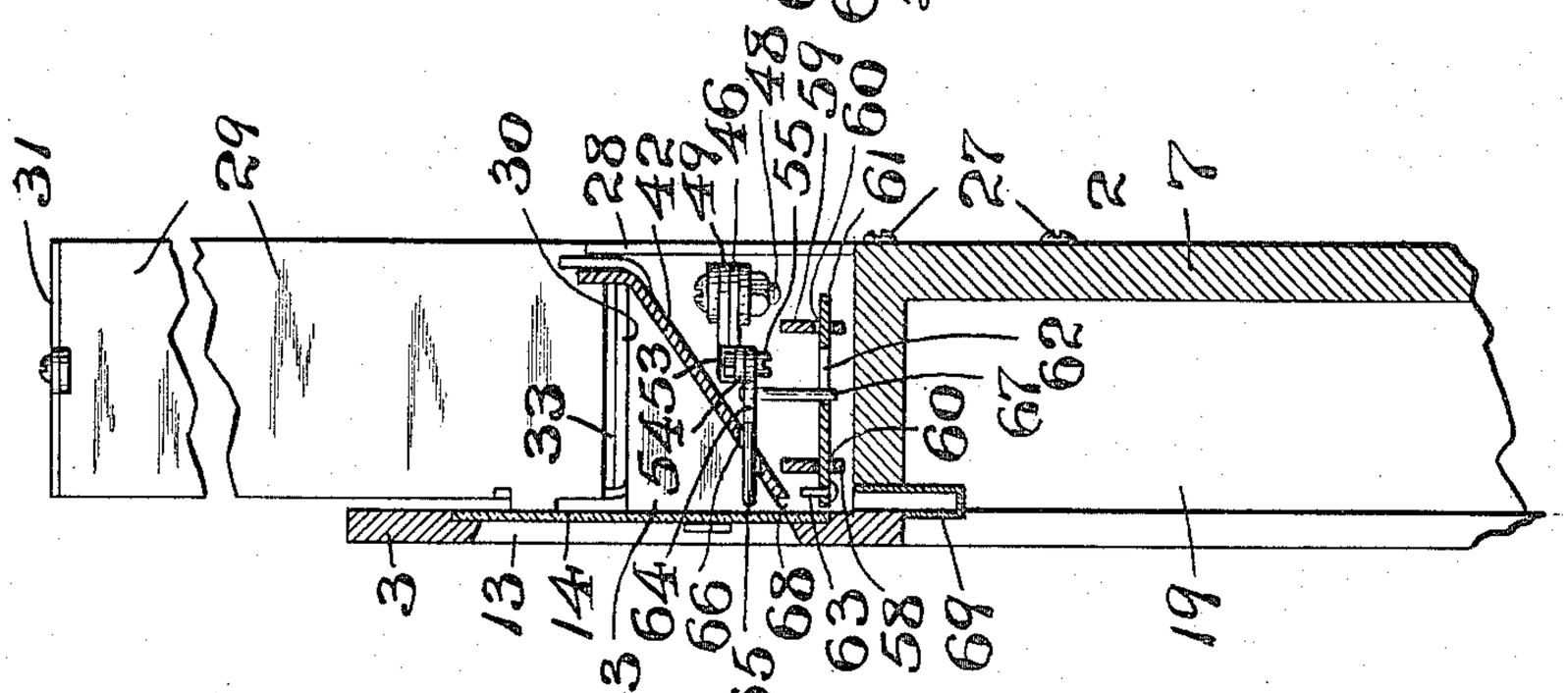

Fig. 7

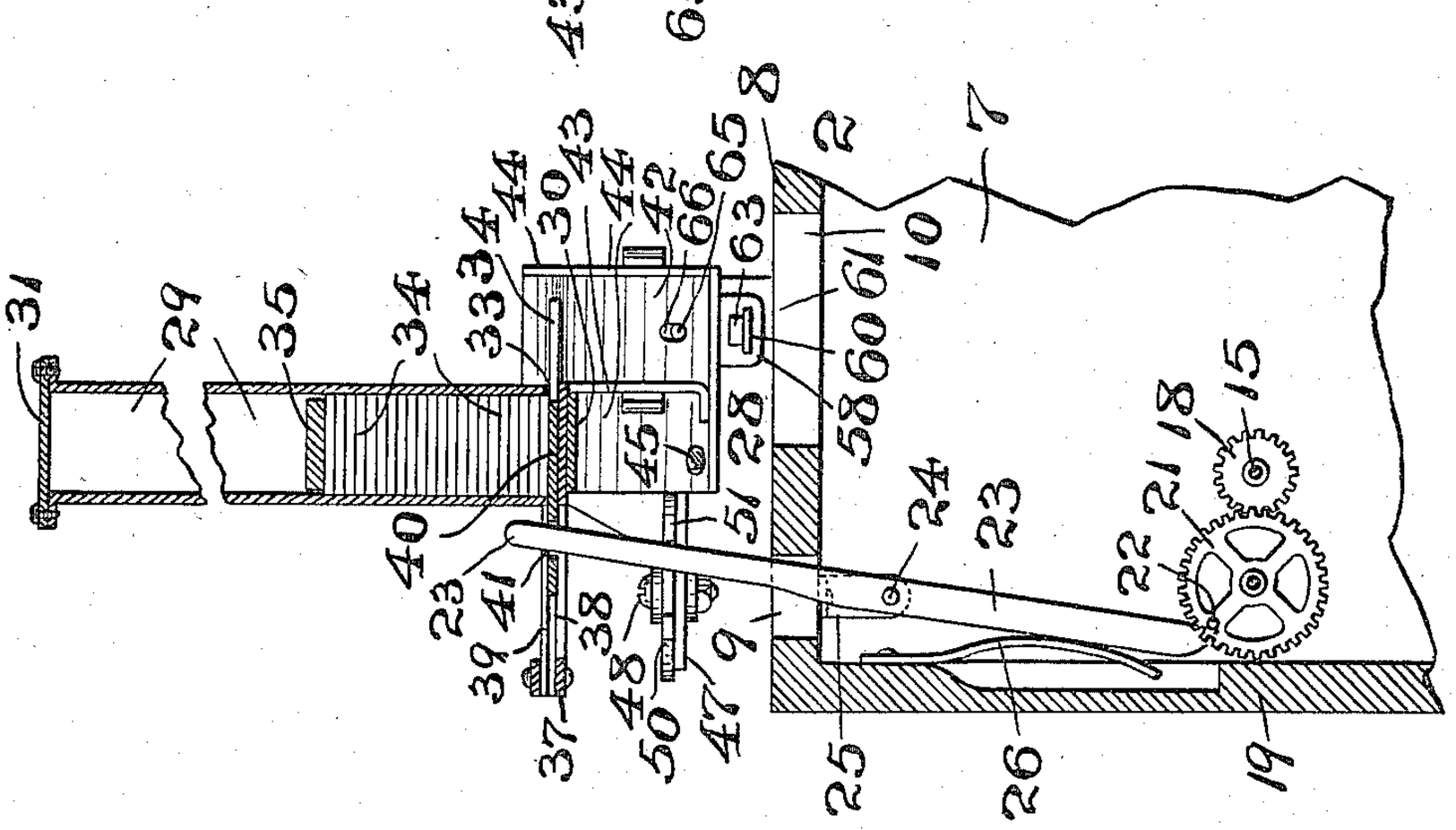

Fig. 6

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4 SHEETS—SHEET 4.

Fig. 9

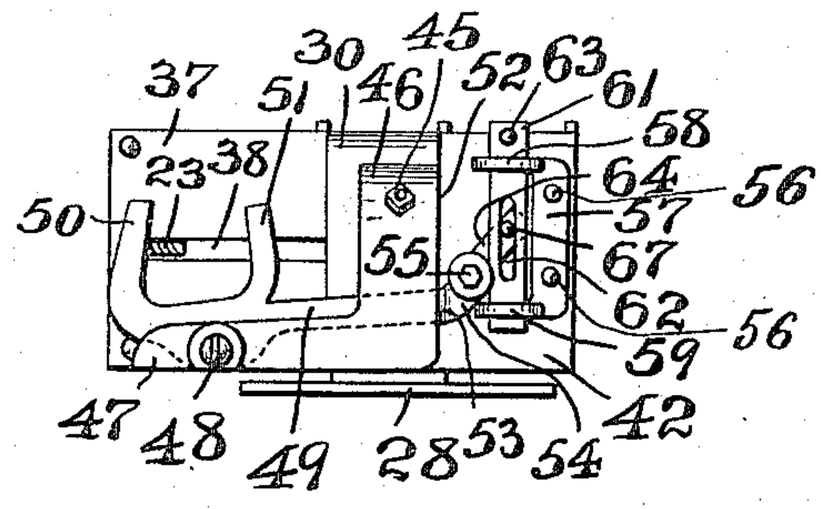

Fig. 10

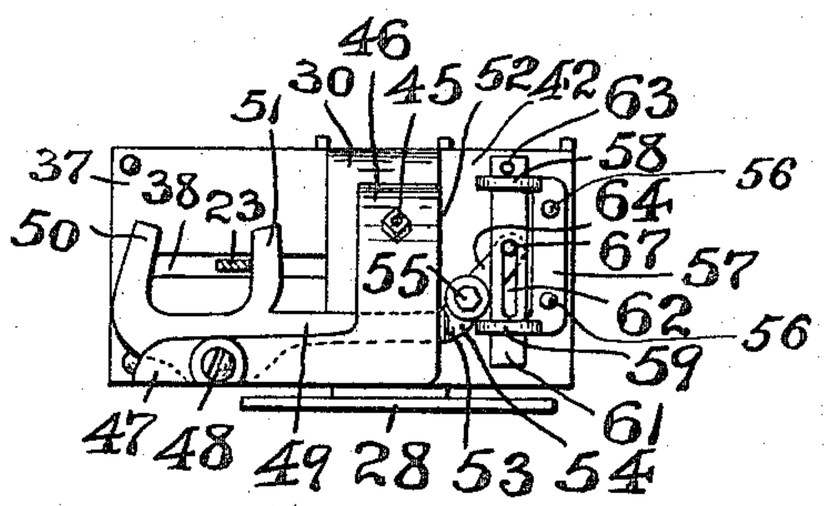

Fig. 11

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UNITED STATES PATENT OFFICE.

JOHN J. MOUAWAD, OF NEWARK, NEW JERSEY.

EXHIBITOR.

1,155,083. Specification of Letters Patent. Patented Sept. 28, 1915.

Application filed March 3, 1915. Serial No. 11,711.

To all whom it may concern:

Be it known that I, JOHN J. MOUAWAD, a subject of the Sultan of Turkey, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Exhibitors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

This invention has reference to improvements in exhibitors; and, the present invention relates, generally, to a novel exhibitor in the form of a calendar-attachment which may be used with clocks comprising a calendar-card presenting and delivering means which is actuated and controlled by the gear-mechanism of the clock, and which operates to present to view at a window in the clock-casing, the twenty-four hours of a day, a card upon which is indicated the year, month, date and day, the mechanism also operating, at the end of every twenty-four hours to remove such displaced card and replace it by another card upon which is indicated the next-succeeding date and day of the week.

The present invention, therefore, has for its principal object to provide a novel and simply-constructed, as well as efficiently operating card-delivering and presenting mechanism actuated from suitable gear-mechanism, as of any ordinary clock, and for use more especially as a means for indicating in consecutive order the months, dates and days of a year, the card-presenting mechanism being time-controlled in such a manner by the usual train of gearing, that a card is delivered and presented to view at the end of every twenty-four hours. It will be evident, however, from the following detailed description of the present invention, that with very slight changes, the card-delivering and presenting mechanism can be controlled and operated, so that cards may be successively delivered and presented at the reading-window during much shorter intervals of time, the cards in that case being capable of use for advertising purposes.

Other objects of this invention not at this time more particularly enumerated will be clearly understood from the following detailed description of the present invention.

With the various objects of the present invention in view, the invention consists, primarily, in a novel exhibitor of the general character hereinafter set forth; and, the invention consists, furthermore, in the novel arrangements and combinations of the various devices and parts, as well as in the details of the construction of the said parts, all of which will be more fully described in the following specification and then finally embodied in the clauses of the claims which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a front face-view of an exhibitor in the form of a calendar-clock made according to and embodying the principles of the present invention. Fig. 2 is a transverse vertical sectional representation of the upper portion of the clock-casing, showing in connection therewith and in front elevation, one general arrangement of the usual clock-mechanism, and a card-delivering and presenting means operated and controlled from the train of gearing of the said clock-mechanism. Fig. 3 is a vertical sectional representation taken on line 3—3 in said Fig. 2, looking in the direction of the arrow *x*, said view illustrating in side elevation the card-delivering and presenting means shown in Fig. 2; and Fig. 4 is a plan or top view of the said parts. Fig. 5 is a vertical sectional representation, taken on line 5—5 in said Fig. 3, looking in the direction of the arrow *y*, certain elements of the card-delivering and presenting means being shown in elevation, the various elements being represented in their normal or starting positions. Fig. 6 is a view similar to Fig. 5 of the drawings, said view representing the relative positions of the elements, at the time of moving a card into its preliminary position for presentation in front of the window. Fig. 7 is a vertical sectional representation of the mechanism, said section being taken on line 7—7 in said Fig. 5, looking in the direction of the arrow *z*, showing the parts in their normal initial positions; Fig. 8 is a similar section of the same parts, showing their relative

positions just prior to presenting the delivered card directly back of the window; and Fig. 9 is another similar section of the same parts, showing the relative positions of the said parts, with the delivered card pressed in a vertical position directly back of and against the window. Fig. 10 is a bottom view of the card-delivering and presenting mechanism, with the elements thereof represented in their normal initial positions; and Fig. 11 is a similar view of the same parts, with the elements thereof represented in their operated positions.

Similar characters of reference are employed in all of the above described views, to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference-character 1 indicates a suitable clock, comprising a main casing 2 and a face 3. In this instance, the face is provided with a glass-door, as 4, through which the dial 5 of the clock is exposed, the dial forming a usual part of any suitable clock-mechanism, as 6, which is suitablv secured upon the inner face of the back 7 of the main casing, substantially as illustrated in Fig. 2 of the drawings. The top 8 of said casing is provided with suitably disposed openings 9 and 10, and in one of its vertical sides, as 11, is an opening 12. In its upper portion, the face 3 is provided with an opening, as 13, back of which is a piece of glass 14 or other transparent material, to provide a window for the purposes to be presently more fully set forth. In the clock-mechanism or train of gears represented in said Fig. 2 of the drawings, the reference-character 15 indicates the usual spindle upon which is mounted the usual form of toothed wheel 16 with the peripheral teeth of which the usual striker-arm 17 of the clock-mechanism is in engagement in the usual and well-known manner. This toothed wheel 16 is geared with the remaining train of gears in such a manner that during every twenty-four hours it will make two complete revolutions. Suitably mounted upon the said spindle 15 is a small pinion, as 18, which of course during the same time will make the number of revolutions as the toothed wheel 16. Extending from the inner face of the vertical side 19 of the clock-casing is a bracket, as 20, which carries a toothed wheel or gear 21. The proportion of this toothed wheel or gear 21 to the pinion 18, with which it is in mesh, is two to one, so that while the pinion 18 makes two revolutions during each twenty-four hours, the said toothed wheel or gear 21 will make but one complete revolution during the same number of hours. Extending laterallv from the rim of said toothed wheel or gear 21, and at the proper location, is a suitablv formed projection or pin, as 22, the purpose of which will be presently more fully explained. During each twenty-four hours, that is during each complete revolution of the said toothed wheel or gear 21, this projection or pin 22 is moved actively into sliding engagement with the edge of the lower arm-portion of a lever 23, which lever is fulcrumed upon a pin 24 mounted upon a bracket 25 suitably secured to and extending downwardly from the inner face of the top 8 of the clock-casing 2, substantially as shown in the several figures of the drawings. The upper arm-portion of the said lever 23 extends into and through the previously-mentioned opening 9 in the said top 8 to a point above the said top of the clock-casing 2. The rotation of the said toothed wheel or gear 21 and the sliding engagement of the projection or pin 22 upon the edge of the lower arm-portion of said fulcrumed lever 23, at the proper time, will cause said lever 23 to move from its normal initial position indicated in Figs. 2 and 5 to the position represented in Fig. 6 of the drawings, at the same time compressing a spring, as 26, suitably secured upon the inner face of the side 19 of the clock-casing 2, as will be clearly evident from an inspection of said Figs. 2, 5 and 6 of the drawings. As soon as the said lever 23 has been moved into the position represented in said Fig. 6, the said projection or pin 22 moves clear of the edge of the lower arm-portion of the lever 23, as will be clearly evident, at which time the said spring 26 is free to exert its pressure upon the opposite edge of the lower arm-portion of said lever 23, thus once more and rapidly causing said lever 23 to assume its normal initial position indicated in Figs. 2 and 5 of the drawings, in the path of the said projection or pin 22 and to be again actuated by the said projection or pin at the proper time, during the rotation of the said toothed wheel or gear 21. The purpose of this movement of the lever 23 is two-fold and will presently be more fully set forth.

Suitably secured upon the rear face of the back 7 of the clock-casing 2, by means of screws 27, or other suitable fastening means, is an upwardly extending and suitably formed support, as 28, carrying a card-receiving receptacle 29 of the general configuration shown. This receptacle, which is preferably of rectangular configuration, has a bottom 30 and a removable top 31 and in its sides, directly above the said bottom, it is provided with oppositely located openings, as 32 and 33. Stacked within this receptacle are cards 34 of any suitable material, the number of cards corresponding to the number of days in a year, and each card bearing upon its face designations, such as the year, month, date, and the day of a week.

A weight 35 may be arranged upon the top card of the stack, if desired.

Extending laterally from the side 36 of the receptacle 29, and directly beneath the opening 32 in said side 36, is a suitably formed platform or shelf, as 37, which is provided with an elongated opening or slot 38, into and through which the upper arm-portion of the previously mentioned lever 23 projects and is adapted to move back and forth in said opening or slot, when the lever 23 is actuated by the projection or pin 22 and the spring 26 in the manner herein-before stated. In its upper surface, the said platform or shelf 37 is made with a guide 39 in which is arranged a correspondingly formed ejector-plate or plunger 40. This ejector plate or plunger is provided with a suitably formed hole or opening 41 through which the upper arm-portion of the said lever 23 also projects, in order to produce a reciprocatory motion of the said plate or plunger 40 in said guide 39. From an inspection of Figs. 2, 5 and 6, it will be seen, that while the lever 23 is being actuated by the projection or pin 22, the said ejector plate or plunger 40 enters the opening or slot 32 and engages the lowest card 34 of the stack within the receptacle 29, and pushes the said card into and from the oppositely located opening or slot 33, substantially as shown in said Fig. 6 of the drawings. Suitably connected with the said support 28, so as to be located directly beneath the bottom of the receptacle 29 is an angularly disposed element, as 42, which extends beyond the side of the receptacle 29 in which the opening or slot 33 is formed. This laterally extending portion of said element 42 is provided with two vertical wall-like members 43 and 44, placed such distance apart that a suitable card-receiver is provided to readily receive the card, which is ejected from the opening or slot, between the said wall-like members 43 and 44 and upon that part of the inclined surface-portion of the element located between said wall-like members, in the manner represented in Fig. 8 of the drawings. From an inspection of Figs. 7, 8 and 9 it will be seen, that this card-receiver thus provided is located directly back of the previously-mentioned window 14 and the opening 13 in the face 3. Also suitably secured to the under surface of said inclined element 42, by means of a screw 45, or other suitable fastening means, is a right-angled supporting bracket 46, the arm-portion 47 of which is provided with a pivot, preferably in the form of a screw 48, and nut 49. Pivotally mounted upon said screw 48, so as to be oscillatorily disposed upon the upper surface of said arm-portion 47 is a link 49 which is provided at its one end-portion with a pair of forwardly extending extentions or fingers, as 50 and 51, said fingers providing a suitable yoke, between which the upper arm-portion of the lever 23 projects and intermittently engages the respective fingers 50 and 51, so as to intermittently oscillate the said link 49 for the purposes to be presently more fully set forth The other end-portion of the link 49 extends beyond the edge 52 of the main portion of the bracket 46, said end-portion of the link having a downwardly extending part 53, and a right-angled extension 54, which carries a pivot-pin 55. Suitably secured to the under surface of that part of the inclined element 42, forming the above-mentioned card-receiver, by means of rivets 56 or other suitable fastening means, is a plate 57, formed with a pair of downwardly extending supporting members or arms 58 and 59. The said members or arms 58 and 59 are provided near their lower end-portions with oppositely placed slots or openings 60, in which is slidably supported a slide 61. This slide is provided with an elongated opening or slot 62, located between said members or arms 58 and 59, and upon its end-portion, which projects beyond the said member or arm 58, it is provided with an upwardly extending projection 63. Pivotally connected with the previously-mentioned pivot-pin 55 is a plate or bar, as 64, which terminates in a finger 65, said finger 65 extending into and being movably disposed in a suitably shaped hole or opening 66 in the inclined base of the card-receiver, as shown in the several figures of the drawings. The previously-mentioned plate or bar 65 is also provided with a downwardly extending finger or post, as 67, in alinement with the elongated opening or slot 62 in the slide 61, the lower end-portion of said finger or post projecting into said opening or slot 62, and being slidably disposed therein, so as to intermittently engage with the end-bounding portions of the said opening or slot 62 and thereby intermittently move the slide 61 forwardly and backwardly at the proper times in the bearing-portions 60 of the members or arms 58 and 59.

As will be seen from an inspection of Figs. 7, 8 and 9 of the drawings, the lower marginal edge-portion of the inclined bottom of the card-receiver lies slightly behind the window 14 so as to provide a laterally extending card delivery opening or slot 68, which is located in registration above the receiving opening of a chute 69. This chute has its respective end-portions arranged and suitably secured in the openings 10 and 12 of the top 8 and side 11, respectively, and the lower end-portion of said chute communicates with a suitable box or receiver, as 70, upon the outside of the vertical side 11, and located directly behind the projecting portion of the face 3 of the clock-casing 2.

Having in the foregoing described the general arrangements and combinations of the several devices and parts, as well as the

details of the construction of the said parts, I will now set forth, briefly, the general operations of the said devices and parts.

Suppose the various devices and parts are in the positions indicated in Figs. 2 and 5 of the drawings:—The required number of cards are stacked in the card-receiving receptacle 29, say 365 cards, corresponding to the number of days in a year, or in case of a leap year 366 cards, and the clock-work or train of gears is started. During each single rotation of the toothed or gear-wheel 21, the projection or pin 22 moves the lever 23 from the position indicated in Figs. 2 and 5 to the position represented in Fig. 6. This movement of the said lever, in operating the mechanisms above stated, ejects the lowest card 34 from the receptacle 29 upon that portion of the inclined element 42 located between the wall-like members 43 and 44, when the card rests for an instant, in the manner shown in Fig. 8 of the drawings, the finger 65 in the meantime being withdrawn from the position indicated in Fig. 7 of the drawings to the position of the finger in said Fig. 8. Immediately upon the projection or pin 22 leaving the edge of the lever 23, the spring 26 returns the lever to its normal position indicated in said Figs. 2 and 5, thus withdrawing the ejector-plate or plunger 40 from within the receptacle 29, thereby allowing the next lowest card in the stack to drop into position for its ejection from the receptacle 29 into the card-receiver, at the proper time. Simultaneously with the withdrawal of the said ejector-plate or plunger, the finger 65 is returned to its former position indicated in said Fig. 7, and thus acts upon the back of the card 34, as will be evident, and raises the said card into a vertical position directly against the back of the window 14, where it is held in such position by the said finger 65 and the slide 61 upon which it rests, so that the reading matter upon the card can be read through the said window. In this position the card is held and exposed to view for twenty-four hours until the projection or pin 22 again actuates the lever 23, thus causing the finger 65 and the slide 61 to move away from the presented and exposed card, allowing the said card to drop into the chute 69 from which it passes into the box or receiver 70. The parts 65 and 61 have now once more been brought into the positions indicated in Fig. 8 of the drawings, and the ejector-plate or plunger 40 having, at the same time, again entered the receptacle 29, the lowest card is again forced from said receptacle into the card-receiver to rest upon its inclined bottom, and then to be immediately forced into its vertical position back of the window 14, as shown in said Fig. 9, in the manner herein-above described and for the purposes stated. After the card 34 has been properly exposed in its vertical position, see Fig. 9, the slide 61 and the finger 65 in due course of time are returned to the positions indicated in Fig. 8 of the drawings, thus permitting the card to drop into the chute 69 from which it passes into the receiver 70, as will be clearly evident.

From the foregoing description it will be seen, that at the end of every twenty-four hours another card is presented at the back of the window bearing the succeeding date.

Of course it will be clearly understood, that with slight changes, the lever 23 may be made to actuate the mechanism at shorter intervals of time, for oftener and more rapidly presenting cards back of the window, as for instance, in case the clock is to be used as an advertising clock, instead of a calendar clock.

I am also aware, that other changes may be made in the general arrangements and combinations of the various devices and parts, as well as in the details of the construction of the said parts, without departing from the scope of the present invention as set forth in the foregoing specification and as defined in the clauses of the claims which are appended to the said specification. Hence, I do not limit my present invention to the exact arrangements and combinations of the various devices and parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts, as illustrated in the accompanying drawings.

I claim:—

1. An exhibitor comprising a casing provided with a window, a train of gears within said casing, a receptacle mounted upon said casing in which cards bearing reading matter are stacked, said receptacle being provided in one side with a card-ejecting opening, an ejector having a portion extending into and movable in said receptacle for ejecting a card into the opening in the side of said receptacle, a card-receiver located at the side of said receptacle and in communication with said opening, said receiver being located also back of the window of said casing, and an angularly disposed element forming part of said card-receiver, and mechanism for raising an ejected card from said angularly disposed element vertically back of said window, both the said ejector and said mechanism being actuated from said train of gears.

2. An exhibitor comprising a casing provided with a window, a train of gears within said casing, a receptacle mounted upon said casing in which cards bearing reading matter are stacked, said receptacle being provided in one side with a card-ejecting opening, an ejector having a portion extending into and movable in said receptacle for ejecting a card into the opening in the side of

said receptacle, a card-receiver located at the side of said receptacle and in communication with said opening, said receiver being located also back of the window of said casing, and an angularly disposed element forming part of said card-receiver, and mechanism for raising an ejected card from said angularly disposed element vertically back of said window, both the said ejector and said mechanism being actuated from said train of gears, consisting of a pinion coöperating and actuated from said train of gears, a toothed wheel in mesh with said pinion, a projection extending from said toothed wheel, and a lever fulcrumed in said casing with which said projection is adapted to be brought into active engagement.

3. An exhibitor comprising a casing provided with a window, a train of gears within said casing, a receptacle mounted upon said casing in which cards bearing reading matter are stacked, said receptacle being provided in one side with a card-ejecting opening, an ejector having a portion extending into and movable in said receptacle for ejecting a card into the opening in the side of said receptacle, a card-receiver located at the side of said receptacle and in communication with said opening, said receiver being located also back of the window of said casing, and an angularly disposed element forming part of said card-receiver, and mechanism for raising an ejected card from said angularly disposed element vertically back of said window, both the said ejector and said mechanism being actuated from said train of gears, consisting of a pinion coöperating and actuated from said train of gears, a toothed wheel in mesh with said pinion, a projection extending from said toothed wheel, and a lever fulcrumed in said casing with which said projection is adapted to be brought into active engagement, for moving said lever in one direction, and a spring within said casing in engagement with said lever for returning said lever to its normal initial position.

4. An exhibitor comprising a casing provided with a window, a train of gears within said casing, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle above said casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a pinion coöperating with and actuated from said train of gears, a toothed wheel in mesh with said pinion, a projection extending from said toothed wheel, a lever fulcrumed in said casing with which said projection is adapted to be brought in active engagement for moving said lever in one direction and actuating said plunger to eject a card from said receptacle into said card-receiver, a spring within said casing in engagement with said lever for returning said lever and the card-ejecting plunger to their normal initial positions, and means also actuated from said lever for presenting the ejected card within the card-receiver in reading position back of the window.

5. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said recptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, and a card engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, and a time-controlled means for actuating said plunger and also said oscillatorily mounted link.

6. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, and a card engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a time-controlled lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link.

7. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, and a card engaging finger connected with said bar and movably disposed with the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link, a time-operated pinion with the casing, a gear in mesh with said pinion, and a projection upon said pinion for engagement with said lever to actuate the same.

8. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, and a card engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link, a time-operated pinion with the casing, a gear in mesh with said pinion, a projection upon said pinion adapted to be brought into sliding engagement with said lever for moving said lever in one direction, and a spring within the casing in engagement with said lever for returning said lever and the mechanisms actuated from said lever to their normal initial positions.

9. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, a card-engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a set of bracket-like arms extending downward from said inclined element, said arms being provided with bearing-portions, a card-supporting slide movably supported in the bearing-portions of said arms, said slide being provided with an elongated opening, a finger or post extending downwardly from said bar into said opening in the slide, and a time-controlled means for actuating said plunger, and also said oscillatorily mounted link.

10. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, a card-engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a set of bracket-like arms ex-

tending downward from said inclined element, said arms being provided with bearing-portions, a card-supporting slide movably supported in the bearing-portions of said arms, said slide being provided with an elongated opening, a finger or post extending downwardly from said bar into said opening in the slide, a time-controlled lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link.

11. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, a card-engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a set of bracket-like arms extending downward from said inclined element, said arms being provided with bearing-portions, a card-supporting slide movably supported in the bearing-portions of said arms, said slide being provided with an elongated opening, a finger or post extending downwardly from said bar into said opening in the slide, a lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link, a time-operated pinion within said casing, a gear in mesh with said pinion, and a projection upon said pinion for engagement with said lever to actuate the same.

12. An exhibitor comprising a casing provided with a window, a receptacle in which cards bearing reading matter are stacked, means for mounting said receptacle upon the casing, said receptacle being provided with a plunger-receiving opening and a card-ejecting opening, an inclined element connected with said receptacle-mounting means, said inclined element being provided with a card-receiver at the side of said receptacle back of the said window and beneath the said card-ejecting opening, a card-ejecting plunger slidably disposed in said plunger-receiving opening of said receptacle for ejecting a card from said receptacle into said card-receiver, a bracket connected with said inclined element, a link oscillatorily mounted upon said bracket, a bar pivotally connected with said link, a card-engaging finger connected with said bar and movably disposed within the card-receiver adapted to be brought into engagement with the ejected card in said card-receiver for bringing said card into reading position back of the window, a set of bracket-like arms extending downward from said inclined element, said arms being provided with bearing-portions, a card-supporting slide movably supported in the bearing-portions of said arms, said slide being provided with an elongated opening, a finger or post extending downwardly from said bar into said opening in the slide, a lever fulcrumed within said casing, said lever having portions in engagement with said plunger and also with said link for actuating both said plunger and said link, a time-operated pinion within said casing, a gear in mesh with said pinion, a projection upon said pinion adapted to be brought into sliding engagement with said lever for moving said lever in one direction, and a spring within the casing in engagement with said lever for returning said lever and the mechanisms actuated from said lever to their normal initial positions.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 1st day of March, 1915.

JOHN J. MOUAWAD.

Witnesses:

FREDK. C. FRAENTZEL,

FRED'K H. W. FRAENTZEL.