

G. F. RUSS.  
CAN LABELING MACHINE.  
APPLICATION FILED DEC. 2, 1908.

938,897.

Patented Nov. 2, 1909.

4 SHEETS—SHEET 1.

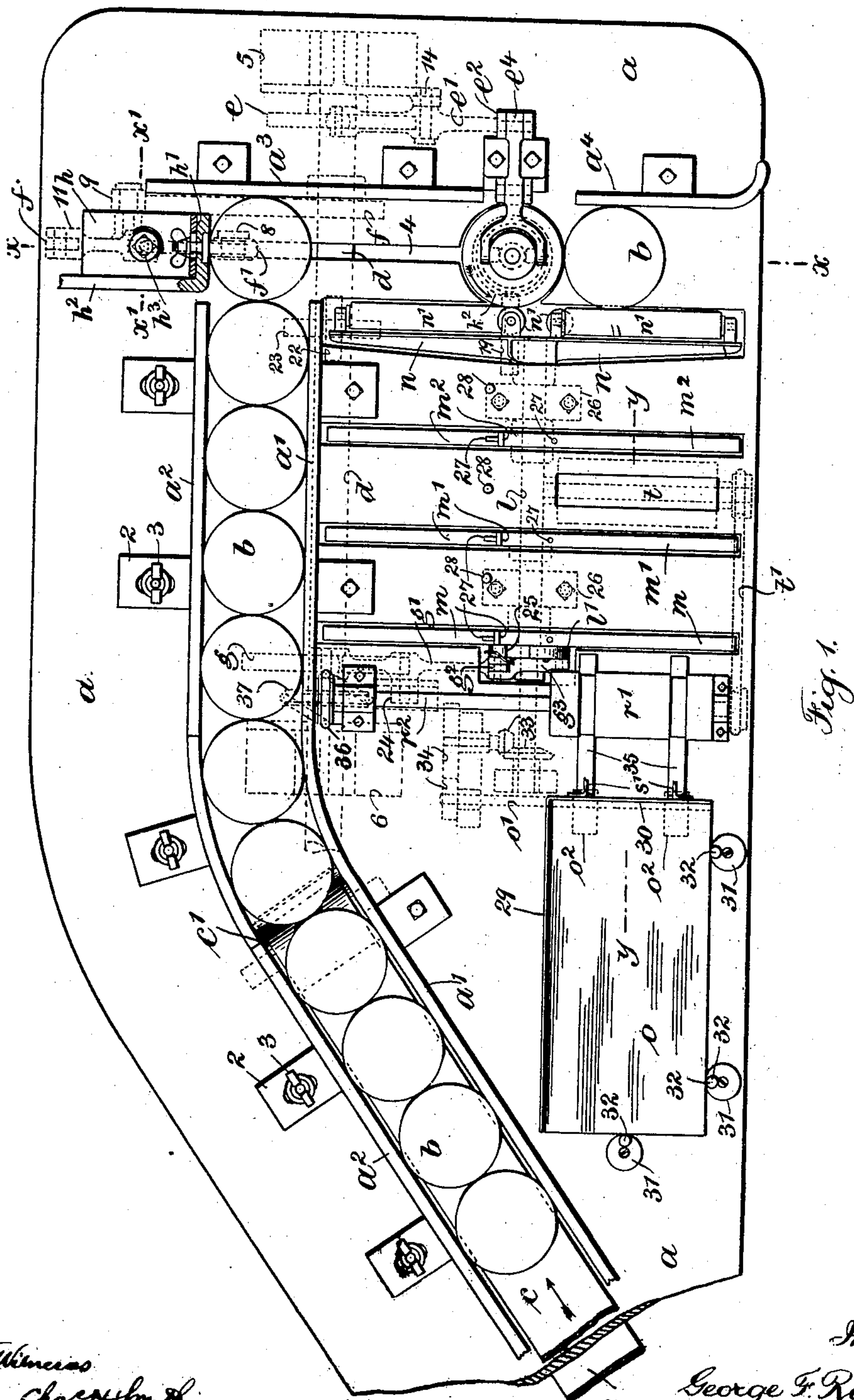


Fig. 1.

Witnesses  
Charles Smith  
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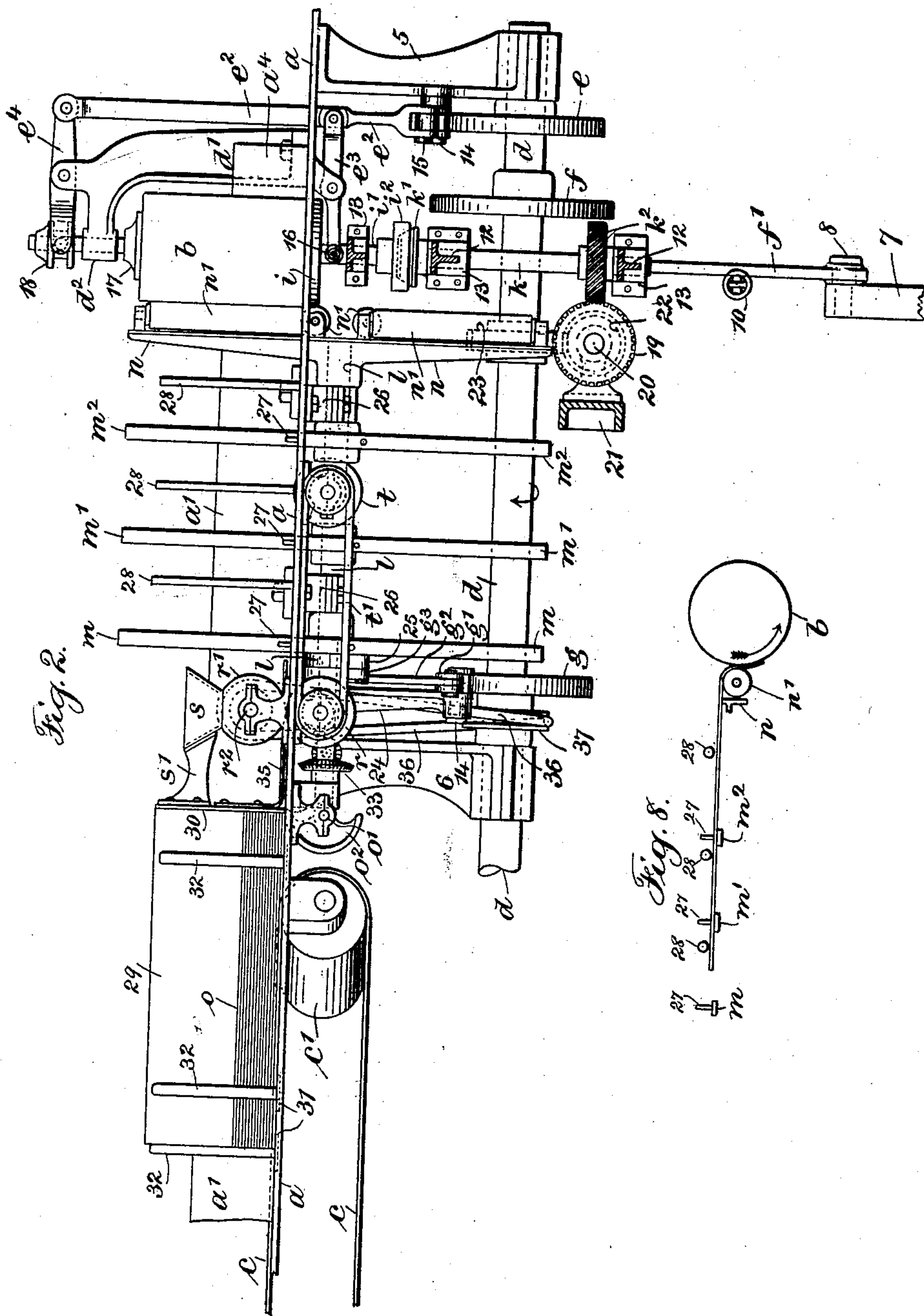
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4 SHEETS—SHEET 2.



Witnesses

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4 SHEETS—SHEET 3.

Fig. 3.

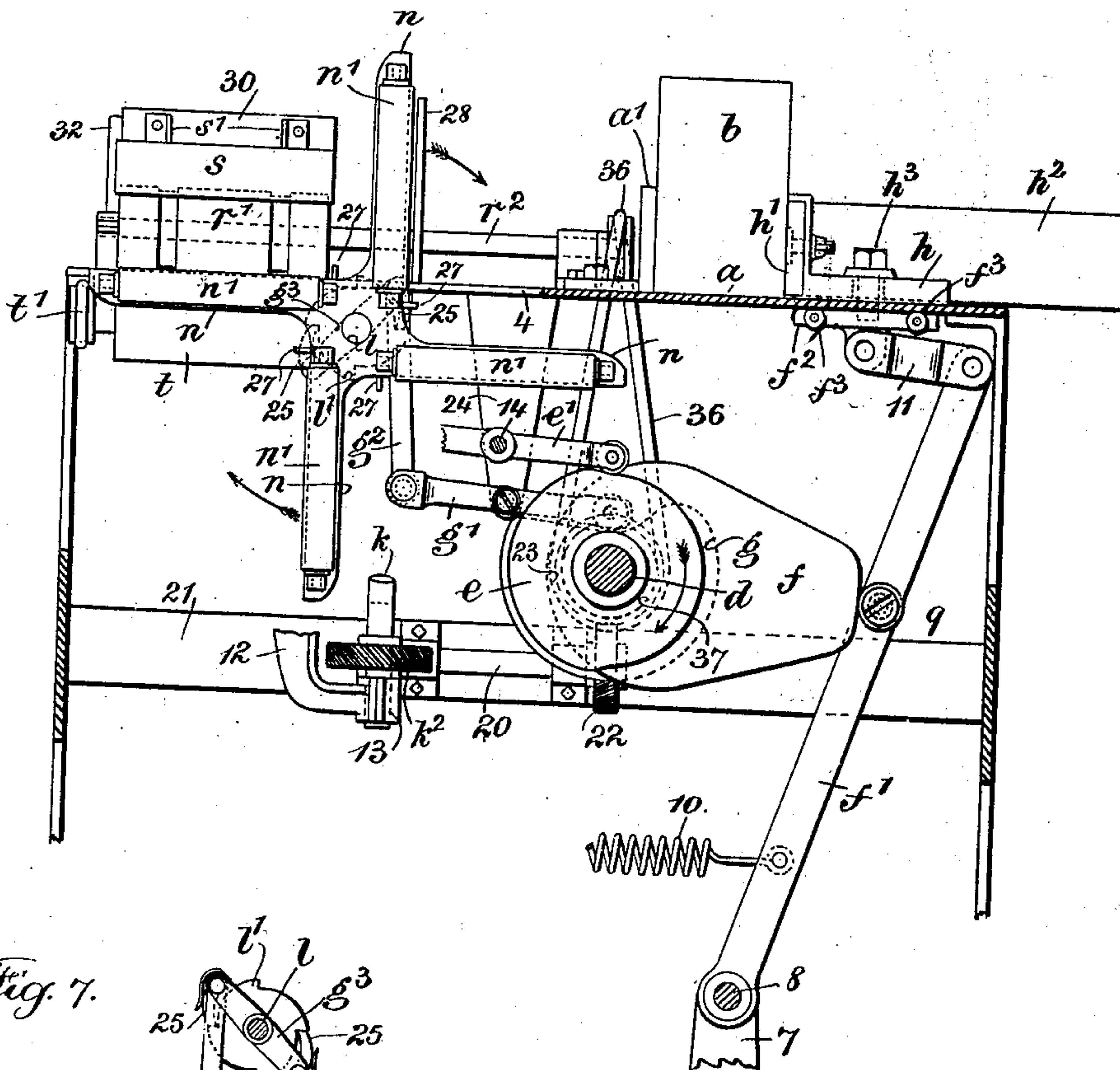


Fig. 7.

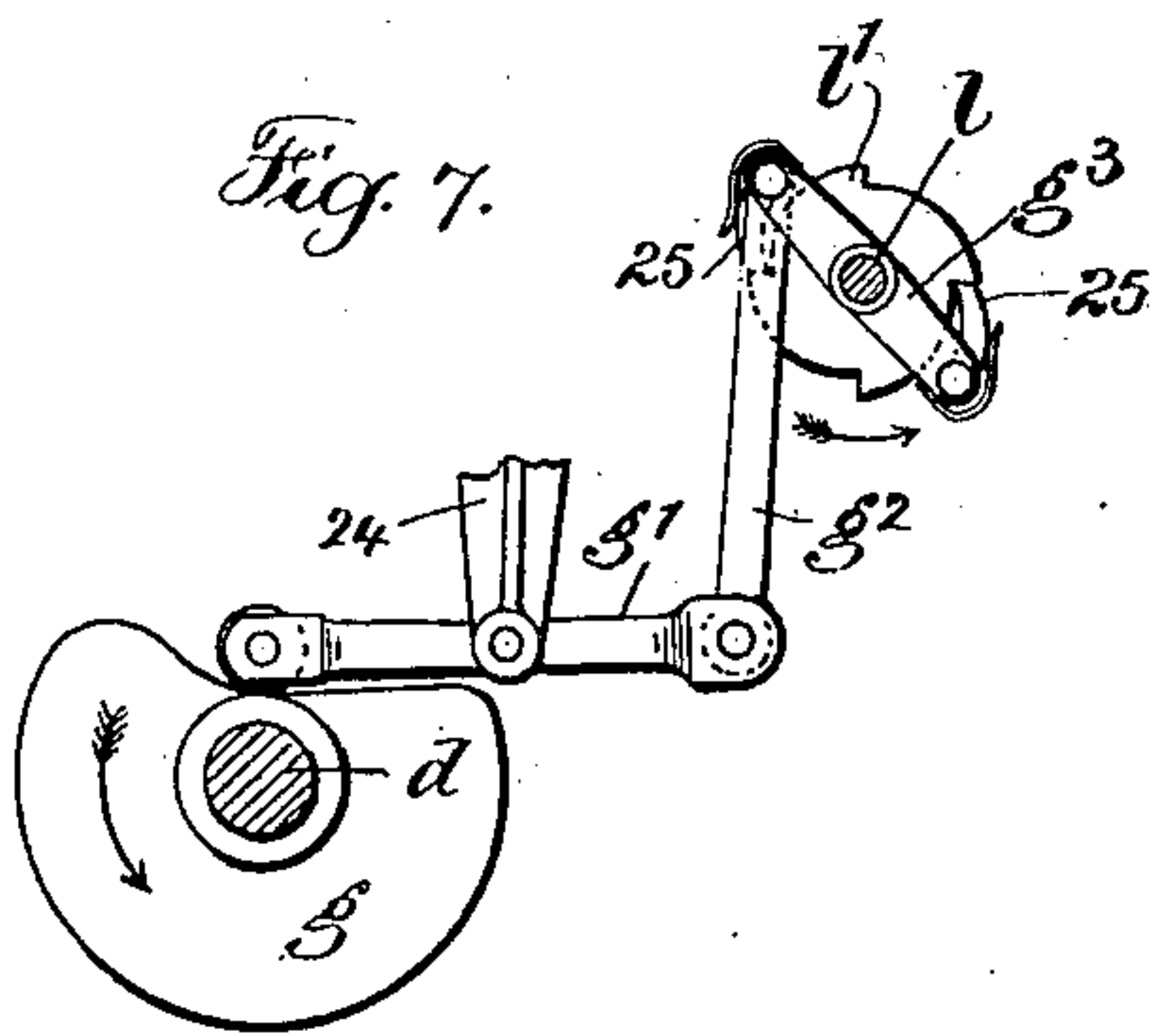
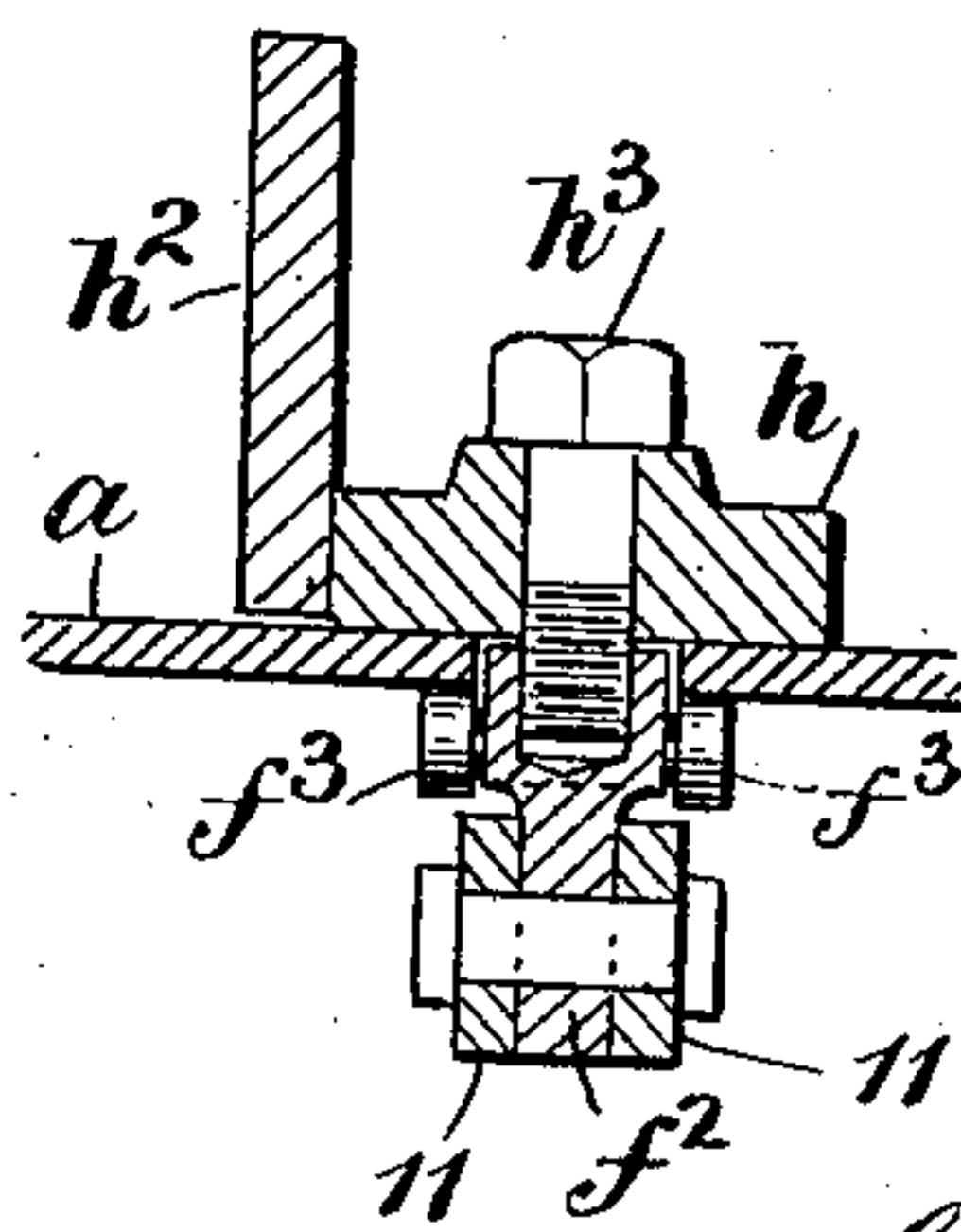


Fig. 5.



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4 SHEETS—SHEET 4.

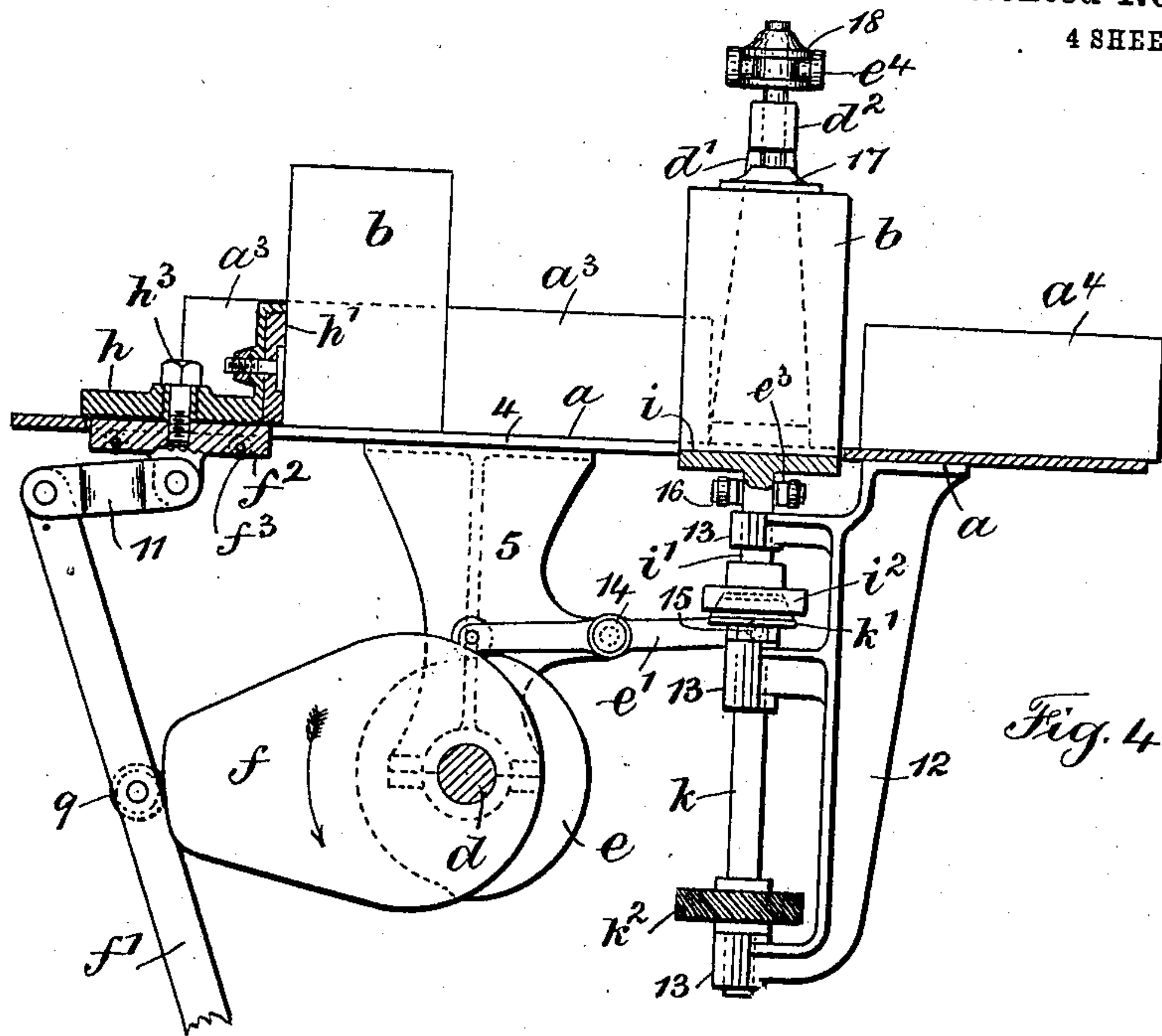


Fig. 4.

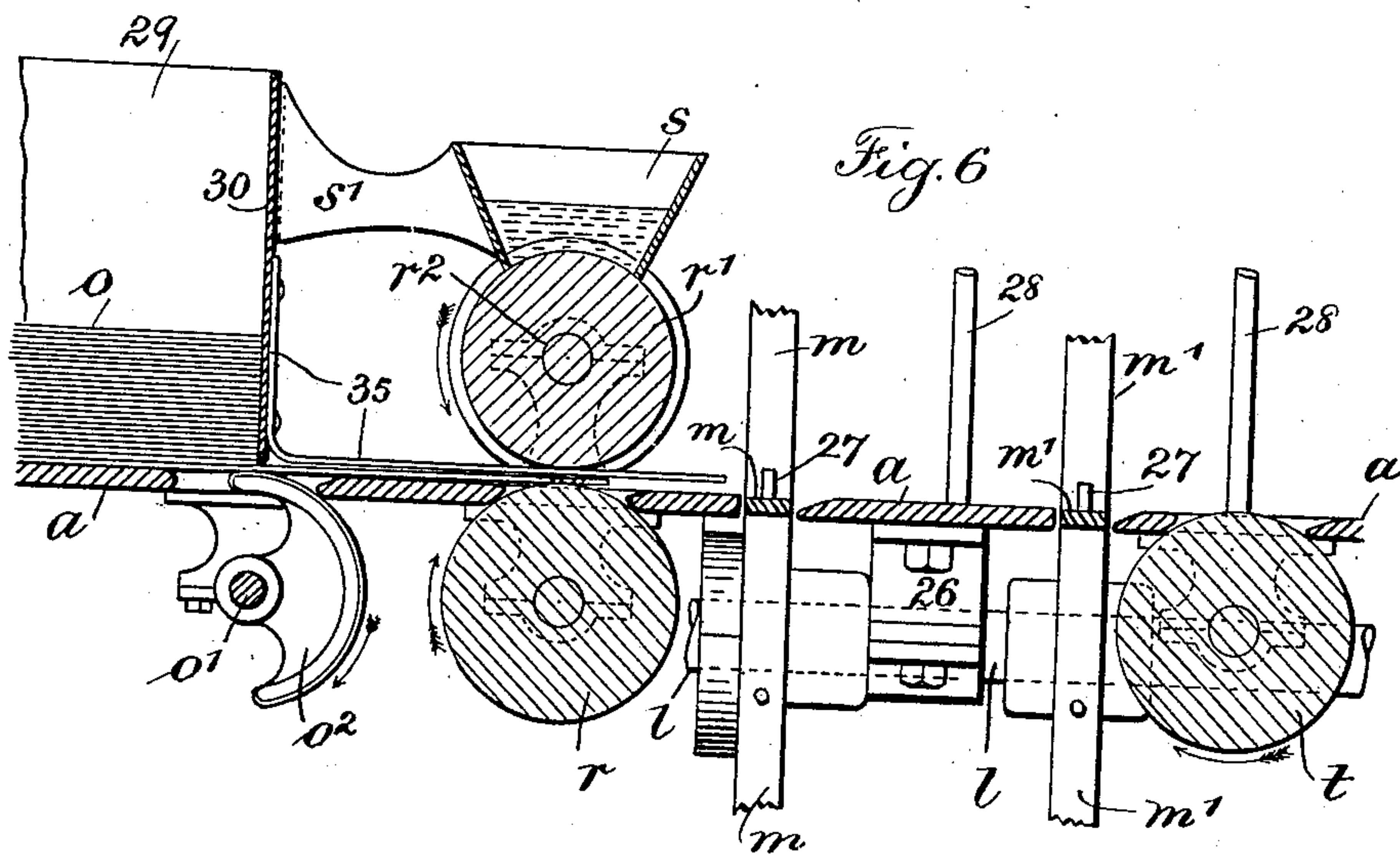


Fig. 6.

Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE F. RUSS, OF HOBOKEN, NEW JERSEY, ASSIGNOR TO RUSS AUTOMATIC LABEL-  
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## CAN-LABELING MACHINE.

938,897.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed December 2, 1908. Serial No. 465,733.

To all whom it may concern:

Be it known that I, GEORGE F. RUSS, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented an Improvement in Can-Labeling Machines, of which the following is a specification.

My invention relates to improvements in machines for affixing labels to cans and similar articles, and the main objects of my invention are the labeling of the cans or similar articles positively and under sufficient pressure to insure the label adhering and the after-delivery of such articles by devices that do not come in contact with the freshly attached label to disturb the same.

In the machine of my improvement the cans or similar articles in an upright position are progressively fed into the machine and guided by suitable devices; they are moved one at a time into engagement with suitable revoluble devices for receiving the label; the labels are supported in a superposed pile and are removed one at a time from the bottom of the pile and fed between rollers where the upper surface receives a coating of adhesive material. As pasted the label is advanced over a platform to a predetermined position above similar arms of corresponding revoluble series, and it is then raised or up-ended into a vertical position by said arms with the advancing end of the label over-lying a roller and in the path of the forwardly moving can to be labeled. As the can comes into position and is engaged by the revoluble devices, the end of the label is in practical contact with the can and with the rotation of the can is rolled onto and into contact with the same, or in other words, secured around the cylindrical and upright surface of the can or other article. The cans and labels successively arrive at their respective positions simultaneously, and after being labeled the cans or other articles are removed in any desired manner.

The details of the apparatus and the operation of the same are hereinafter more particularly described.

In the drawing, Figure 1 is a plan view and partial section representing generally the devices of my invention, the paste trough being removed. Fig. 2 is an elevation broken off at one end showing the parts illustrated in Fig. 1. Fig. 3 is an elevation partly in section at the right hand end of

Figs. 1 and 2. Fig. 4 is an elevation and cross section on about the dotted line  $x, x$ , of Fig. 1, looking toward the right hand. Fig. 5 in larger size is a cross section on the dotted line  $x^1 x^1$  of Fig. 1. Fig. 6 in larger size is a section at the dotted line  $y, y$ , of Fig. 1. Fig. 7 is an elevation and cross section illustrating the cam and devices actuated thereby for turning the corresponding revoluble series of arms, and Fig. 8 is a diagrammatic plan of the devices supporting the up-ended pasted label and the label as being attached to the can.

$a$  represents a platform of suitable material, preferably of metal, occupying a horizontal plane above and below which and also through which certain of the parts operate in advancing the cans, supporting, pasting and advancing the labels and labeling the cans or other articles.

$b$  represents the cans or other similar articles, with the cylindrical portions in plan and the cans resting on one flat end. Supported upon this platform the guide  $a^1$  is shown as bent and as fixed to the platform, while the guide  $a^2$  spaced apart from the guide  $a^1$  a distance equal to slightly more than the diameter of the cans is fixed to the platform  $a$  in an adjustable relation by the employment of the slotted feet 2 and clamping nuts 3. These guides may be of any desired length to receive any desired number of cans or other articles to be labeled between them.

I prefer to employ a conveyer  $c$  at one end running around the roller  $c^1$  and coming from a distance, the upper portion of the conveyer  $c$  running between the guides  $a^1 a^2$  for bringing the cans to the machine and progressing the cans supported upon the platform toward the forwarding devices.

$a^3$  and  $a^4$  represent fixed guides in line with one another, the one coming at the forwarding side of the labeling devices and the other at the delivery side of said devices, and 4 represents a slot in this platform through which the forwarding devices move and are guided.

$d$  represents a power shaft in suitable bracket bearings 5 and 6 connected to the under side of the platform  $a$  or in any other desired manner.  $e f$  and  $g$  are cams mounted upon and secured to this power shaft  $d$  and placed in order progressively from the right to the left hand of Figs. 1 and 2.



7 represents a fixed support with a pivot pin 8 at the upper end thereof, to which is connected an arm  $f^1$ . This arm carries a roller 9 moving over the surface of the cam  $f$ .

5 A spring 10 performs the office of holding the roller 9 against the surface of the cam in every position of the cam so as to swing the arm  $f^1$  and the parts connected thereto for the purpose of moving the cans or other articles progressively and in rotation toward the labeling devices.

At the upper end of the arm  $f^1$  is a link 11 pivotally connected to a sliding pusher which moves through and is guided by the slot 4 in the platform  $a$ . This sliding pusher comprises an upper portion  $h$ , an adjustable face  $h^1$ , and integral edge-guard  $h^2$ , an adjustable base  $f^2$  having a rib part passing into the slot 4 and movable therein, and rollers  $f^3$  adapted to bear against the under surface of the platform. The part  $h$  is slotted to receive a bolt  $h^3$  employed for adjustably connecting the part  $h$  and base  $f^2$ . The upright portion of the part  $h$  is horizontally slotted for a bolt which adjustably connects the part  $h$  and face  $h^1$ . The lower face of the pusher  $h$  slides over the face of the platform; the part  $h$  has a transverse sliding movement to position the edge-guard  $h^2$  which comes against the first can of the cans in line between the guides so as to hold the cans back, and this guard can be adjusted as described for slight differences in the width of the cans. The adjustable face  $h^1$  pushes the cans forward one at a time and by the bolt  $h^3$  and stop in the part  $h$  its surface may be positioned so as to bring each can with each movement into exactly the desired position upon the circular platform  $i$  hereinafter described; the movement of the cans being from the position Fig. 1, over the platform to the circular platform  $i$ ; the cam  $f$  with each revolution moving the can pusher or advancing device back into the position Fig. 4, to take a fresh can and permitting the spring 10 as it revolves to remove the arm  $f^1$  and the pushing devices with the cans into place so as to deliver the cans one at a time upon the said circular platform  $i$ .

50 A bracket 12, (see particularly Fig. 4) is suitably secured to and depends from the under surface of the platform  $a$  and the same is provided with several spaced apart bearings 13 for the upright-shafts  $i^1$  and  $k$ .

The circular platform  $i$  is received in a circular opening in the main platform  $a$  and is mounted upon the upper end of the shaft  $i^1$  and on the lower end of the shaft  $i^1$  is the cup member  $i^2$  of a clutch, while on the upper member of the shaft  $k$  is a cone member  $k^1$  of a clutch; the cup and cone members being adapted to frictionally engage so that the revolution of the shaft  $k$  is at will communicated to the shaft  $i^1$  and

circular platform  $i$ . On the lower end of the shaft  $k$  is a spiral gear  $k^2$ .

Referring particularly to Figs. 2, 3 and 4 and the cam  $e$  upon the power shaft  $d$ , I provide a rocker-arm  $e^1$  connected by a pivot 14 to a projection of the bracket 5. On one end of this rocker-arm  $e^1$  is a roller bearing upon the surface of the cam  $e$ . A rod  $e^2$  is connected by a pivot 15 at its lower end to the opposite end of the rocker-arm  $e^1$ . This rod  $e^2$  occupies a vertical position and passes through the platform  $a$  and to this rod  $e^2$  rocker-arms  $e^3$   $e^4$  are respectively connected. These rocker-arms  $e^3$   $e^4$  are pivotally mounted to the lower and upper ends of a bracket  $d^1$  secured to the surface of the platform; the rocker-arm  $e^3$  coming below the platform and the rocker-arm  $e^4$  at the upper end of the bracket. This bracket  $d^1$  is provided with a bearing sleeve  $d^2$ . The lower rocker-arm  $e^3$  is forked at its free end and provided with rollers 16. The free end of the upper rocker-arm  $e^4$  is also forked and provided with rollers. In the bearing sleeve  $d^2$  of the bracket  $d^1$  is a short shaft carrying a presser-head 17 at its lower end and a grooved collar 18 at its upper end, the groove of the collar receiving the rollers on the free forked end of the rocker-arm  $e^4$ . The function performed by the parts just described in connection with the cam  $e$  is to raise the platform  $i$  by the rocker-arm  $e^3$  and its roller 16 and disconnect the clutch member  $i^2$  from the clutch member  $k^1$  and stop the rotation of the circular platform  $i$  and also simultaneously to raise the presser-head 17 by the rocker-arm  $e^4$  so as to release the can or similar article, after it has been labeled, from the revoluble devices.

The spiral gear  $k^2$  of the shaft  $k$  meshes with another spiral gear 19, (see Fig. 2) and this is mounted upon a shaft 20 and supported by suitable bearings from the fixed member or support 21. On the shaft 20, and on the opposite end is a spiral gear 22 and on the power shaft  $d$  a spiral gear 23 whereby the rotation of the power shaft is communicated through the said gear wheel and spiral gear to the shaft 20, the spiral gears 19 and  $k^2$  to continuously revolve the shaft  $k$ .

The cam  $g$  on the power shaft  $d$  hereinbefore referred to, actuates a rocker-arm  $g^1$  pivotally connected to a bracket 24 depending from the platform  $a$ . This rocker-arm  $g^1$  is hung at about the center and is provided with a roller on one end engaging the surface of the cam  $g$  and at its other end it is pivotally connected to a link  $g^2$ .

A shaft  $l$  mounted in suitable bearings secured to the under side of the main platform  $a$  is provided near one end with a ratchet wheel  $l^1$  and with a pawl rocker  $g^3$ , which at one end is pivotally connected to the upper end of the link  $g^2$  and the re-



spective ends of this pawl rocker  $g^3$  carry spring actuated pawls 25 which engage the teeth of the ratchet wheel  $l^1$ ; therefore with the rotation of the power shaft  $d$  and cam  $g$  the rocker-arm  $g^1$  is swung and the link  $g^2$  is moved up and down to actuate the pawl rocker  $g^3$  and the ratchet wheel  $l^1$  and rotate the shaft  $l$  by quarter turn movements regularly and progressively. Upon this shaft  $l$  are secured suitable hubs from each of which radiate arms  $m$   $m^1$   $m^2$ . These are in revoluble series, and the arms as shown particularly in Fig. 3, are arranged substantially tangentially to the periphery of the hubs. There are therefore four arms from each hub, and as will be appreciated from the drawings, notwithstanding the fact that the shaft  $l$  is below the level or plane of the platform  $a$ , the advancing edge of the arms thereof, one at a time, comes upon the level of the platform  $a$  and the platform as will appear from Fig. 1, is provided with grooves to receive these arms. There is another series of arms mounted on the shaft 2 as will appear from the right hand of Fig. 1, and these are the frame-arms  $n$  of different form and each provided with a roller  $n^1$  in bearings at the respective ends of the arms, and upon the outer faces of the arms, and the parts are so arranged and positioned that the axis of each of the rollers in a vertical position agrees with the vertical plane of the axis of the revoluble devices receiving the can or other receptacle and turning the same while the label is pasted thereon. This will appear particularly from the position of the parts shown in Figs. 1 and 3.

Each of the arms of the series  $m$   $m^1$  and  $m^2$  carries a pin 27 and between these series of arms secured to and standing upright from the platform  $a$  are rods 28, the office of which is hereinafter described.

I provide a receptacle composed of a side 29 and end 30 for the superposed pile of labels  $o$ , and also provide series of adjustable stops 31 which carry the upright pins 32, said pins coming at the opposite sides of the pile of superposed labels and the side 29 and end 30, so that the labels are confined within prescribed limits. These stops 31 are to be turned around to open up the receptacle in inserting the pile of labels.

Upon the shaft  $o^1$  in suitable bearings secured to the under side of the main platform  $a$  are segments  $o^2$ . The periphery of each segment is preferably surfaced with a material such as rubber, and the main platform  $a$  is cut away so as to permit these segments with the revolution of the shaft  $o^1$  to come against the under surface of the labels at the forward edge so as to engage the lowermost label and advance the same, pulling the label out from the bottom of the pile. This shaft  $o^1$  and segments  $o^2$  are actuated from

the shaft  $l$  by a pair of bevel wheels 33 and a pair of gear wheels 34 shown by dotted lines Fig. 1 as beneath the main platform  $a$ .

I provide rollers  $r$   $r^1$ , the roller  $r$  in suitable bearings beneath the main platform  $a$  and extending up through an opening in the platform, and the roller  $r^1$  in suitable bearings above the main platform  $a$  and the two rollers substantially in contact. The upper roller receives paste or adhesive material from a trough  $s$  above the same, which trough is supported from a bracket  $s^1$  upon the end 30 of the label holding devices, and this roller  $r^1$  is grooved for the guide-bars 35, the upright ends of which are secured to the face of the label-receiving devices; said bars serving above the platform  $a$  and with it to form a channel for the lowermost label as advanced by the segment  $o^2$  holding the same in position. The roller  $r^1$  is upon a shaft  $r^2$  and is actuated by an endless band 36 which passes over a pulley on the end of the shaft  $r^2$  and over another pulley 37 on the power shaft  $d$ . I also provide a roller  $t$  in suitable bearings upon the under side of the main platform  $a$  and this roller is actuated by an endless band  $t^1$  extending around the pulleys respectively mounted upon the shafts of the rollers  $t$   $r$ , (see Figs. 1 and 2.)

The operation of the device of my improvement is as follows:—The cans or other articles to receive labels are forwarded to the labeling machine by the conveyer  $c$  and are delivered between the guides  $a^1$   $a^2$ . The cans or other receptacles are on one flat end with the opposite flat end at the highest point and they are advanced between the said guides to the sliding pusher; the first of said cans coming against the fixed guide  $a^3$ . The devices hereinbefore described for actuating the sliding pusher move the same and the can in front of the pusher over the main platform  $a$  upon the circular revoluble platform  $i$  and the devices actuated by the cam  $e$  simultaneously connect the clutch members  $i^2$  and  $k^1$  and bring the presser head 17 down upon top of the can to revolve the same. The labels from the superimposed pile of labels  $o$  are removed one at a time from the bottom of the pile by the spaced apart segments  $o^2$ ; the label being advanced between the platform  $a$  and the guide bars 35 and between the roller  $r$  and the paste roller  $r^1$  where the upper surface of the label receives a coat of adhesive material such as paste. The segments  $o^2$  are of any desired size and may be sufficient to remove the entire label from the bottom of the pile and the further movement is assisted by the rollers  $r$   $r^1$ , the label with the pasted side up being advanced over the platform  $a$  and above similar arms  $m$   $m^1$   $m^2$  of the revoluble series, the roller  $t$  assisting in advancing the label as pasted not only into position above these arms but with the advancing edge of



the label brought over an arm  $n$  and roller  $n^1$ . The parts are so timed in their movements that as soon as the pasted label reaches the end of its movement as described, the shaft  $l$  is turned and the series of arms raised from the level of the platform into a vertical position; this movement up-ends the label and the lower edge temporarily bears upon the pins 27 until these pins pass with the movement of the series of arms below the level of the platform when the label rests upon the platform upon its lower edge and between the arms of the series and the upright rods 28. At the moment that the label with one side pasted is brought into this upright position the can-forwarding devices timed to correspond therewith have brought the can into position upon the revoluble platform  $i$  and the can as it starts to revolve engages the advancing edge of the label and the label is moved forward between the can as held and revolved and one of the rollers  $n^1$ , so that the label is at once pressed upon the outer cylindrical surface of the revolving can, the roller turning by and with the revolving can. The parts are further so timed that as soon as the can has revolved and been labeled, the rollers 16 lift the platform  $i$ , disconnect the clutch members, stop the rotation of the platform and simultaneously the presser-head 17 is lifted and the next can brought forward by the sliding pusher devices onto the platform, pushing off the can just labeled. The second label pasted upon the upper side is likewise brought into position and the next can labeled like the first, and so on these movements are progressively continued; the labels being pasted and advanced and brought into position and the cans forwarded, labeled and removed.

The rollers  $n^1$  perform the special functions as particularly shown in Fig. 8, first of forming a rounded surface over which the label as pasted is drawn, and second, to press the label smoothly and firmly to the cylindrical body of the can.

I claim as my invention:

1. In a can labeling machine and in combination, a conveyer for cans resting upon one end, guides and a platform upon which the cans are delivered and advanced, a stop for limiting the movement of the cans, a pusher device for taking a can at a time and revoluble devices receiving the can as delivered from the pusher on one end, devices receiving labels in a superimposed pile, means for removing a label at a time from the bottom of the pile, means for pasting one side of the label and delivering the same upon the surface of said platform, a shaft and series of revoluble arm devices in alinement mounted thereon, means for rotating said arm devices to lift the pasted label from the platform and up-end the same into a vertical position,

and means for pressing the advancing edge of the pasted label upon the vertical cylindrical surface of the can during the rotation of the same to affix the label to the cans.

2. In a can labeling machine and in combination, a conveyer for cans resting upon one end, guides and a platform upon which the cans are delivered and advanced, a stop for limiting the movement of the cans, a pusher device for taking a can at a time and revoluble devices receiving the can as delivered from the pusher on one end, and an edge-guard carried by a sliding pusher device for holding back the advancing cans until the return of the pusher, devices receiving labels in a superimposed pile, means for removing a label at a time from the bottom of the pile, means for pasting one side of the label and delivering the same upon the surface of said platform, a shaft and series of revoluble devices in alinement mounted thereon, means for rotating said arm devices to lift the pasted label from the platform and up-end the same into a vertical position, and means for pressing the advancing edge of the pasted label upon the vertical cylindrical surface of the can during the rotation of the same to affix the label to the cans.

3. In a can labeling machine and in combination, a conveyer for cans resting upon one end, guides and a platform upon which the cans are delivered and advanced, a stop for limiting the movement of the cans, a pusher device for taking a can at a time and revoluble devices receiving the can as delivered from the pusher on one end, devices receiving labels in a superimposed pile, means for removing a label at a time from the bottom of the pile, means for pasting one side of the label and delivering the same upon the surface of said platform, a shaft and series of revoluble arm devices in alinement mounted thereon, means for rotating said arm devices to lift the pasted label from the platform and up-end the same into a vertical position, and a series of rollers one upon each of the series of arms nearest the can-revolving devices over which the label is drawn and between which and the surface of the can the label is pressed to adhesive contact with the body of the can and means for pressing the advancing edge of the pasted label upon the vertical cylindrical surface of the can during the rotation of the same to affix the label to the cans.

4. In a can labeling machine and in combination, a conveyer for cans resting upon one end, guides and a platform upon which the cans are delivered and advanced, a stop for limiting the movement of the cans, a pusher device for taking a can at a time and revoluble devices receiving the cans as delivered from the pusher on one end and an edge-guard carried by the sliding pusher



device for holding back the advancing cans until the return of the pusher, devices receiving labels in a superimposed pile, means for removing a label at a time from the bottom of the pile, means for pasting one side of the label and delivering the same upon the surface of said platform, a shaft and series of revoluble arm devices in alignment mounted thereon, means for rotating said arm devices to lift the pasted label from the platform and up-end the same into a vertical position, and a series of rollers, one upon each of the series of arms nearest the can revolving devices over which the label is drawn and between which and the surface of the can the label is pressed to adhesive contact with the body of the can and means for pressing the advancing edge of the pasted label upon the vertical cylindrical surface of the can during the rotation of the same to affix the label to the cans.

5. In a can labeling machine, the combination with devices for conveying and guiding cans on one end into position and a platform supporting said cans and guides, a power shaft, a cam on said power shaft, a pusher device adapted to move over the surface of the platform, a spring actuated arm and a link connecting one end of the arm to said pusher device, whereby the cans one at a time are forwarded for labeling.

6. In a can labeling machine, the combination with devices for conveying and guiding cans on one end into position and a platform supporting said cans and guides, a power shaft, a cam on said power shaft, a fixed support, an arm pivoted thereto, a roller secured to said arm bearing upon said cam, a spring for holding the roller against the arm and moving the arm in one direction, a sliding pusher adapted to move over the surface of said platform and be guided by a slot therein, a link connected to said pusher device and the free end of said arm, whereby the pusher device is moved in one direction by the cam and in the opposite direction by a spring.

7. In a can labeling machine, the combination with devices for conveying and guiding cans on one end into position and a platform supporting said cans and guides, a power shaft, a cam on said power shaft, a pusher device comprising a sliding member and a member adjustable therewith, a base having a part coming up from a slot in the platform and means for adjustably connecting the base and the sliding member, rollers upon opposite sides of the base coming against the under side of the platform, means connected to the pusher device and actuated by the said cam in one direction and a spring for actuating the same in the opposite direction.

8. In a can labeling machine, the combination with conveyer devices, a platform and

guides for delivering the cans upon the platform upon one end, and pusher devices for taking the cans one at a time and moving the same from the guides, of revoluble devices for receiving the can and supporting the same on one end, devices for clamping the can in position and devices for rotating the can during the labeling operation.

9. In a can labeling machine, the combination with conveyer devices, a platform and guides for delivering the cans upon the platform upon one end, and pusher devices for taking the cans one at a time and moving the same from the guides, of a circular platform occupying a circular opening in the main platform, a shaft carrying said platform, a member with a clutch device mounted upon the lower end of said shaft, a shaft in alignment with the aforesaid shaft and bearings therefor, a member of the clutch device on the upper end of this shaft engaging the aforesaid clutch member, and means for actuating the lower shaft.

10. In a can labeling machine, the combination with conveyer devices, a platform and guides for delivering the cans upon the platform upon one end, and pusher devices for taking the cans one at a time and moving the same from the guides, of a circular platform occupying a circular opening in the main platform, a shaft carrying said platform, a member with a clutch device mounted upon the lower end of said shaft, a shaft in alignment with the aforesaid shaft and bearings therefor, a member of the clutch device on the upper end of this shaft engaging the aforesaid clutch member, means for actuating the lower shaft, means coming against the upper end of the can to press the same into firm contact with the revoluble platform, means for raising the revoluble platform and its clutch member so as to separate the clutch members, and other co-acting means for raising the pressure device and liberating the can.

11. In a can labeling machine, the combination with a platform, of devices forming a receptacle for a series of superimposed labels so that the labels are supported from the platform and inclosed, of means for engaging the lowermost label of the pile and advancing the same, means for coating the upper side of the label with adhesive material and simultaneously advancing the same over the surface of said platform, series of arms moving through the platform and by which the label is elevated and overturned into a vertical position.

12. In a can labeling machine, the combination with a platform, of devices forming a receptacle for a series of superimposed labels so that the labels are supported from the platform and inclosed, of means for engaging the lowermost label of the pile and advancing the same, means for coating the



upper side of the label with adhesive material and simultaneously advancing the same over the surface of said platform, series of arms moving through the platform and by which the label is elevated and overturned into a vertical position, and pins upon said arms against which the lower edge of the label rests while being up-ended and rods secured to the platform and between which and the said arms the up-ended label is received in a vertical position.

13. In a can labeling machine, the combination with a platform, of devices forming a receptacle for a series of superimposed labels so that the labels are supported from the said platform and inclosed, of spaced apart segments and means for revolving the same and contacting with the under surface of the lowermost label of the pile and removing the same and advancing the said label over the surface of the platform, guide bars along which said label passes, a roller coming under the label and a roller for delivering adhesive material upon the upper surface of the label coming between said roller for simultaneously advancing the label and placing the adhesive material upon its upper surface, a shaft and means for actuating the same, and a series of similar substantially radial arms mounted upon said shaft in corresponding positions, a series of other arms alining therewith, a roller and bearings therefor upon the outer faces of the latter of said series of arms and all of said arms moving through slots in the main platform, whereby the labels with an upper surface of adhesive material are raised from a horizontal to a vertical position with their advancing end in position to deliver the label upon the can to be labeled.

14. In a can labeling machine, the combination with a platform, of devices forming a receptacle for a series of superimposed labels so that the label is supported from the said platform and inclosed, of spaced apart segments and means for revolving the same and contacting with the under surface of the lowermost label of the pile and removing the same and advancing the said label over the surface of the platform, guide bars along which said label passes, a roller coming under the label and a roller for delivering adhesive material upon the upper surface of the label coming between said rollers for simultaneously advancing the label and placing the adhesive material upon its upper surface, a shaft and means for actuating the same, and a series of similar substantially radial arms mounted upon said shaft in corresponding positions, a series of other arms alining therewith, a roller and bearings therefor upon the outer faces of the latter of said series of arms and all of said arms moving through slots in the main platform, whereby each label with an upper surface of

adhesive material is raised from a horizontal to a vertical position with its advancing end in position to deliver the label upon the can to be labeled, and a roller placed intermediate in the length of the shaft carrying said series of arms for insuring the progression of the labels as surfaced with adhesive material.

15. In a can labeling machine, the combination with a power shaft and a cam thereon, of series of similar substantially radial arms and a shaft upon which said arms are mounted in corresponding positions, a rocker arm and bearing therefor, a ratchet wheel on the shaft of said series of arms, a pawl rocker and spring actuated pawls also mounted upon said shaft and engaging said ratchet wheel, and a link mounted therein, and the pawl with the rocker arm actuated by a cam, whereby progressive quarter revolution movements are imparted to said shaft and series of arms.

16. In a can labeling machine and in combination, a series of devices for positively receiving, gripping and revolving one can at a time, a platform, means for collectively conveying cans toward said platform and delivering the same thereon, means for positively feeding one can at a time to the said can receiving devices at predetermined intervals, a label receptacle, a series of means for removing one label at a time from said receptacle and for forwarding and simultaneously pasting the label on one side thereof, and means coacting with a can in the revolution thereof for pressing the pasted label to the surface of the can to cause the same to adhere thereto.

17. In a can labeling machine and in combination, a series of devices for positively receiving, gripping and revolving one can at a time, a platform, means for collectively conveying the cans toward the said platform, and means for feeding one can at a time to the aforesaid receiving means and simultaneously maintaining the said cans in position so that but one can at a time is delivered by the said can feeding means to the said can receiving means.

18. In a can labeling machine and in combination, a label receptacle, a series of means for removing one label at a time from said receptacle and for forwarding and simultaneously pasting the label on one side thereof, means for receiving, gripping and revolving a can during the labeling operation, means for transferring the said label from the aforesaid forwarding and pasting means to the labeling position, and means coacting with the can in the revolution thereof for pressing the pasted label to the surface of the can to cause the same to adhere thereto.

19. In a can labeling machine and in combination, a platform, means for collectively conveying cans toward and delivering the



same upon said platform, means for receiving a can, means for positively feeding one can at a time to said can receiving means, means for gripping the said can after the  
5 same has reached the can receiving means, means for revolving the said can receiving means, a label receptacle, means for removing one label at a time therefrom and for forwarding and simultaneously pasting the  
10 label on one side thereof, means for transferring the label from the last aforesaid

means to the labeling position, and means coacting with the can in the revolution thereof for pressing the pasted label against the surface of the can to cause the same to  
15 adhere thereto.

Signed by me this 20th day of November 1908.

GEORGE F. RUSS.

Witnesses:

GEO. T. PINCKNEY,  
E. ZACHARIASEN.