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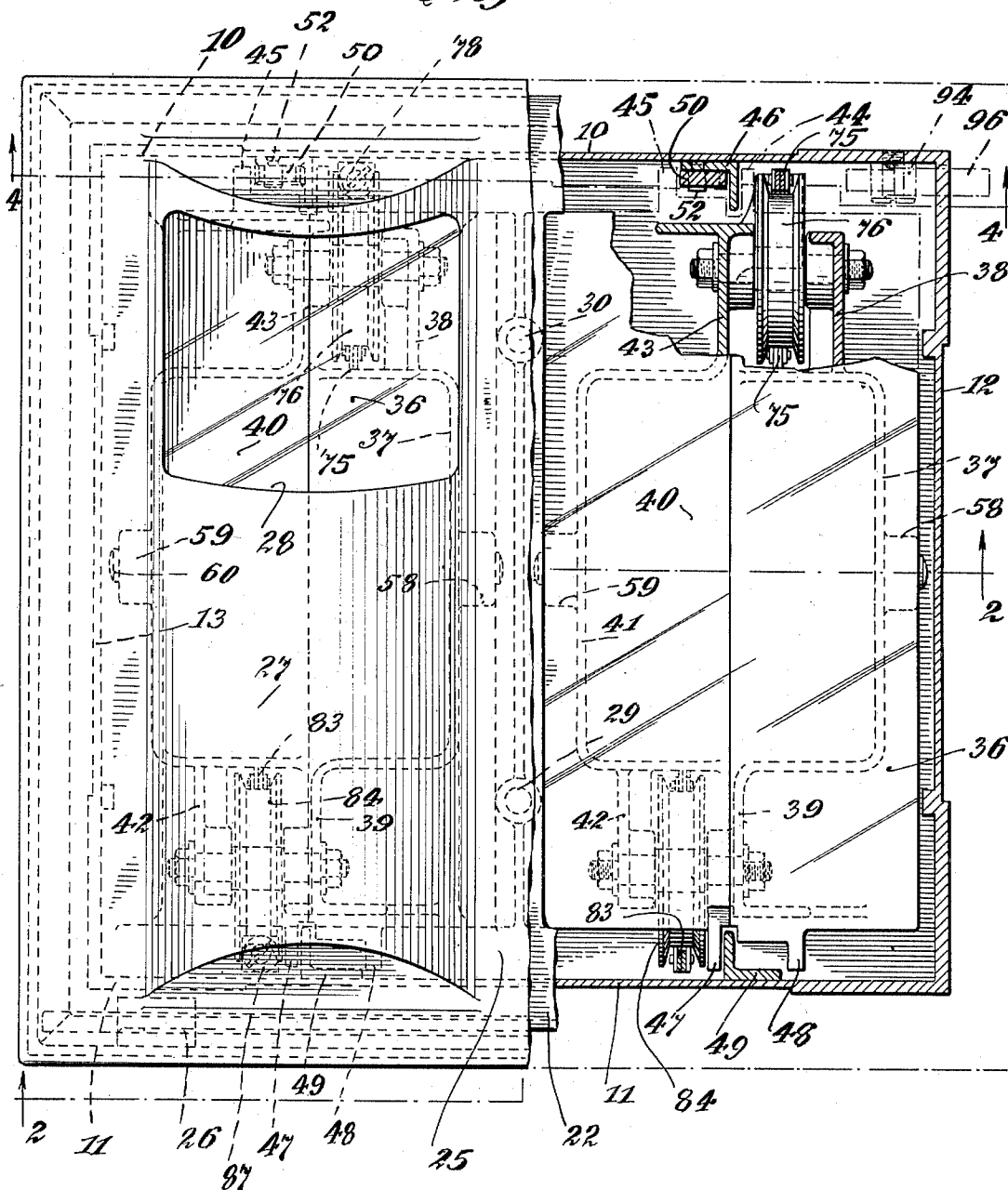
J. O. HUNT ET AL

DISPENSER FOR PAPER NAPKINS AND LIKE ARTICLES

Filed June 24, 1925

5 Sheets-Sheet 1

Fig. 1.



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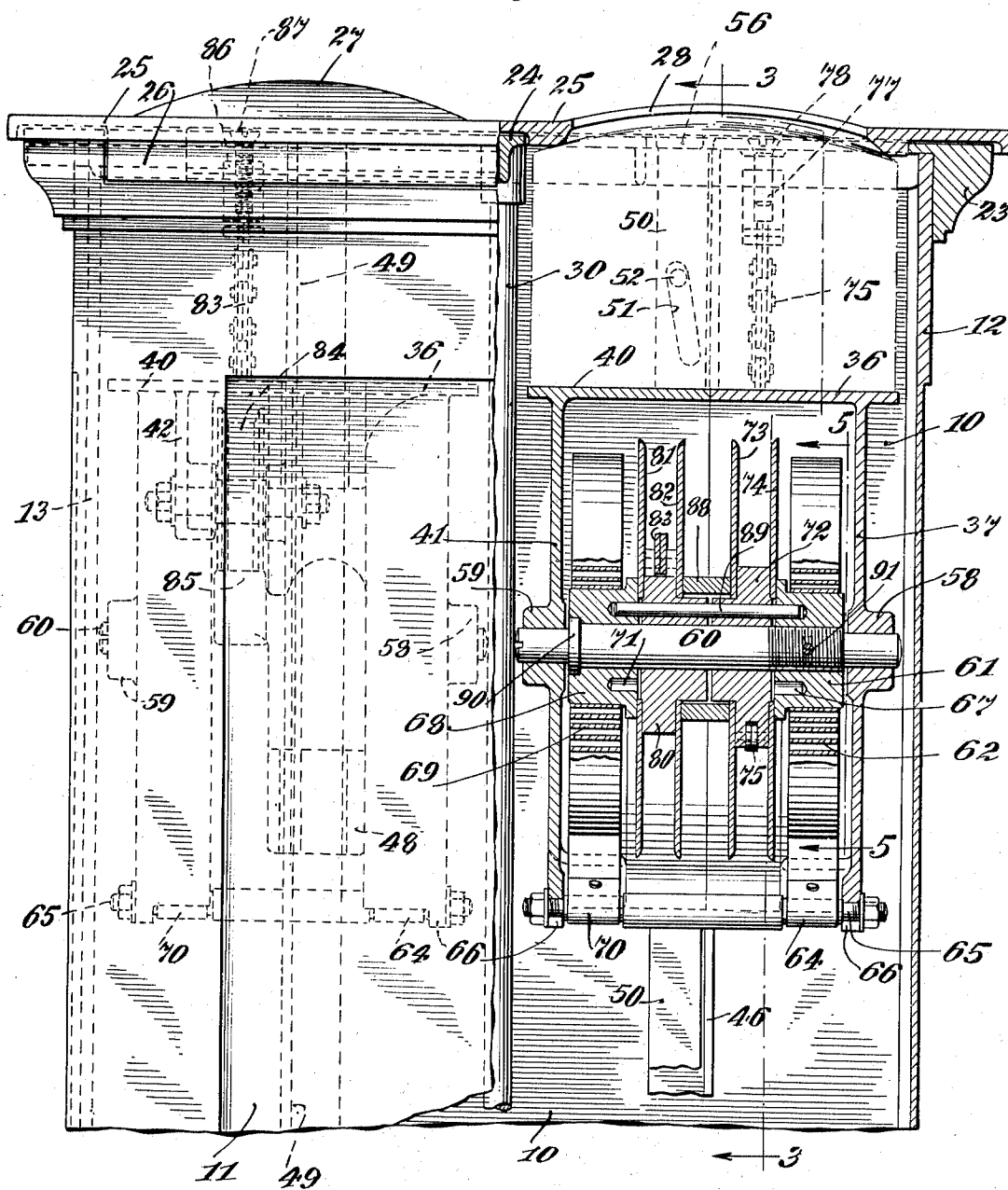
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5 Sheets-Sheet 2

Fig. 2.



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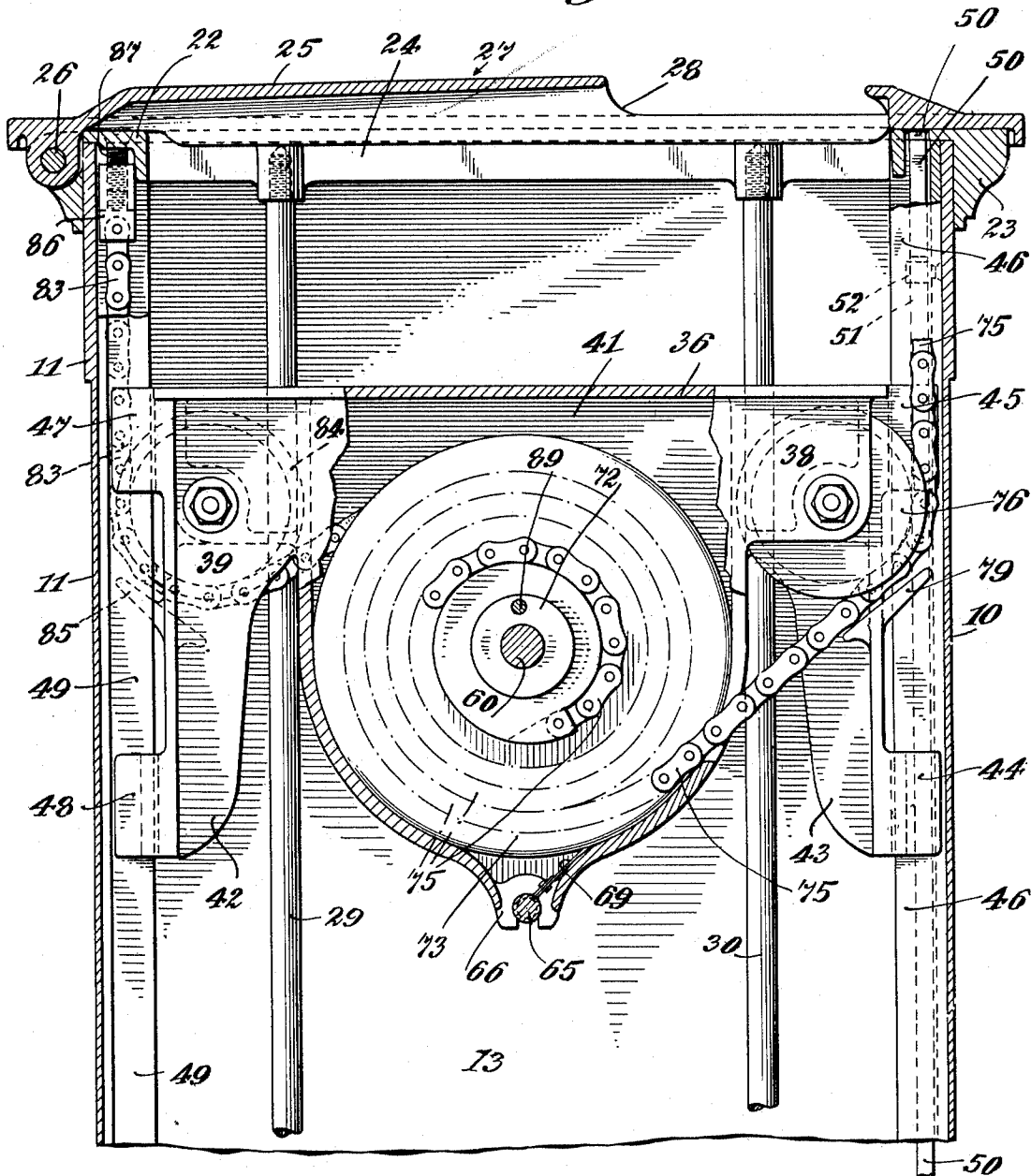
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5 Sheets-Sheet 3

Fig. 3.



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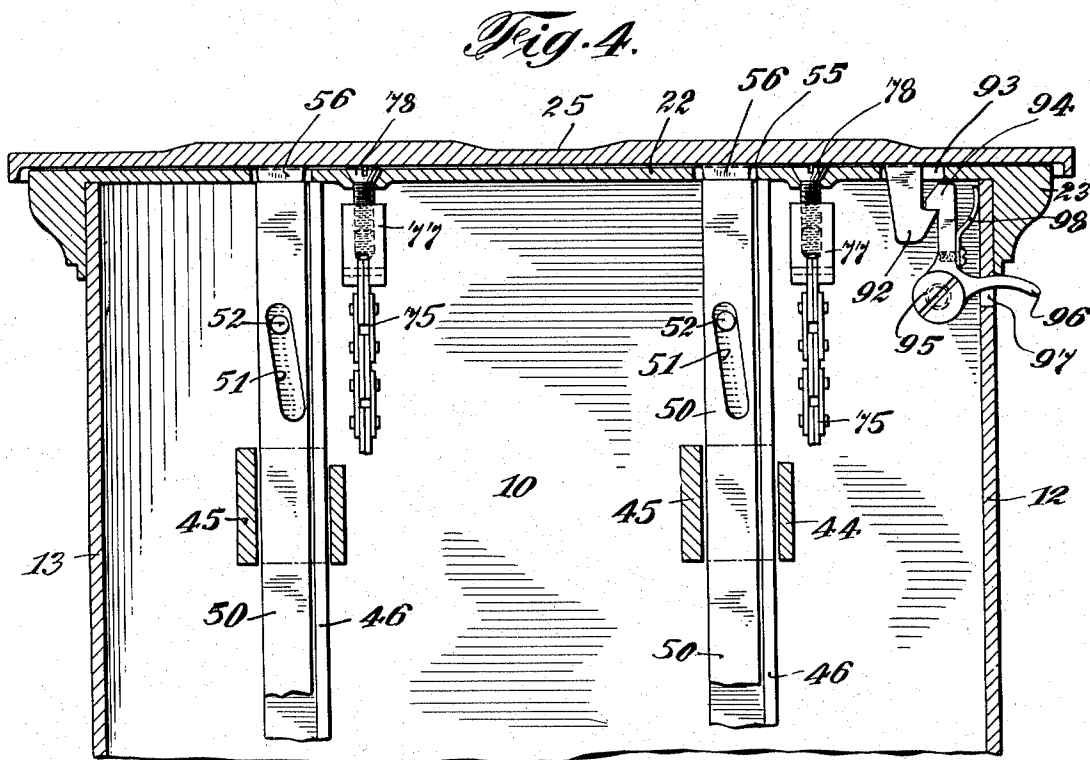
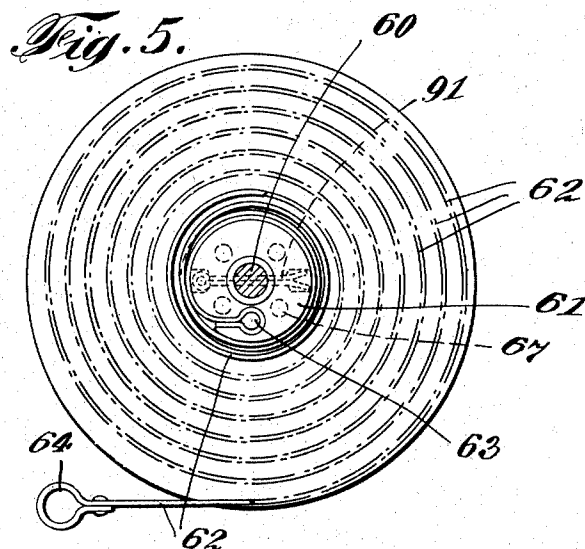
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DISPENSER FOR PAPER NAPKINS AND LIKE ARTICLES

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5 Sheets-Sheet 4



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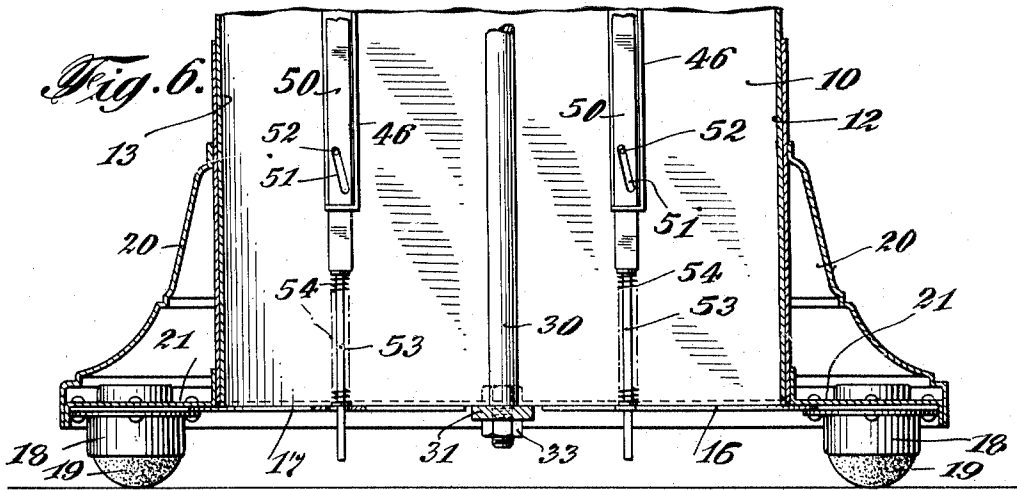
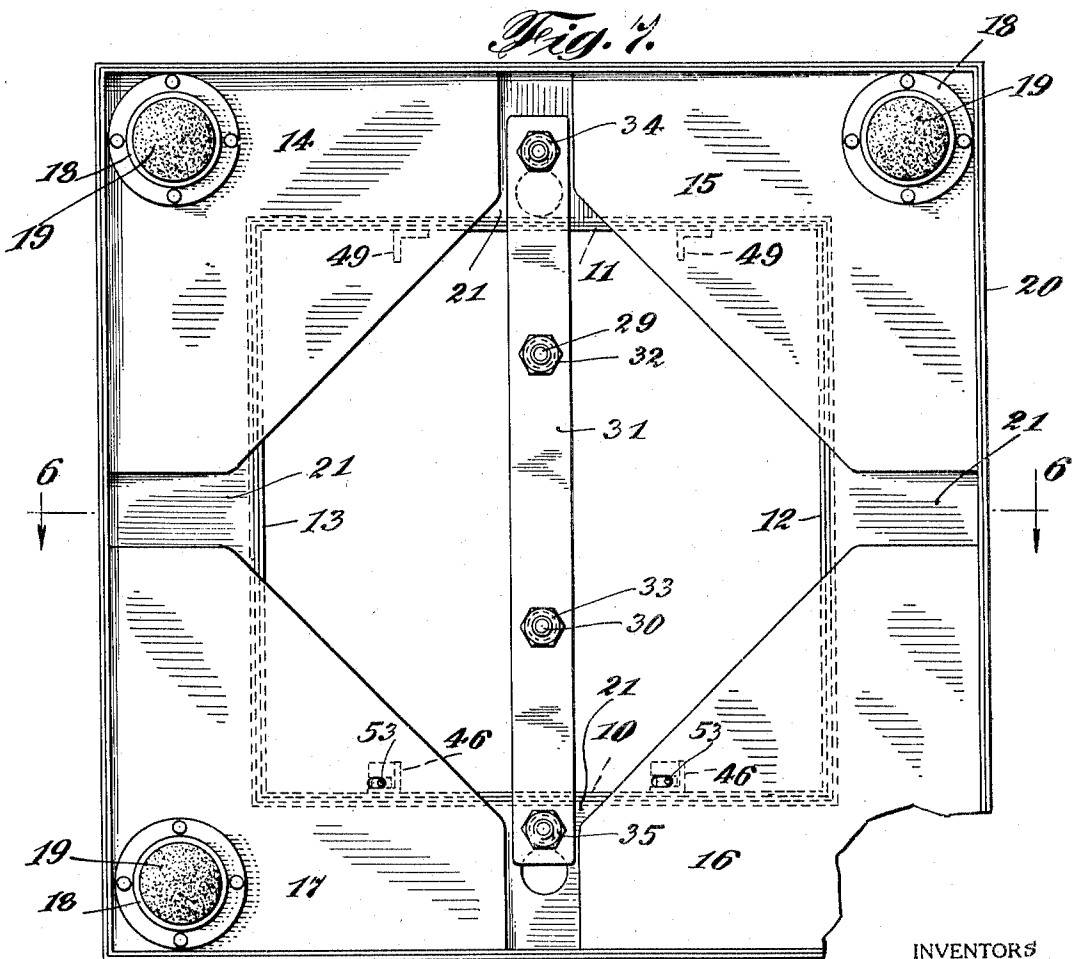
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DISPENSER FOR PAPER NAPKINS AND LIKE ARTICLES

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5 Sheets-Sheet 5



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DISPENSER FOR PAPER NAPKINS AND LIKE ARTICLES.

Application filed June 24, 1925. Serial No. 39,215.

Our invention relates to an apparatus for dispensing paper napkins and like articles, and more particularly, to that type of such apparatus in which a pile of superimposed napkins folded in a particular manner is placed upon a platform, and the platform automatically moved toward an orifice or opening in the apparatus through which the napkins are obtainable one at a time. We are aware that in apparatus of this type movable platforms have heretofore been employed, and various types of motors used for operating the same. We are also aware that heretofore in this type of apparatus devices have been employed and made operative through opening the cover of the casing for maintaining the platform in any desired position when the cover is open.

Our present invention relates more particularly to the use and construction of a motor carriage employed for the purposes indicated, and also to devices by which the motor carriage is automatically released when the cover is closed, and locked and maintained in any position when the cover is open, the object of the invention being the provision of a motor and its housing which is so constructed as to effect a material saving in manufacture, and greater facility in assembling the parts of the motor, and at the same time one in which the motor itself is adjustable to vary the tension or power derived from the same, the motor, and motor housing, and the platform comprising a carriage with which the brake devices cooperate to hold the carriage in any given position when the cover of the casing is open for the insertion of napkins or other articles, or otherwise, and to release the platform making the motor operative when the cover is closed, all of which will be hereinafter more particularly described.

In the drawing Fig. 1 is a plan and a partial section illustrating a dispensing apparatus made in accordance with our invention.

Fig. 2 is a sectional elevation on line 2—2, Fig. 1.

Fig. 3 is a section on line 3—3, Fig. 2.

Fig. 4 is a section on line 4—4, Fig. 1.

Fig. 5 is a sectional elevation on line 5—5, Fig. 2.

Fig. 6 is a partial section taken on line 6—6, Fig. 7, and

Fig. 7 is an inverted plan of the base of the apparatus.

The dispenser for paper napkins and the like made in accordance with our invention is constructed to include a suitable casing which as illustrated may comprise a front wall 10, and a back wall 11, and side walls 12 and 13, so connected as to be rectangular in cross-section. This casing also includes a series of base plates 14, 15, 16 and 17. At each corner of the casing at the base thereof there is a foot or supporting member 18, preferably fitted with a cushion 19 of rubber or other similar material. As illustrated the base plates 14 and 17, inclusive, are connected to the walls of the casing by suitable brackets 20, and angle irons 21, although, as will be understood, this construction is merely illustrative and forms no part of our present invention.

The casing also includes a frame or cap 22, adapted to fit over the upper end of the casing, and as shown may be made to include a moulding 23 for the purpose of ornamentation. Extending across the frame or cap 22 in a substantially central position there is a cross-bar 24. The casing furthermore includes a suitable cover 25, which is hinged as indicated at 26 or otherwise connected to the casing. In carrying out the invention we prefer to provide this cover member 25 with rolled portions 27 having concave inner surfaces, and an opening 28 at one end whereby the paper napkins, towels or other similar articles are maintained in contact against this concave surface, and may be readily removed one at a time through the said opening. As illustrated, the dispenser includes two sets of apparatus for dispensing the paper napkins or other articles, and as will be understood, irrespective of the number of sets of apparatus employed there is a rolled portion in the cover and an opening therein for each set of apparatus, in order that the articles dispensed from each set are inde-

pendent of the articles dispensed from any other set of the apparatus, it being obvious that any number of sets of apparatus may be included in any given dispenser. Brace
 5 and spacer rods 29 and 30 are secured at their upper or outer ends in tapped openings provided for this purpose in the cross-bar 24, and extend between the same and a cross-bar 31, the lower or inner ends of these
 10 brace and spacer rods passing through and being connected to the cross-bar 31 by nuts 32, 33 or otherwise. The cross-bar 31 is secured in position by being connected to the angle irons 21 by means of bolts 34, 35 or
 15 otherwise.

One of the features of our present invention relates more particularly to the construction of the motor and platform. The motor is a spring motor, and the casing is
 20 constructed in two similar parts which are adapted to be assembled in reverse positions and connected to form the platform for the superimposed pile of paper napkins or other like articles, and also to form a
 25 housing for the operative parts of the motor, which furthermore, are constructed to be adjustable to vary the tension exerted by the motor when in use. Each set of operating devices is similarly constructed, and for
 30 this reason but one of them will be specifically described.

The carriage for raising or advancing a superimposed pile of paper napkins or like articles includes a platform, a housing, and
 35 the motor mechanism mounted therein. The platform is a part of the housing, and the housing is made in two sections similar to each other in all respects, and the parts thereof adapted to be reversed and placed
 40 together to contain the motor. The platform connected to one part of the housing is indicated at 36. This part of the housing also includes a wall 37 which is angular, providing end walls, one of which terminates in an extension flange 38, which is
 45 offset from the center line of the housing, and the other terminates in a flanged bracket 39. The platform portion of the other section of the motor housing is indicated at
 50 40. This section of the housing includes a wall 41 which is also angular, providing end walls corresponding to the end walls of the wall 37, and one of which is provided with an offset extension 42, which corresponds to the offset extension 38, and the
 55 other with a flanged bracket 43, which corresponds to the flanged bracket 39. The platform 36 at one end thereof is provided with a boss 44. At the corresponding end of the platform 40 there is a boss 45. Similarly
 60 at the other side of the apparatus the end of the platform 40 is provided with a boss 47 corresponding with the boss 44 on the platform 36, and the platform 36 is provided
 65 with a boss 48, which corresponds to the

boss 45 on the platform 40. In the front wall 10 extending substantially from the top to the bottom thereof there is an angle 46 secured to the inner face of the wall in any
 70 suitable manner, and similarly there is an angle 49 secured to the rear or back wall 11. Associated with the angle 46 there is a brake bar 50. This brake bar lies against the angle in a position substantially parallel with the front wall 10 and is provided with
 75 a plurality of slots 51, which are inclined from one edge of the brake bar to the other. Extending through each slot 51 there is a pin 52. Extending from the lower end of the brake bar 50 there is a rod 53 forming
 80 a continuation thereof, and extending through the base plate 16. Surrounding the rod 53 there is a spring 54 extending between the base plate 16 and the lower or inner end of the brake bar 50, the action of
 85 which tends to force the brake bar upwardly, and by moving against the pins 52 the brake bar is shifted from right to left, as viewed in Figs. 4 and 6, to bring the adjacent edge of the brake bar into contact with the boss
 90 45. The frame or cap 22 is provided with an opening 55 through which the upper end of the brake bar is adapted to extend when the cover is raised or removed, and the cover is provided with a boss 56 adapted when the
 95 cover is closed to enter the opening 55, and to engage the upper end of the brake bar 50, to force the same downwardly or inwardly against the action of the spring 54, thereby shifting the position of the brake bar
 100 from left to right and away from the boss 45, and releasing the carriage. It will be understood that a brake bar similar in all respects to the brake bar 50 is associated with the angle corresponding to the angle
 105 49 in each unit of the apparatus, and that the parts associated therewith are similar to those associated with the brake bar 50 as hereinbefore described, and are actuated in like manner, so that when the cover of the
 110 casing is raised or removed the brake bars are operative to engage the carriages frictionally, and to maintain the same in any given position, whereas, when the cover is closed the carriages are released and free to
 115 be moved by the motors.

The motor enclosed in the housing as hereinbefore described, is particularly illustrated in Figs. 2, 3 and 5. In the wall 37 of the housing there is a bearing 58, and in a similar
 120 position in the wall 41 there is a bearing 59. Mounted in these bearings is a shaft 60; on the shaft 60 adjacent the wall 37 is a collar 61, and connected to the collar 61 there is a coil spring 62. At its inner end this
 125 spring is provided with an eye let into a recess in the collar and secured therein by a pin 63 or otherwise. At its outer end the spring is also provided with an eye 64 through which a bolt 65 passes. This bolt
 130

65 is adapted to be seated in a recess provided for this purpose in lugs 66 at the lower or inner ends of the walls 37 and 41. In the inner face of the collar 61 there is a circularly arranged series of sockets 67.

On the shaft 60 adjacent the wall 41 there is a collar 68. Surrounding this collar 68 is a coiled spring 69. At its inner end this spring 69 is connected to the collar 68 in the same manner that the spring 62 is connected to the collar 61. At its outer end the spring 69 is provided with or terminates in an eye 70, through which the bolt 65 also passes. In the inner face of the collar 68 there is a series of circularly arranged sockets 71 corresponding in number with the sockets 67.

On the shaft 60 adjacent the collar 61 there is a chain collar 72 having associated therewith spaced disks 73, 74 acting as a guide for a chain 75 as the same is wound upon and unwound from the collar 72. One end of the chain 75 is secured to the collar 72, and this chain passes over a pulley 76 mounted on a shaft journaled in bearings carried by the offset extension 38 and the flanged bracket 43. At its opposite end the chain 75 is connected to a socket 77, and the socket 77 is connected to the frame or cap 22 by a screw 78. The chain 75 in passing through the housing is directed by a guide flange 79.

Also mounted on the shaft 60 is a chain collar 80. This is provided with disks 81 and 82 adapted to act as guides for a chain 83, one end of which is attached to the collar 80. The chain 83 is adapted to be wound and unwound on the collar between the disks 81 and 82, and passes therefrom over a pulley 84 mounted on a suitable shaft journaled in bearings provided for this purpose in the offset extension 42, and the flanged bracket 39. In passing through the casing this chain 83 is directed by a guide flange 85. The opposite end of the chain is secured to a socket 86, and is connected to the frame or cap 22 by a screw 87. We employ a spacer 88 surrounding portions of the collars 72 and 80, and extending between the disks 73 and 82 to maintain the parts of the motor in their relative positions on the shaft as hereinafter described.

The collar 72 and also the collar 80 are provided with transverse bores adapted to receive a pin 89, which extends through and sufficiently far beyond the outer surfaces of the collars to enter one of the sockets 67 in the collar 61, and one of the sockets 71 in the collar 68, whereby in assembling the parts of the motor the springs may be adjusted to obtain a balance, whereby each spring exerts a substantially equal turning force or torque on the shaft 60. The shaft 60 is provided with a flange or collar 90 of appreciably greater diameter than the shaft, and adapted to fit within a recess provided

therefor in the outer face of the collar 68, so as to limit the position of this collar and the other parts of the motor relatively to this end of the shaft. The disks 81 and 82 are secured to the collar 80 in any suitable manner, and the inner portion of the disk 81 abuts against the adjacent face of the collar 68. One side of the spacer 88 abuts against the adjacent inner portion of the disk 82, and the other face of the spacer 88 abuts against the adjacent inner portion of the disk 73. The inner face of the collar 61 abuts against the inner portion of the disk 74 when the parts of the motor are in their assembled positions. As illustrated, the collar 61 is adapted to be turned down on a screw threaded portion of the shaft 60, and secured in position thereon by a cotter pin 91, or otherwise. From the construction shown, it will be seen that the outer ends of the springs are fixed to the connector member 65; the inner ends of the springs are fixed to the rotatable shaft 60, and exert a turning force on said shaft which is transmitted through pin 91 and pin 89 to the collars 72 and 80, which thereby exert a tension on the flexible winding and tension members 75 and 83; these tension members, being attached to the top of the casing, serve to lift the motor and platform toward the top of the casing.

It will now be apparent that as the carriage, including the platform and the motor with its housing is moved inwardly or downwardly in the casing of the dispenser the springs of the motor are wound, thereby increasing the tension exerted by the same, and reducing the leverage of the chains so that as the napkins or other articles are dispensed from the apparatus, and the carriage automatically raises, the tension exerted by the springs is decreased and the leverage of the chains increased, and as the pile of superimposed napkins becomes less and less as the carriage moves upwardly there is a substantially uniform and constant pressure exerted against the napkins to maintain them in position, irrespective of the number of napkins originally placed in or remaining in the superimposed pile thereof.

The cover or the casing may be normally maintained in a closed position by any suitable means. As illustrated, clearly in Fig. 4 the cover may be provided with a hook member 92 adapted to pass through an opening 93 in the frame or cap 22, and to be engaged by a latch 94 at the end of one arm of a lever pivotally mounted at 95. The other end 96 of the lever extends through an opening 97 provided therefor in the casing, and acts as a handle by means of which the lever may be swung on its pivotal point against the action of a spring 98 to disengage the latch 94 and the hook 92, thereby unlocking the cover. It will also be ap-

parent that by making the nose of the hook 92 bevelled the same will automatically operate the latch lever 94 in closing the cover, and that when the cover reaches its closed position the latch lever will automatically engage the hook to lock the cover in place.

It will now furthermore be understood that when the cover is closed the bars 50 are depressed against the actions of the springs 54, and are maintained in such positions as not to contact with the bosses 45 of the motor housings, but that when the cover is raised or open these bars 50 are released and are moved upwardly or outwardly and also by means of the pins 52 acting in the slots 51 are shifted laterally to engage the bosses 45 and thereby frictionally maintain the carriages in any desired position.

It will also be understood that irrespective of the number of dispensing units which may be employed in any apparatus the parts of the same are similarly constructed, and that any desired number of dispensing units may be employed in any dispenser without departing from the nature and spirit of our invention.

The apparatus herein shown and described is particularly adapted for dispensing paper napkins and other similar articles so folded that each napkin or other article in turn may be readily grasped and withdrawn from the dispenser. The particular fold of the paper napkin or other article may be made in any way to accomplish this purpose, preferably however, each napkin or other article is so folded as to comprise a plurality of substantially equal sections, and an end section of reduced area which may be folded on itself, and the article then transversely folded to present a double edge, either one or both of which are equally available to be grasped by the user in withdrawing the article from the dispenser.

We claim as our invention:

1. In a dispenser for paper napkins and like articles, a casing, a carriage comprising a platform, a motor housing integral therewith, and a spring winding motor within the housing, guides for directing the movement of the carriage, and a flexible winding member between the motor and the casing for advancing the carriage and a superimposed pile of paper napkins or like articles placed on the platform for maintaining the outermost article in position to be readily grasped and removed through the discharge opening in the casing.

2. In a dispenser for paper napkins and like articles, a casing, a carriage comprising a multipart motor housing, a platform integral therewith, and a winding motor contained therein, guides for directing the movement of the carriage, and a flexible winding member between the motor and the casing, whereby the carriage is automatical-

ly advanced by the motor to advance a pile of superimposed paper napkins or like articles placed on the platform, and to maintain the outermost article in position to be readily grasped and removed through the discharge opening in the casing.

3. In a dispenser for paper napkins and like articles, a casing having a discharge opening therein, a carriage comprising a two part motor housing and a platform integral therewith, and a winding motor contained therein, the parts of the housing being duplicates, and adapted to be reversed in position and placed together to contain the motor, guides for directing the movement of the carriage, and flexible winding members between the motor and the casing, whereby the carriage and a pile of superimposed paper napkins or like articles placed on the platform are advanced to maintain the outermost article in position to be grasped and withdrawn from the discharge opening in the casing.

4. A dispenser for paper napkins and like articles, a casing having a discharge opening therein, a carriage comprising a two part motor casing, a platform integral therewith, and spring motors mounted in the housing, the parts of the housing being duplicates, and adapted to be assembled in reverse positions to enclose the springs forming the motors, guide members for directing the movement of the carriage, a flexible winding connection between one spring motor and a part of the casing, and a flexible winding connection between another spring motor and another part of the casing, whereby the carriage is automatically advanced, together with a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and removed from the casing.

5. In a dispenser for paper napkins and like articles, a carriage comprising a two part motor housing, a platform integral therewith, and spring motors enclosed in the housing, the parts of the housing being duplicates and adapted to be reversed in position and assembled to enclose the motors, a shaft mounted in the housing, and adapted to be turned by the said motors, a connecting device extending between the said motors for varying the power applied to the shaft by each motor to obtain a balance between the motors, whereby each motor supplies substantially the same power to the said shaft to turn the same and means actuated by said shaft, for moving said carriage.

6. In a dispenser for paper napkins and like articles, a carriage comprising two part motor housing, and a platform integral therewith, the parts of the housing being duplicates and adapted to be reversed in position and assembled to enclose the motors, a

shaft journaled in the housing, spring motors connected to the said shaft and adapted to turn the same, means for adjusting the tension on the said springs to obtain a balance to cause both of the said springs to exert substantially the same turning movement to the said shaft and means actuated by said shaft, for moving said carriage.

7. In a dispenser for paper napkins and like articles, a carriage comprising a two part housing, and a platform integral therewith, the parts of the housing being duplicates and adapted to be reversed and assembled to complete the housing and platform, a shaft journaled in the said housing, collars mounted on the said shaft, and coiled springs each of which is secured at one end to one of the said collars, at the other end to the said housing, and means for adjustably connecting the said collars to vary the tension on the said springs, whereby each spring is caused to impart substantially the same turning movement to the said shaft and tension means actuated by said shaft, for moving said carriage.

8. In a dispenser for paper napkins and like articles, a carriage comprising a two part housing and a platform integral therewith, parts of the housing being duplicates and adapted to be reversed in position and assembled to complete the housing and platform, a shaft journaled in the said housing, a collar secured to the said shaft, a collar mounted to turn on the said shaft, coiled springs each connected at one end to one of the said collars, and at the other end to the said housing, a pin adapted to connect the said collars in any one of a plurality of positions to vary the tension exerted by the said springs to obtain a balance, whereby the power imparted by each of the springs to the said shaft is substantially equal and tension means actuated by said shaft, for moving said carriage.

9. In a dispenser for paper napkins and like articles, a carriage comprising a two part housing, and a platform integral therewith, parts of the housing being duplicates and adapted to be reversed and assembled to complete the housing and platform, a shaft journaled in the said housing, spring motors within the housing each connected at one end to the said shaft, a connector member associated with the housing in a position opposite to the said platform, and to which the opposite ends of the said springs are secured, means for adjusting the tension on the said springs to obtain a substantial balance between the same, causing each spring to apply substantially the same turning movement to the said shaft and a flexible winding member actuated from said shaft, for moving said carriage.

10. In a dispenser for paper napkins and like articles, a carriage comprising a two

part housing, a platform, the parts of the housing being duplicates and adapted to be reversed and assembled to complete the housing and platform, a shaft journaled in the said housing, a collar fixed on the shaft, a collar mounted to turn on the shaft, coiled springs each connected at one end to one of the said collars, a bolt normally lying in recesses in the housing opposite the platform section thereof, and to which the opposite ends of the said springs are connected, means for adjusting the tension on the said springs to obtain a balance between the same causing each spring to impart substantially the same turning movement to the said shaft and tension means actuated by said shaft, for moving said carriage.

11. In a dispenser for paper napkins and like articles, a carriage comprising a two part housing, a platform, the parts of the housing being duplicates and adapted to be reversed and assembled to complete the housing and platform, a shaft journaled in the said housing, a collar fixed on the shaft, a collar mounted to turn on the shaft, coiled springs each connected at one end to one of the said collars, a bolt normally lying in recesses in the housing opposite the platform section thereof, and to which the opposite ends of the said springs are connected, a pin extending between and adapted to enter any one of a series of sockets provided therefor in the said collars to vary the tensions of the said springs, causing each spring to impart substantially the same turning movement to the said shaft and a flexible winding member actuated from said shaft, for moving said carriage.

12. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the casing being provided with a discharge opening, a motor carriage within the casing, a platform movable with the motor carriage, devices for directing the movement of the motor carriage and the platform, means for connecting the motor carriage to the casing, whereby normally, the motor and motor carriage and a superimposed pile of paper napkins and like articles placed on the platform are automatically advanced in the same direction to maintain the outermost article in position to be readily grasped and withdrawn, and means for frictionally engaging the motor carriage to maintain the same in any position when the cover of the casing is open, and when the napkins and like articles are being placed upon the said platform.

13. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the said cover having a discharge opening therein, a motor carriage, a platform movable with the motor carriage, devices for connecting the motor carriage to the casing, for normally advancing in the same

- direction the motor and the motor carriage and a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and withdrawn through the said discharge opening, guide rails in the said casing, devices carried by the motor carriage for cooperating with the said guide rails to direct the travel of the said motor carriage, a clamp bar associated with one of the said guide rails, means carried by the cover for normally maintaining the said clamp bar in an inoperative position, and means operative when the cover is open for shifting the said clamp bars to engage the motor carriage and to maintain the same in any position of its travel.
14. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the said cover having a discharge opening therein, a motor carriage, a platform movable with the motor carriage, devices for connecting the motor carriage to the casing, for normally advancing in the same direction the motor and the motor carriage and a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and withdrawn through the said discharge opening, guide rails mounted in the said casing, bosses on the said motor carriage for spanning the said guide rails to direct the travel of the carriage, and means made operative when the cover is open for engaging the said bosses to maintain the carriage in any position of its travel.
15. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the said cover having a discharge opening therein, a motor carriage, a platform movable with the motor carriage, devices for connecting the motor carriage to the casing, for normally advancing in the same direction the motor and the motor carriage and a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and withdrawn through the said discharge opening, guide rails mounted in the said casing, bosses on the said motor carriage for spanning the said guide rails to direct the travel of the carriage, a clamp bar associated with one of the said guide rails, means connected with the cover for normally maintaining the said clamp bar in an inoperative position when the cover is closed, and means operative when the cover is released for shifting the said clamp bar to engage the said bosses to frictionally maintain the motor carriage in any position of its travel.
16. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the said cover having a discharge opening therein, a motor carriage, a platform movable with the motor carriage, devices for connecting the motor carriage to the casing, for normally advancing in the same direction the motor and the motor carriage and a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and withdrawn through the said discharge opening, guide rails mounted in the said casing, bosses on the said motor carriage for spanning the said guide rails to direct the travel of the carriage, a clamp bar associated with one of the said guide rails, pins secured in the said guide rail and extending through inclined slots in the said clamp bar, devices carried by the cover and adapted to maintain the said clamp bar in a depressed inoperative position when the cover is closed, and means operative when the cover is open for shifting the said clamp bar to cause the same through the lateral motion imparted thereto by the pins operating in the inclined slots to force the clamp bar against one of the said bosses to frictionally maintain the motor carriage in any position of its travel.
17. In a dispenser for paper napkins and like articles, a casing, a cover for the casing, the said cover having a discharge opening therein, a motor carriage, a platform movable with the motor carriage, devices for connecting the motor carriage to the casing, for normally advancing the motor carriage and a pile of superimposed paper napkins and like articles placed on the platform to maintain the outermost article in position to be readily grasped and withdrawn through the said discharge opening, guide rails mounted in the said casing, bosses on the said motor carriage for spanning the said guide rails to direct the travel of the carriage, a clamp bar associated with one of the said guide rails, pins secured in the said guide rail and extending through inclined slots in the said clamp bar, devices carried by the cover and adapted to maintain the said clamp bar in a depressed inoperative position when the cover is closed, and a spring surrounding the inner end of said clamp bar for moving the same in the opposite direction when the cover is open, whereby through the said pins operating in the inclined slots the clamp bar is shifted laterally to engage one of the said bosses and thus maintain the motor carriage in any position of its travel.
18. In a dispenser for paper napkins and like articles, a movable motor carriage, a napkin carrying platform movable with the motor carriage, a plurality of motors in the motor carriage, a plurality of members actuated by the motors, respectively, for bodily moving the motor carriage, and means for

adjusting the motors to balance the same to cause the power applied to said members by each motor to be substantially the same.

19. In a dispenser for paper napkins and the like, a casing having a dispensing opening, a rotary spring motor mounted for movement toward said opening, a napkin-carrying platform movable with the motor as it moves toward said opening, and means cooperating with the motor, whereby the motor bodily moves itself and the said platform toward said dispensing opening and whereby the motor is rewound when it is moved away from said opening.

20. In a dispenser for paper napkins and the like, a casing having a dispensing opening at the top thereof, a spring winding motor mounted for vertical movement in the casing, toward and away from said dispensing opening, a napkin-carrying platform movable with the motor, and means cooperating with the motor and casing whereby the motor lifts itself and the platform toward the dispensing opening and whereby the motor is rewound when it is moved down into the casing.

21. In a dispenser for paper napkins and the like, a casing, a cover therefor having a dispensing opening, a motor mounted to move bodily toward and away from said dispensing opening, a napkin carrying platform movable with the motor, connections between the motor and casing whereby the motor moves itself and the platform toward said opening, and means, actuated upon the opening of the cover, for locking the motor against movement.

22. In a dispenser for paper napkins and the like, a casing, a cover at the top of the casing having a dispensing opening, a rotary winding motor mounted to move bodily toward and away from said opening, a napkin-carrying platform movable with the motor, connections between the motor and casing whereby the motor lifts itself and the platform toward said opening, and means, controlled by the positioning of the cover, for locking and releasing the motor.

23. In a dispenser for paper napkins and the like, a main casing, a cover therefor, a combined motor casing and napkin platform movable in the casing, a motor in the motor casing and movable with the casing, braking means for the said casing and platform, comprising relatively slidable friction members

carried by the main casing and motor casing respectively, and means, controlled by the positioning of said cover, for moving the friction members into and out of engagement.

24. In a dispenser for paper napkins and the like, a main casing, a cover therefor, a napkin-carrying platform movable up and down in the casing, means for moving said platform, a brake bar carried by the casing and extending lengthwise thereof, a cooperating brake member carried by the movable platform, and means, controlled by the position of the cover, for moving the brake bar and brake member into and out of operative engagement.

25. In a dispenser for paper napkins and the like, a main casing, a cover at the top thereof having a dispensing opening, a motor casing and napkin platform movable together up and down in the casing, a motor in the casing serving to lift itself and the napkin platform toward said dispensing opening, a brake bar carried by the casing and extending lengthwise thereof, a cooperating brake member carried by the platform, and means, controlled by the positioning of the cover, for moving the brake bar and brake member into and out of engagement.

26. In a dispenser for paper napkins and the like, a casing having a dispensing opening, a napkin-carrying platform, a spring motor mounted to move bodily with said platform, connections from the motor to the casing, the motor having a coil spring and serving to move itself and the platform toward said dispensing opening, and means for varying the tension of the coil spring for varying the force exerted by the motor on the platform.

27. In a dispenser for paper napkins and the like, a casing having a dispensing opening, a napkin-carrying platform, a spring motor mounted to move with the platform, toward and from the dispensing opening, the motor including a coil spring and serving to move itself and the platform toward the dispensing opening, and connections from the motor to the casing, the motor acting to exert a greater force on the platform the greater the distance it is from the dispensing opening.

Signed by us this 16 day of June 1925.

JOHN O. HUNT.

GEORGE H. NORTH.