Sept. 16, 1958 R. KLEIN 2,852,159

ADVERTISING LITERATURE AND ARTICLES DISPENSER FOR TRUCKS

Filed June 14, 1956 3 Sheets-Sheet 1

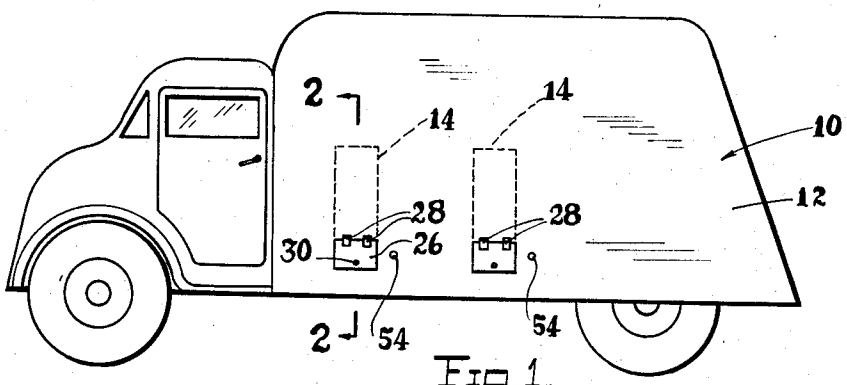


Fig. 1.

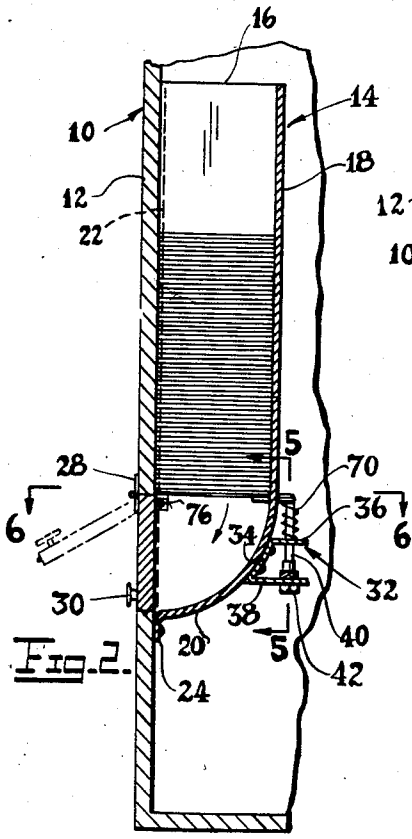


Fig. 2.

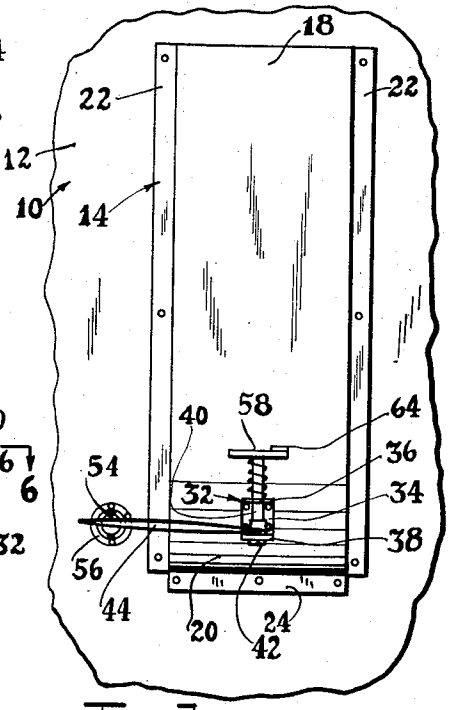


Fig. 3.

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ADVERTISING LITERATURE AND ARTICLES DISPENSER FOR TRUCKS

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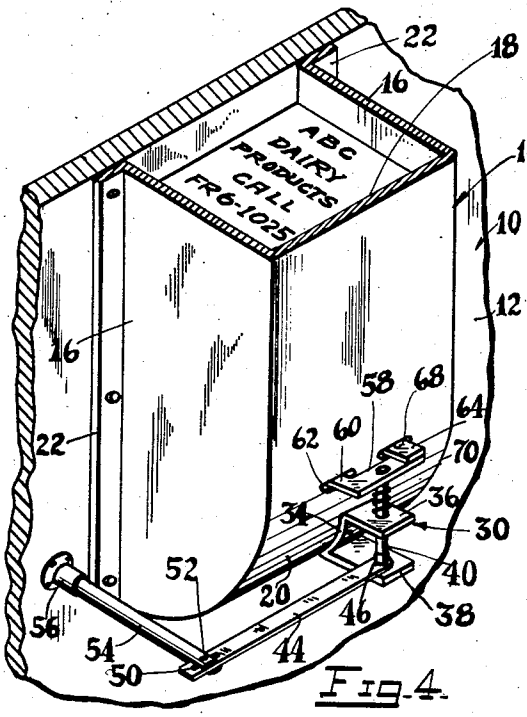


Fig. 4.

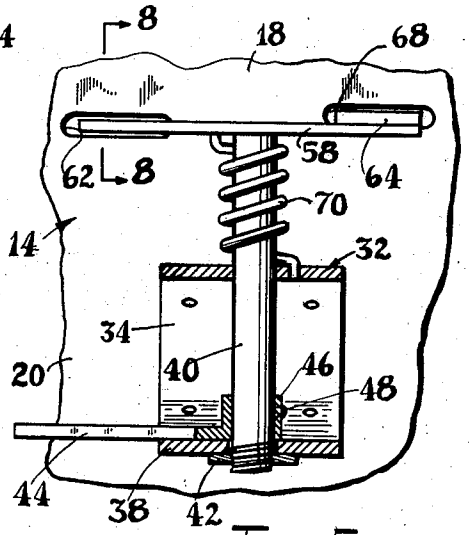


Fig. 5.

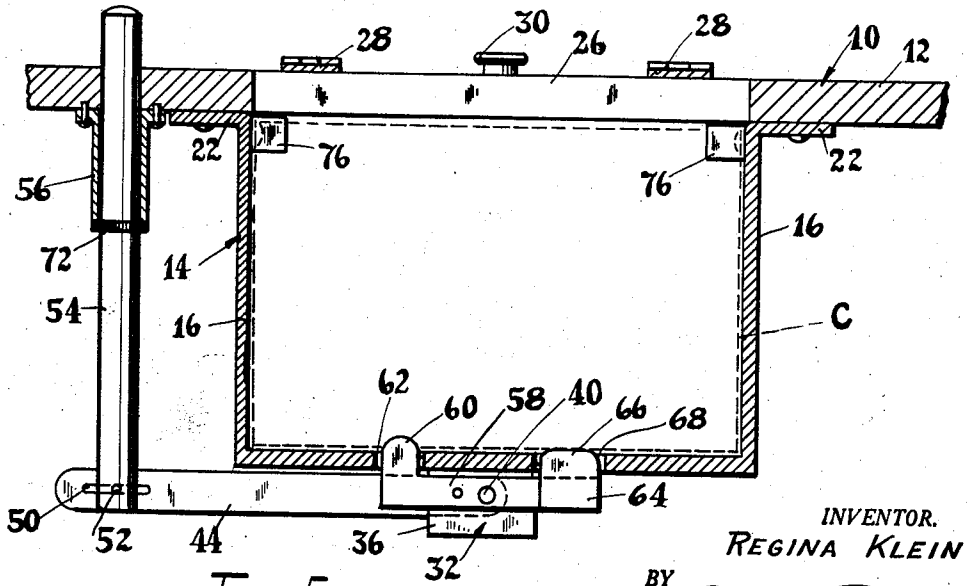


Fig. 6.

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ADVERTISING LITERATURE AND ARTICLES DISPENSER FOR TRUCKS

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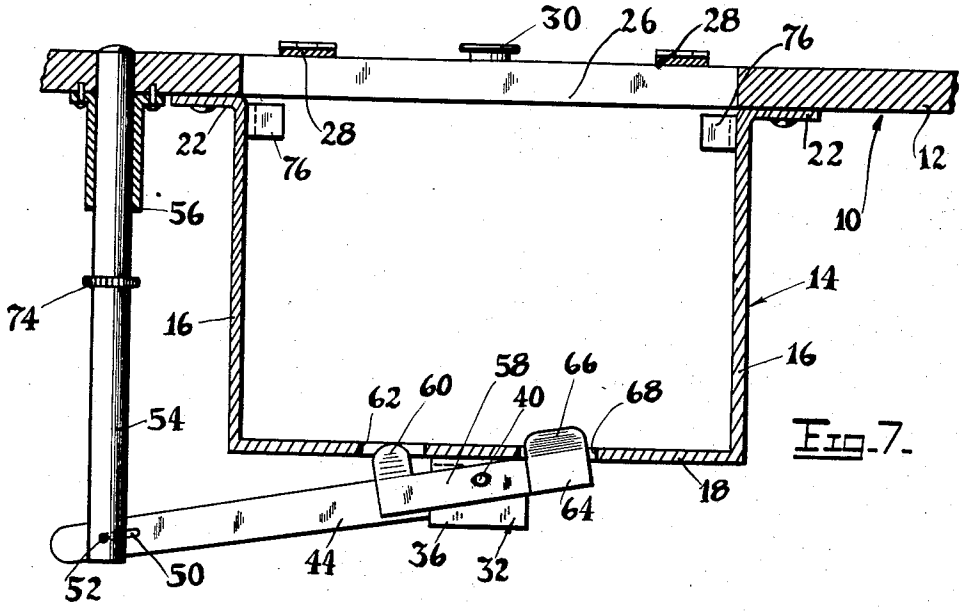


Fig. 7.

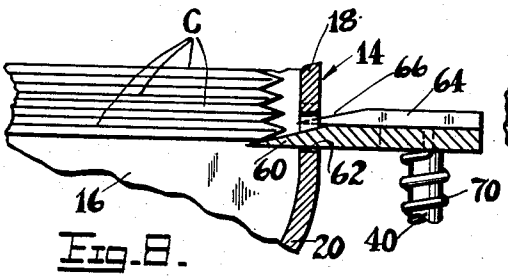


Fig. 8.

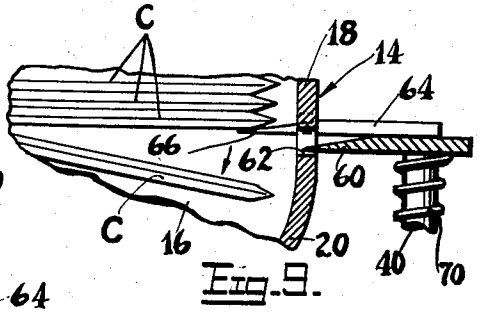


Fig. 9.

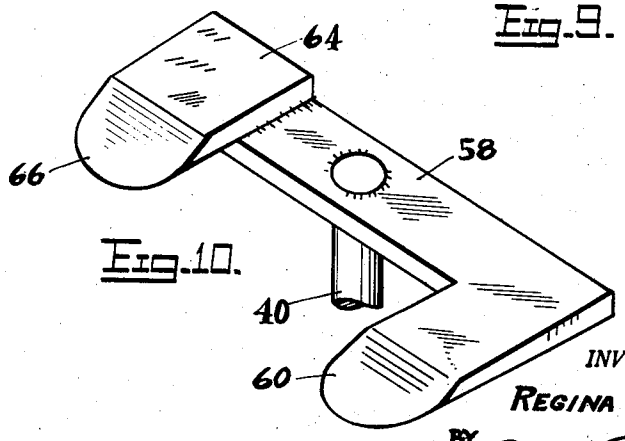


Fig. 10.

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2,852,159

ADVERTISING LITERATURE AND ARTICLES DISPENSER FOR TRUCKS

Regina Klein, New York, N. Y.

Application June 14, 1956, Serial No. 591,404

1 Claim. (Cl. 221—194)

Summarized briefly, the present invention is a chute-like container, mountable upon the inner surface of the side wall of a truck body and having an outlet at its lower end accessible from without the truck body, said outlet being normally closed by a door. The container is adapted to hold a quantity of advertising literature, and associated with the container is means for dispensing a single item of said literature responsive to pressing of a button projecting outwardly from the truck body.

Often, one may observe a particular truck, owned by a company and used in performing the regular company operations. The observer may desire to make contact with the company, for the purpose of making use of its services. Further, the company may desire to provide means associated with the truck for dispensing advertising literature to those interested in having the same. Accordingly, one important purpose of the present invention is to provide a device mountable in a truck body to permit either of these desirable objects to be attained, so that one may be directed, by a suitable sign on the truck, to press a button on the wall of the truck body, in such a way as to cause a single piece of advertising literature to be dispensed from the truck body.

Another object is to provide a device as stated which will be provided with a novelly designed means for insuring the dispensing of a single piece of literature, responsive to depression of a button accessible from outside the vehicle.

A further object is to form a card or advertising literature dispenser as stated that will be capable of manufacture at low cost, will be capable of preassembly as a unit, and will be mountable in a truck body with a minimum amount of effort.

Another object is to provide a dispensing device as stated which will be compactly designed, so as to take a minimum amount of the load-receiving space of the truck body.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a side elevational view of a truck equipped with a pair of advertising literature dispensers formed in accordance with the present invention.

Fig. 2 is an enlarged section taken longitudinally through the dispenser, on line 2—2 of Fig. 1.

Fig. 3 is a view in elevation of the dispenser as seen from the right of Fig. 2.

Fig. 4 is a fragmentary, enlarged perspective view of the dispenser.

Fig. 5 is a sectional view, still further enlarged, of the means for effecting the discharge of a single piece of advertising literature responsive to the depression of a push button, taken on line 5—5 of Fig. 2.

Fig. 6 is a sectional view, the scale being slightly smaller than that of Fig. 5, on line 6—6 of Fig. 2, showin the single item dispensing means of Fig. 5.

Fig. 7 is a view like Fig. 6 with the literature-dispensing means adjusted to a position for release of a single piece of literature.

Fig. 8 is an enlarged, detail section on line 8—8 of Fig. 5 with the literature-dispensing means in its normal position of Fig. 6.

Fig. 9 is a view similar to Fig. 8 with the literature-dispensing means in its Fig. 7 position.

Fig. 10 is an enlarged perspective view of the literature-dispensing arm.

Referring to the drawings in detail, a truck body 10 which can be of any design or size, has a side wall 12 on which are mounted a plurality of card dispensers 14 formed according to the invention. Any number of dispensers may be mounted on the truck body, and they can be at any location as, for example, on the door of the cab of the truck, on the rear doors of the truck body, at both sides, etc. Since all of the dispensers are identical, the description of one would suffice for all.

The dispenser 14 includes an upwardly opening, vertically disposed, elongated, sheet metal housing having side walls 16 and a back wall 18. The front of the housing is closed by the side wall 12 of the truck.

Back wall 18 at its lower end has a forwardly curving extension 20, curving through ninety degrees and terminating at the side wall 12.

Integral with side walls 16 are outwardly directed longitudinal flanges 22 connected by screws or equivalent fasteners to the inner surface of the truck side wall 12. A depending flange 24 is integral with the lower end of extension 20 and is similarly connected to the truck wall.

At the lower end of the housing, side wall 12 is formed with an opening, closed by a door 26 hingedly connected at its upper edge at 28 to the side wall, said door being swingable between its closed and open positions, shown in full and dotted lines respectively in Fig. 2, through the medium of a handle 30 projecting outwardly from the door.

The cards or other advertising literature are inserted in the housing through the open upper end thereof, in a stack. The cards have been designated by the reference letter C and may contain any desired information. The cards are normally supported with the lowermost card of the stack disposed in a horizontal plane substantially coplanar with the top edge of the door-receiving opening, so as not to be accessible from without the truck. However, means is provided for controlled dispensing of the cards, one at a time, responsive to depression of a push button projecting outwardly from the truck.

Said means has been designated at 32 generally, and includes a generally C-shaped bracket 34 fixedly secured to and projecting outwardly from curved extension 20, said bracket having horizontal, vertically spaced legs 36, 38 formed with vertically aligned openings in which is rotatable a vertical stem 40 (Fig. 5). The lower end of the stem is threaded to receive a nut 42 bearing against the underside of the lower leg 38 and supported upon the lower leg 38 is an elongated arm 44 extending horizontally from the stem and formed at one end with a sleeve 46 receiving the stem, a setscrew 48 being threaded in the sleeve against the stem to connect the stem and arm 44 for joint rotational movement about the stem axis.

At its outer end, arm 44 projects beyond the adjacent side of the card housing, and has a longitudinal slot 50 (Fig. 6) receiving a pin 52 carried by the bifurcated inner end of an elongated plunger 54 slidable in a guide sleeve 56 secured to side wall 12. The plunger at its

outer end projects laterally from the truck body, so as to be depressible by one disposed outside the truck body.

Fixedly secured to the upper end of the stem, and lying in a plane normal to the length of the stem, is an elongated plate member **58**, integrally formed at one end with a forwardly projecting blade **60** sharpened as best shown in Figs. 9 and 10 to a knife edge and extending through a slot **62** formed in the housing extension **20**.

Secured fixedly to the other end of plate member **58** is a blade element **64**, also projecting forwardly from the plate member **58** and having a sharpened edge **66**.

Referring to Fig. 6, the knife edge **60** in the normal position of the parts projects forwardly from plate member **58** a greater distance than does knife edge **66**. Under these circumstances, knife edge **60** projects into the housing, so as to engage under the lowermost card of the stack in the manner shown in Fig. 8. Under the same circumstances, the knife edge **66** is recessed within its associated slot **68** so as not to engage any of the cards or other advertising literature.

Normally biasing the stem to the normal, Fig. 6 position thereof is a torsion spring **70** one end of which is anchored to the bracket **34** and the other end of which (Fig. 5) is anchored to the plate member **58**. The spring is tensioned so as to normally swing the plate member to its Fig. 6 position, and to limit swinging movement of the plate member and the associated components beyond said normal position, plunger **54** having a collar **72** engaging guide sleeve **56**, as shown in Fig. 6.

To the inner surfaces of side walls **16**, at the upper end of the dispensing opening closed normally by door **26**, there are secured confronting angle brackets **76** providing ledges supporting the cards C at the front corners of the cards. Sharpened or blade-like arm **60**, when normally positioned, supports the cards by engaging under the back edge portion of the lowermost card of the stack in the manner shown in Fig. 8.

To cause a single card to be dispensed, one depresses plunger **54**, shifting the same to its Fig. 7 position. This swings arm **44** rearwardly, rotating stem **40** a distance sufficient to retract blade arm **60**, while simultaneously extending arm **66** into the housing. Blade arm **66** is in a plane slightly higher than that of arm **60**, the distance between said planes being equal to the thickness of a single card as shown in Fig. 8. It may be noted that when blade arm **60** is being retracted, the blade arm **66** will immediately move under the stack, above the lowermost card, before the blade arm **60** is fully retracted out of a stack-supporting position. In this way, a proper support of the stack is assured at all times.

With the plunger fully depressed, blade arm **60** will be fully retracted as shown in Fig. 9, with blade arm **66** now supporting the stack above the lowermost card. The lowermost card is thus free to pivot upon the brackets, swinging downwardly a distance sufficient to permit one to open the door **26** and grasp the same, whereby to pull it completely out of the dispenser.

When the push button is released, spring **70** will return the parts to their normal position and before the blade arm **66** is fully retracted out of stack-supporting position, the blade arm **60** will have been moved back into position under the stack. When the parts are fully back to their normal position, the stack will have dropped down a distance equal to the thickness of the card that was previously dispensed, awaiting the next use of the device.

A coin vending device may also be provided for selling

literature, food or refrigerated articles in the dispenser, which may be seen through suitable transparent windows.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

A dispenser for a stack of flat, rectangular, flexible sheets comprising a front wall having an opening therein, an elongated housing secured to said front wall, said housing having side walls and a back wall, said back wall having a forwardly curving lower end terminating the bottom of said opening in the front wall, a door pivotally secured to said front wall closing the opening therein and opening outwardly therefrom, said housing having an open top for insertion of said sheets into the housing, brackets secured to the side walls at said opening to support said sheets at front corners thereof, said back wall having a pair of spaced slots disposed just above the curved lower end thereof opposite said brackets, a support disposed on the exterior of the back wall, a stem pivotally mounted in said support, a plate member secured to the upper end of the stem and pivotal therewith, a pair of spaced wedge-shaped blade arms extending forwardly from said plate member, said blade arms being disposed in closely spaced, horizontal planes, said planes being spaced apart a distance equal substantially to the thickness of one of said sheets, one of said blade arms normally extending through one of the slots and supporting a rear portion of the lowermost one of said sheets, the other of said blade arms being extendible through the other slot into the stack immediately above the lowermost sheet on retraction of said one blade arm, a spring mounted on said support and biasing the stem to a position extending said one blade through said one slot, a linkage disposed outside the housing and terminating in a plunger extending through said front wall, said linkage connecting with said stem, said plunger being manually operable to pivot said plate member so that said one blade arm is retracted to release the rear end of the lowermost sheet while the other blade arm advances to support the remainder of the stack at the rear thereof, said one blade being extended forwardly by pivotal movement of said stem by said spring upon manual release of said plunger, said lowermost sheet being held adjacent said opening in a horizontal position by said brackets and the remainder of the stack after release by said one blade arm, so that said lowermost sheet is manually removable through said opening upon opening of said door.

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