

CERTIFICATE OF APPROVAL No 5/6A/50

This is to certify that the pattern and variants of the

Wayne 730 BE Driveway Flowmeter

submitted by Wayne Pumps Australia Pty Ltd, 29 Anzac Highway, Keswick,
South Australia, 5035,

have been approved under the Weights and Measures (Patterns of Instruments)
Regulations as being suitable for use for trade.

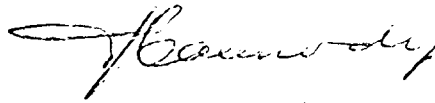
Approval was granted on 30 May 1974.

The pattern and variants are described in Technical Schedule No 5/6A/50, and
in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 June 1979.

All instruments conforming to this approval shall be marked with the approval
number "NSC No 5/6A/50".

Signed



Executive Officer

30/5/74



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 5/6A/50

WPK 12/8/74
Pattern: Wayne R730 BE Driveway Flowmeter

Submitter: Wayne Pumps Australia Pty Ltd,
29 Anzac Highway,
Keswick, South Australia, 5035.

Date of Approval: 30 May 1974

All instruments conforming to this approval shall be marked "NSC No 5/6A/50".

Description:

The pattern (see Figures 1 to 3) is of a receipt-printing driveway flowmeter. It is a self-serve instrument, with provision for remote supervisory control from a control console.

The pattern and variants are modifications of the Wayne 730 B Driveway Flowmeter as described in Certificate No 5/6A/13. The modification comprises fitting the following components:

1. Gas-separation test valve (see Figure 2) — as described in Technical Schedule No 5/6A/13 - Variation No 1.
2. Kienzle receipt-printing automatic-reset computer Wayne P 11161 (see Figures 4 and 5). The computer is in three sections — an automatic-reset indicator section, a ticket printer, and a 99.9-cent variator section.

The variator comprises price-posting wheels, a key-operated price-setting mechanism, and a mechanical computer which multiplies quantity by unit price to obtain total price.

The indicator section displays the quantity in 0,1-litre (or gallon) increments to 999,9 litres (or gallons) and total price to \$99,99 in 1-c increments.

The ticket printer prints the quantity in 0,01-litre (or gallon) increments to 999,99 litres (or gallons) and total price to \$999,99. A sample ticket is illustrated in Figure 6.

An electric motor resets the indicator and ticket printer to zero and actuates the ticket-printing mechanism, which prints the ticket and drops it into a ticket tray.

3. Starting-lever Interlock (see Figures 7 and 8) — Removing the nozzle from its hang-up allows the starting lever to rise and by means of a switch start the computer reset motor. * After the computer and ticket printer have reset to zero the pump motor will start.

Replacing the nozzle on its hang-up stops the pump motor, engages an interlock to prevent the pump motor being restarted until the computer is reset to zero, and allows a ticket to be printed. The interlock position of the starting lever is illustrated in Figure 8.

4. Sealing Cover Plates (see Figures 9 and 10) — These prevent access to the price-posting wheels and to the mechanism driving the price-posting wheels; they are sealed on each side of the computer by wires, the ends of which terminate in lead plug seals.

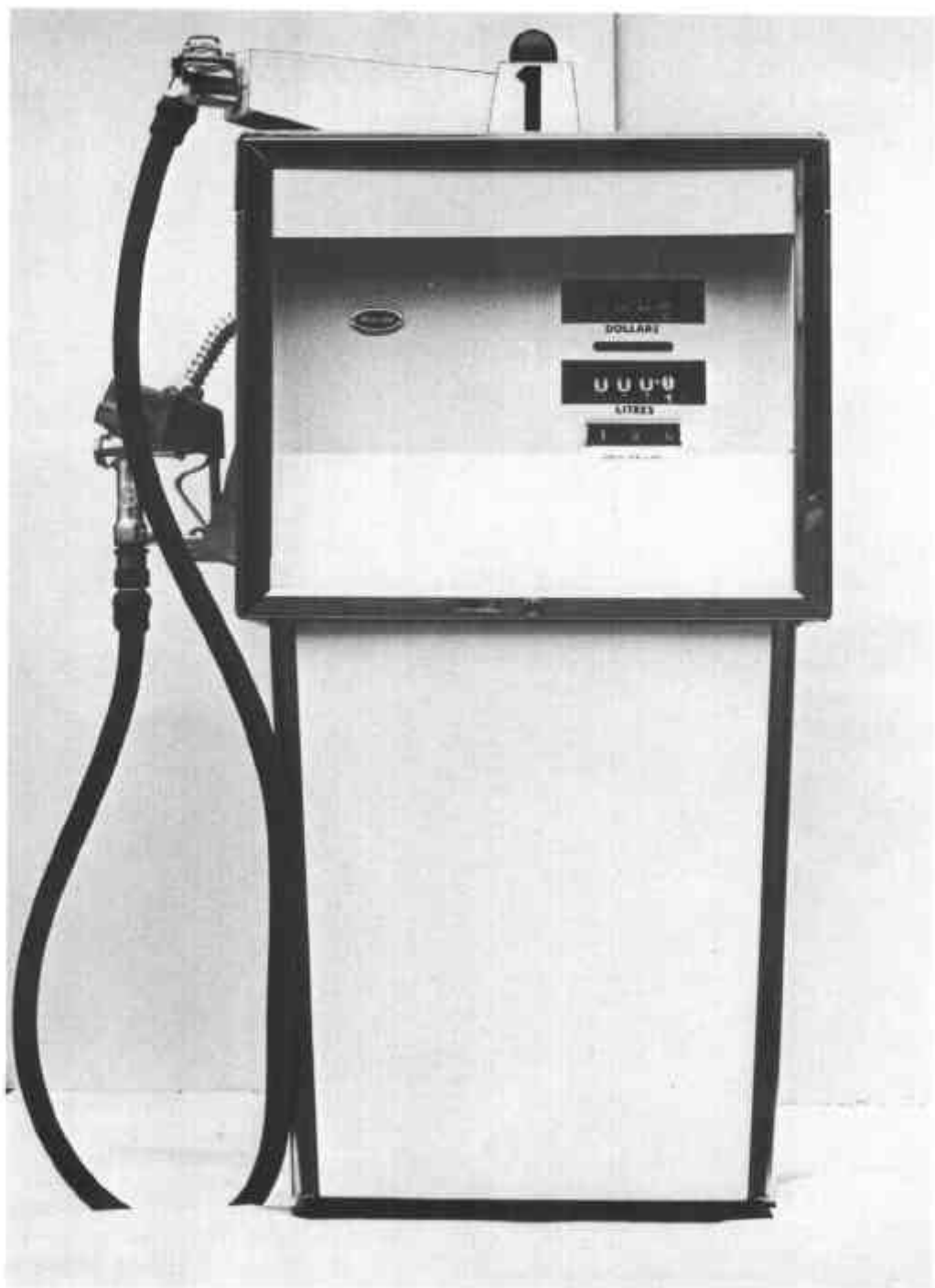
Similarly, a cover is sealed over the gas-separation test valve, and over the meter calibration adjustment.

5. Dial face — illustrated in Figure 11.
6. Sight glass — Wayne P 11283, full-flow type (see Figure 12).

The approved maximum flow rate is 50 litres per minute.

* The electric reset unit may be prevented from operating until a remote authorisation switch is operated.

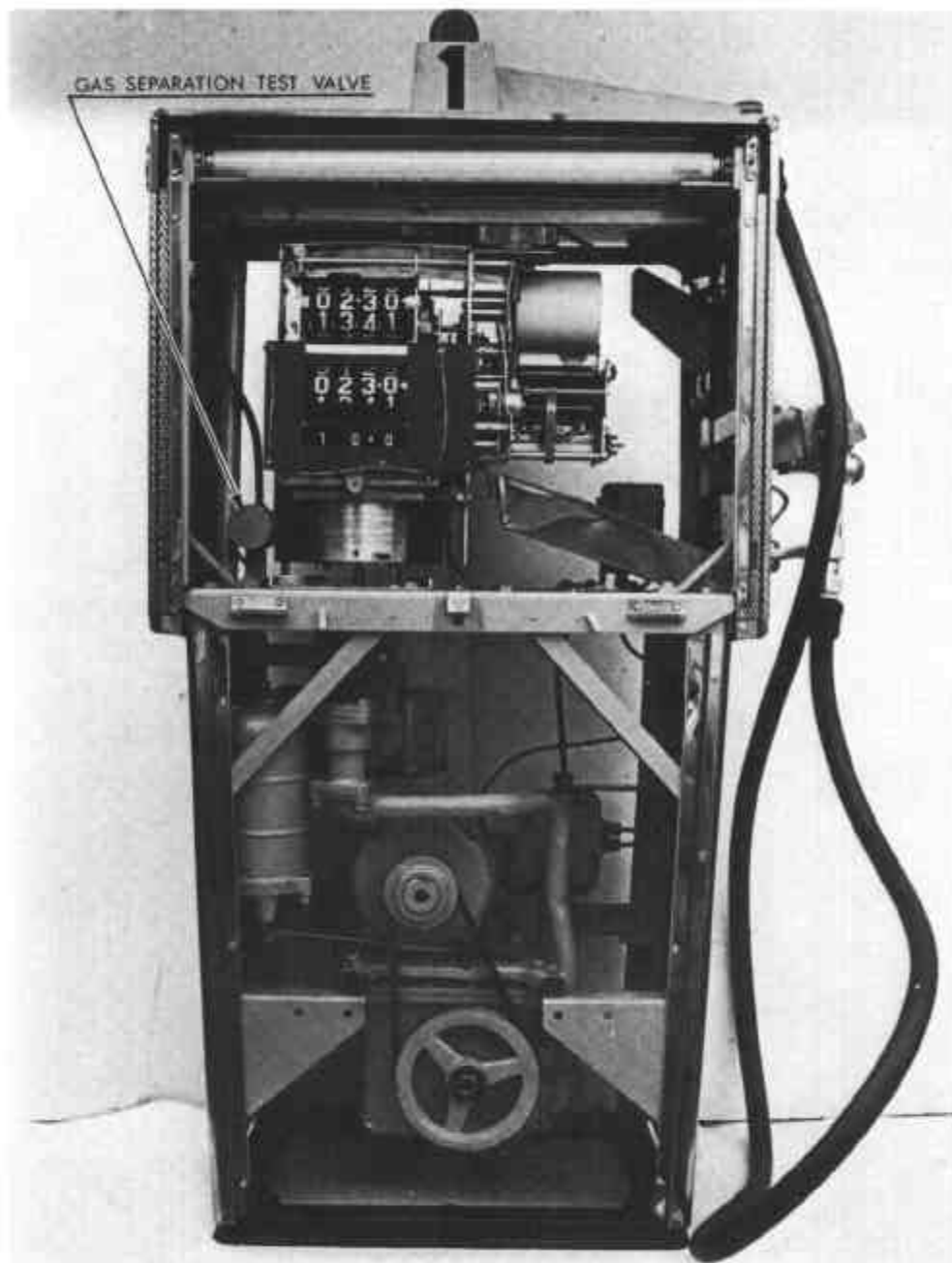
FIGURE 5/6A/50 - 1



Wayne 730 BE Self-serve Driveway Flowmeter

11/6/74

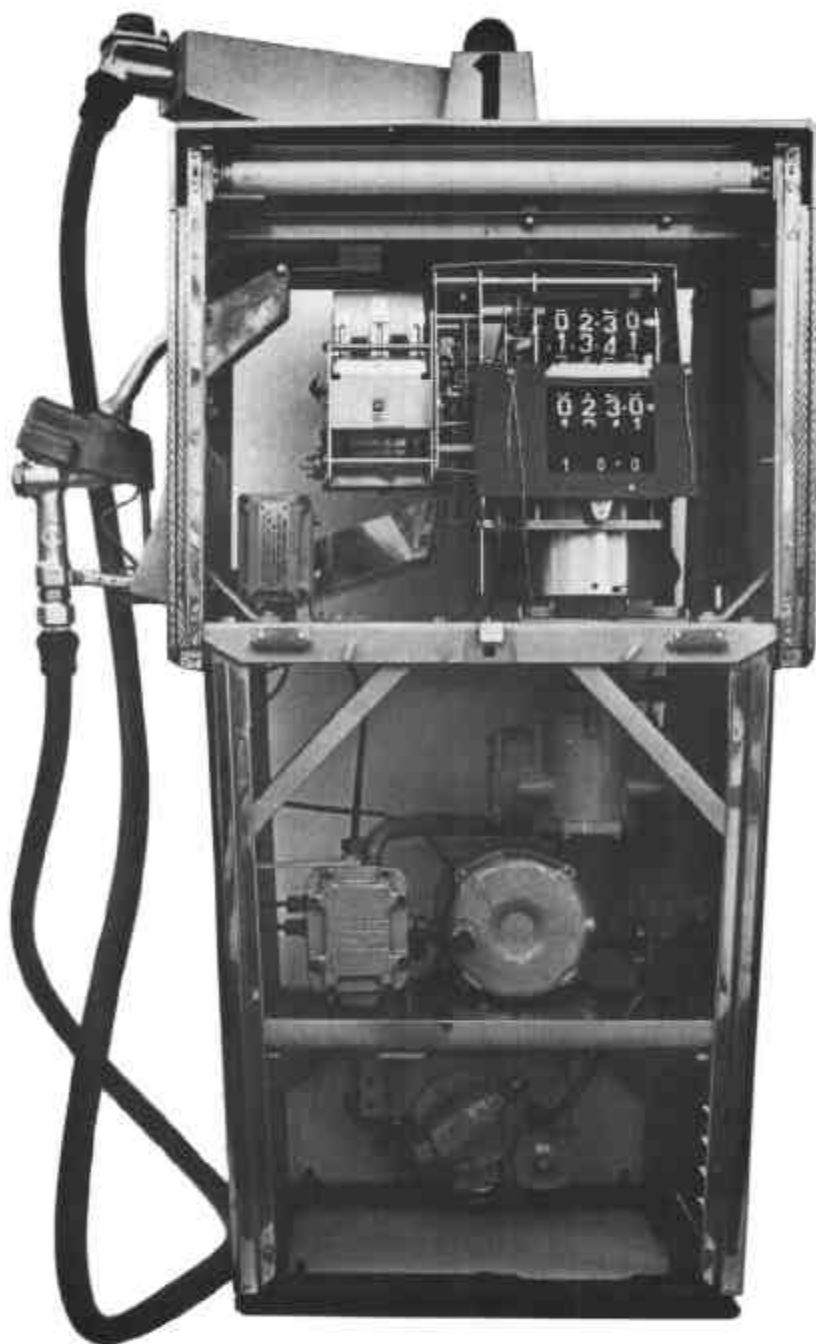
FIGURE 5/6A/50 - 2



Wayne 730 BE Self-serve Driveway Flowmeter

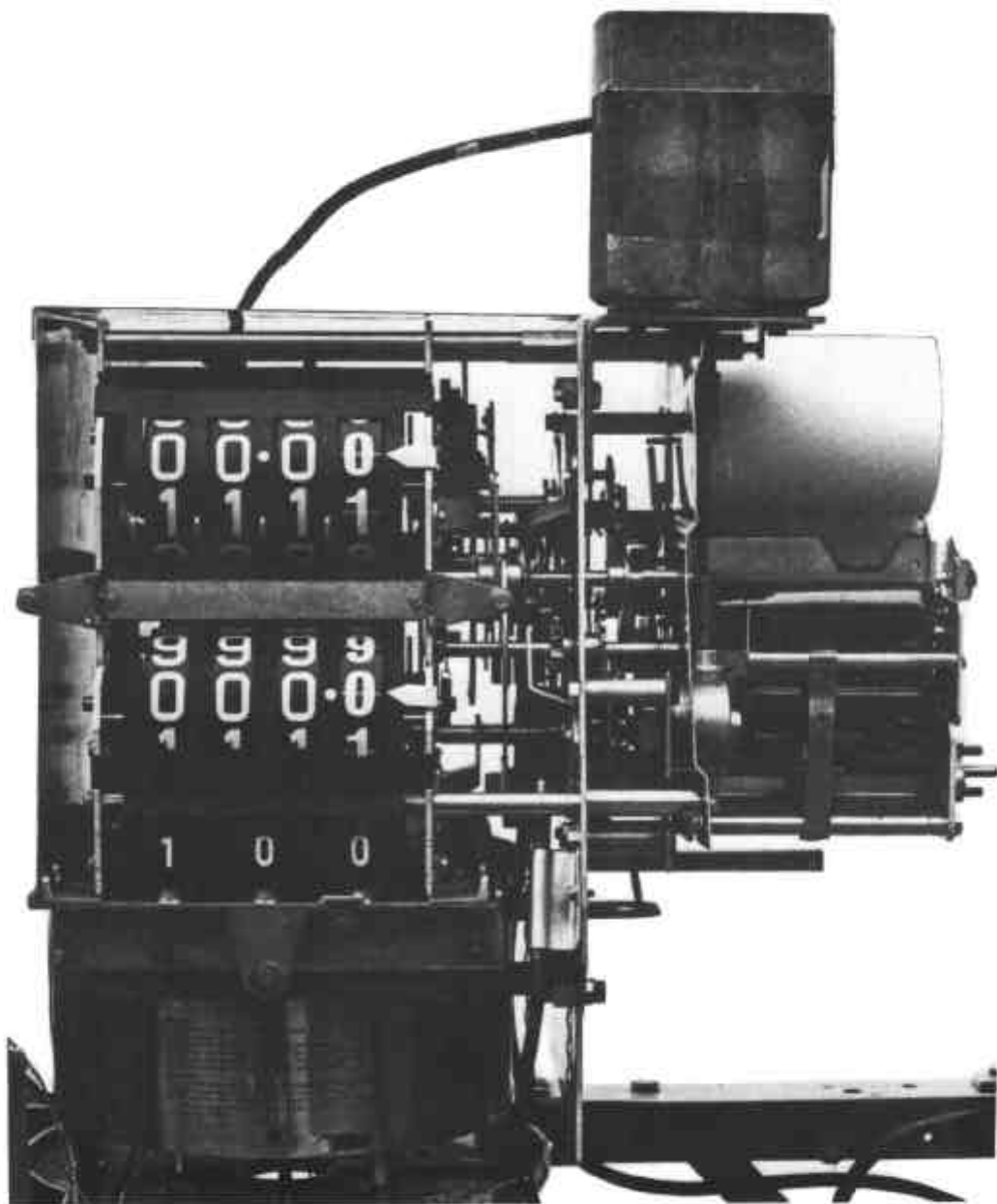
11/6/74

FIGURE 5/6A/50 - 3



Wayne 730 BE Self-serve Driveway Flowmeter
11/6/74

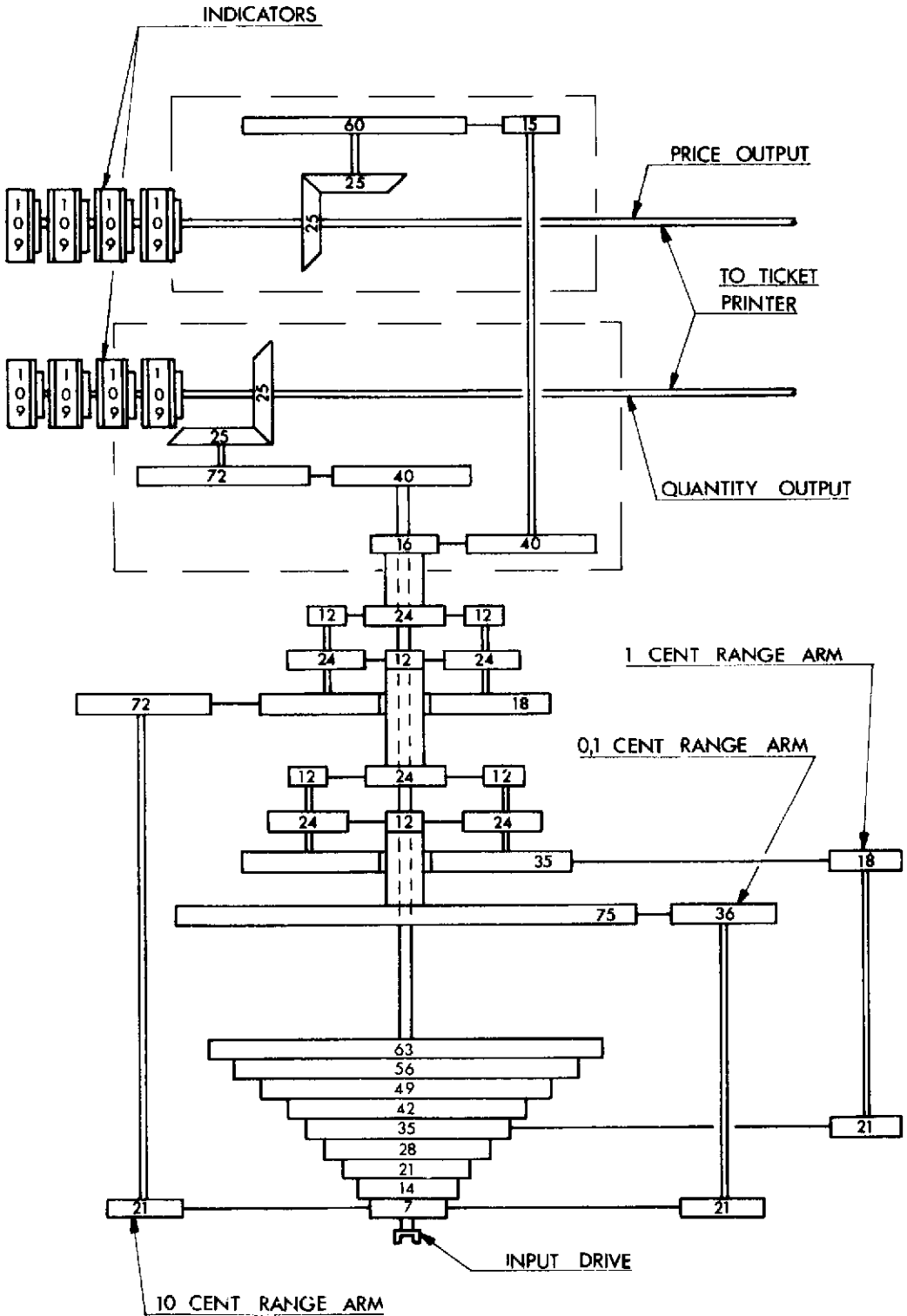
FIGURE 5/6A/50 - 4



Kienzle Receipt-printing Computer

11/6/74

FIGURE 5/6A/50 - 5



Kienzle Receipt-printing Computer — Schematic Drawing of Variator and Indicator

11/6/74

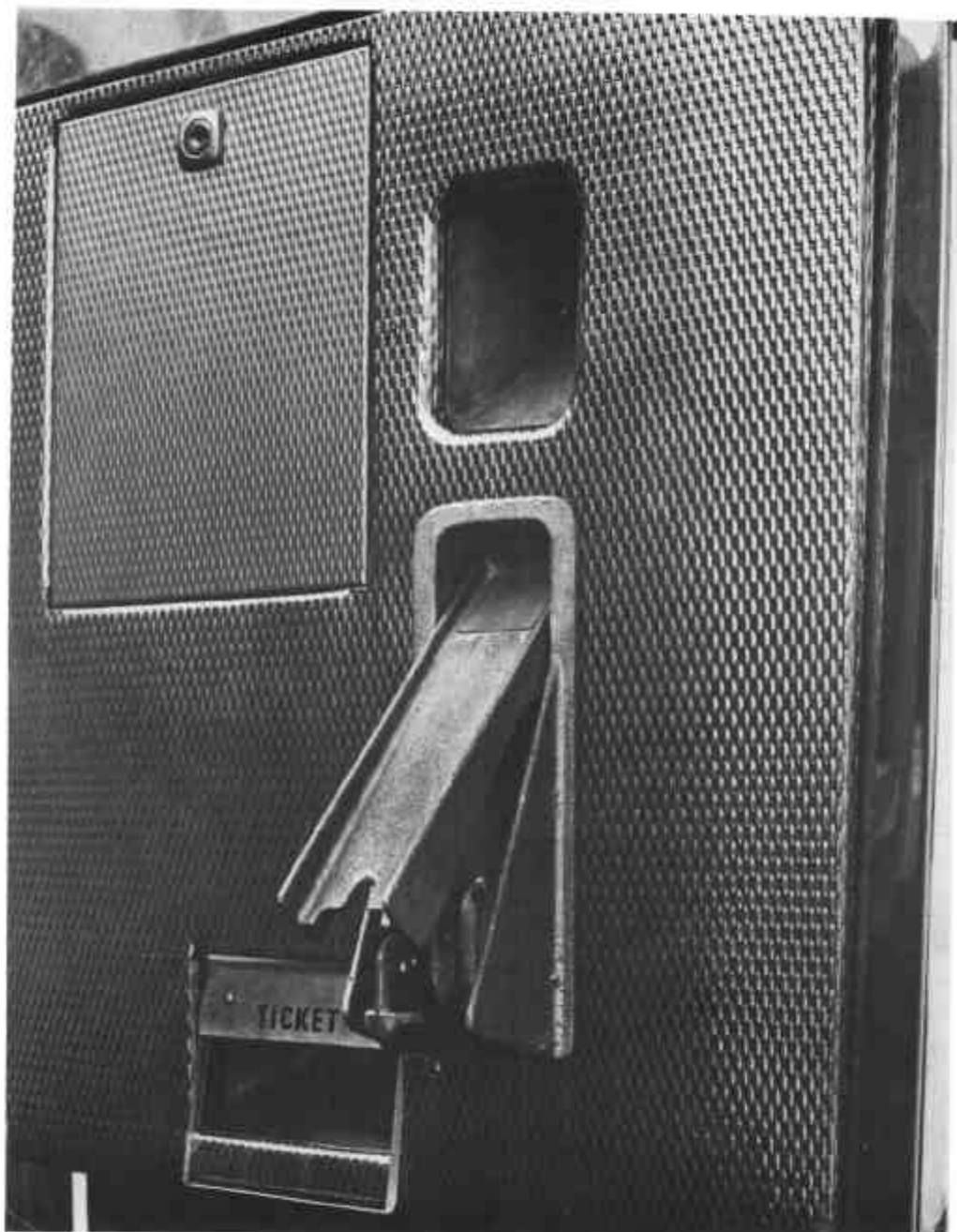


AMERICAN FLUIDE
CORPORATION
ENCLOSURE PRICE
0 2 2 2 0 0 2 0, 0 0 \$ 0 0 2, 0 0

Sample Ticket

11/6/74

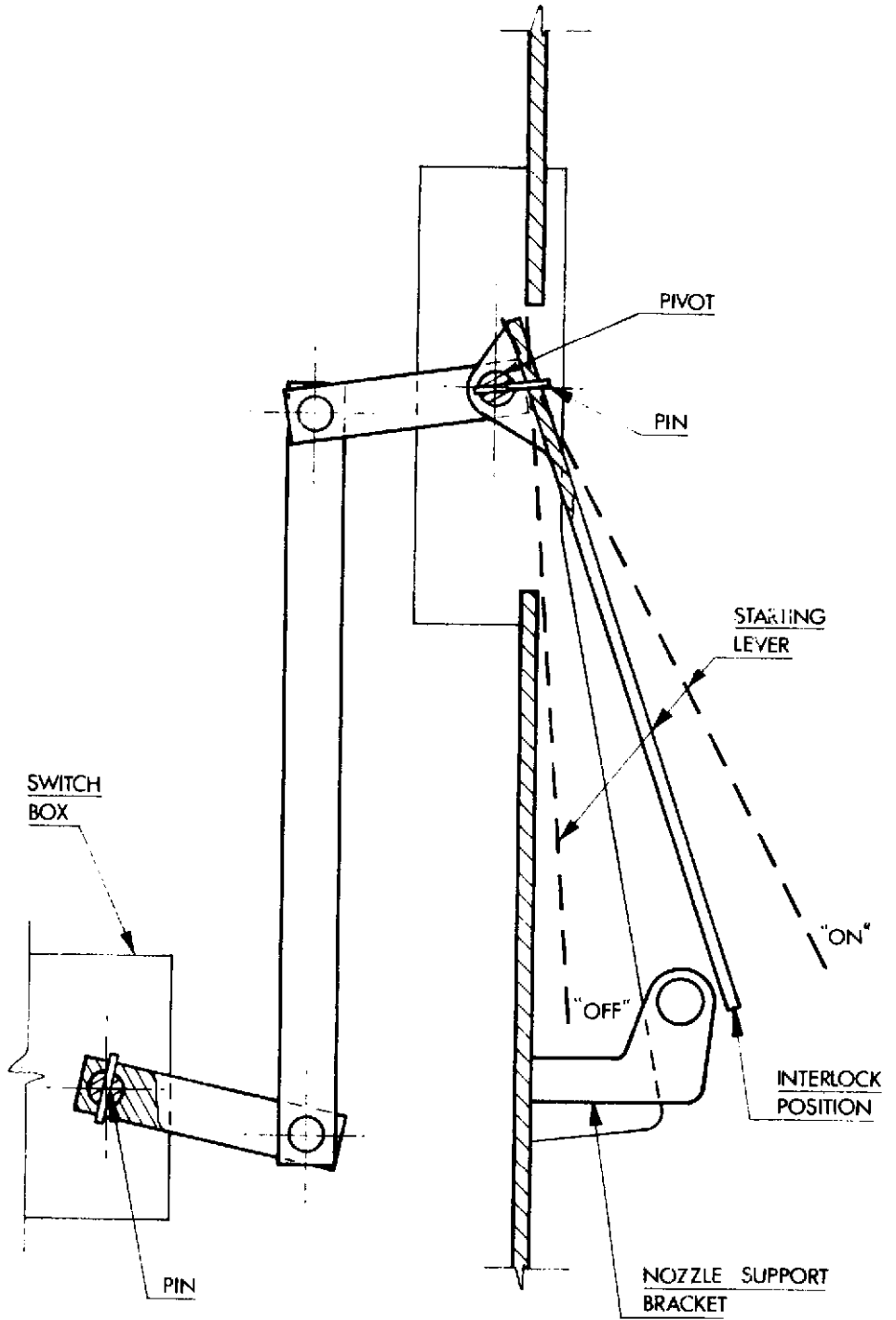
FIGURE 5/6A/50 - 7



Starting Lever and Ticket Tray

11/6/74

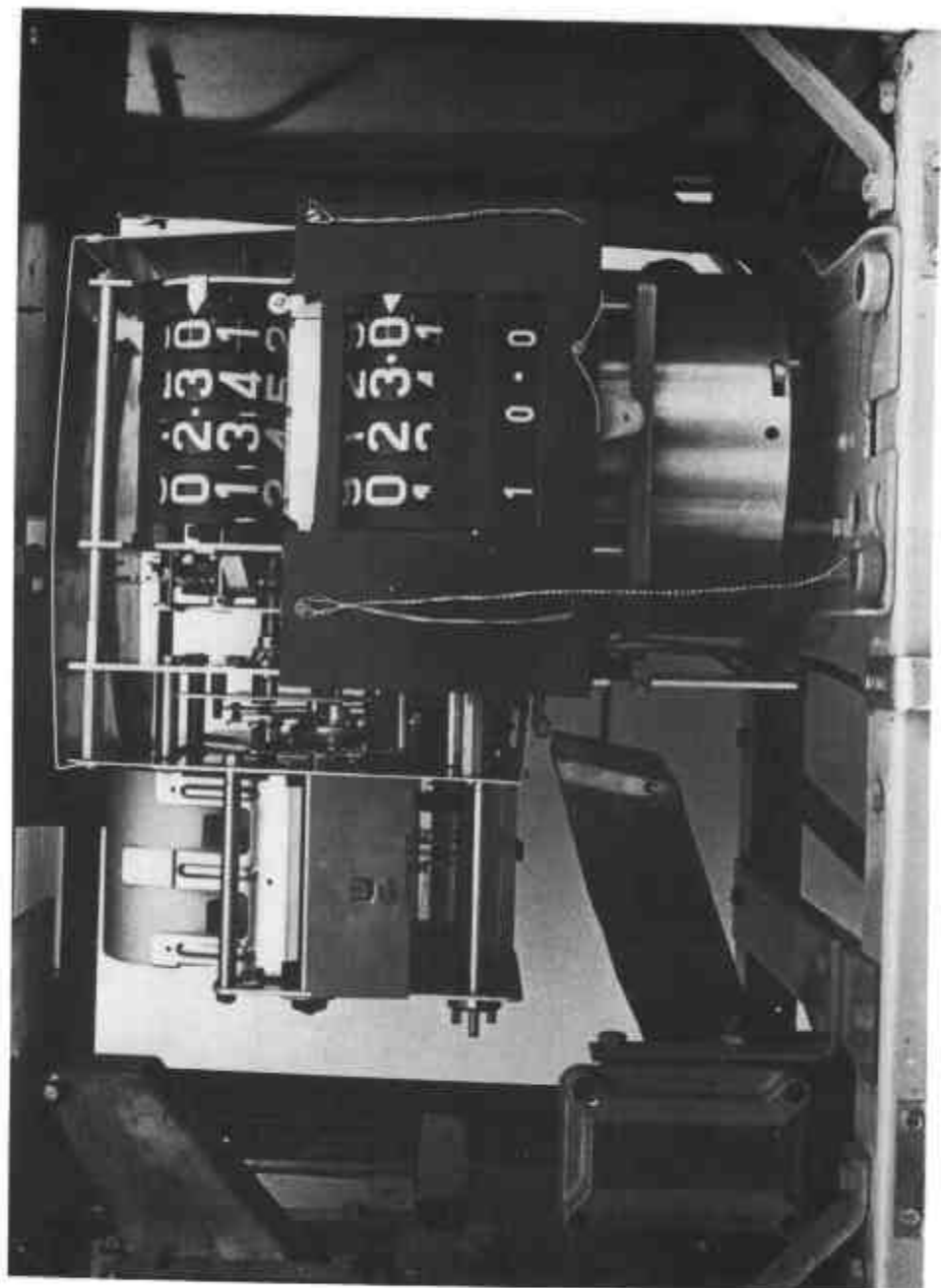
FIGURE 5/6A/50 - 8



Starting-lever Interlock

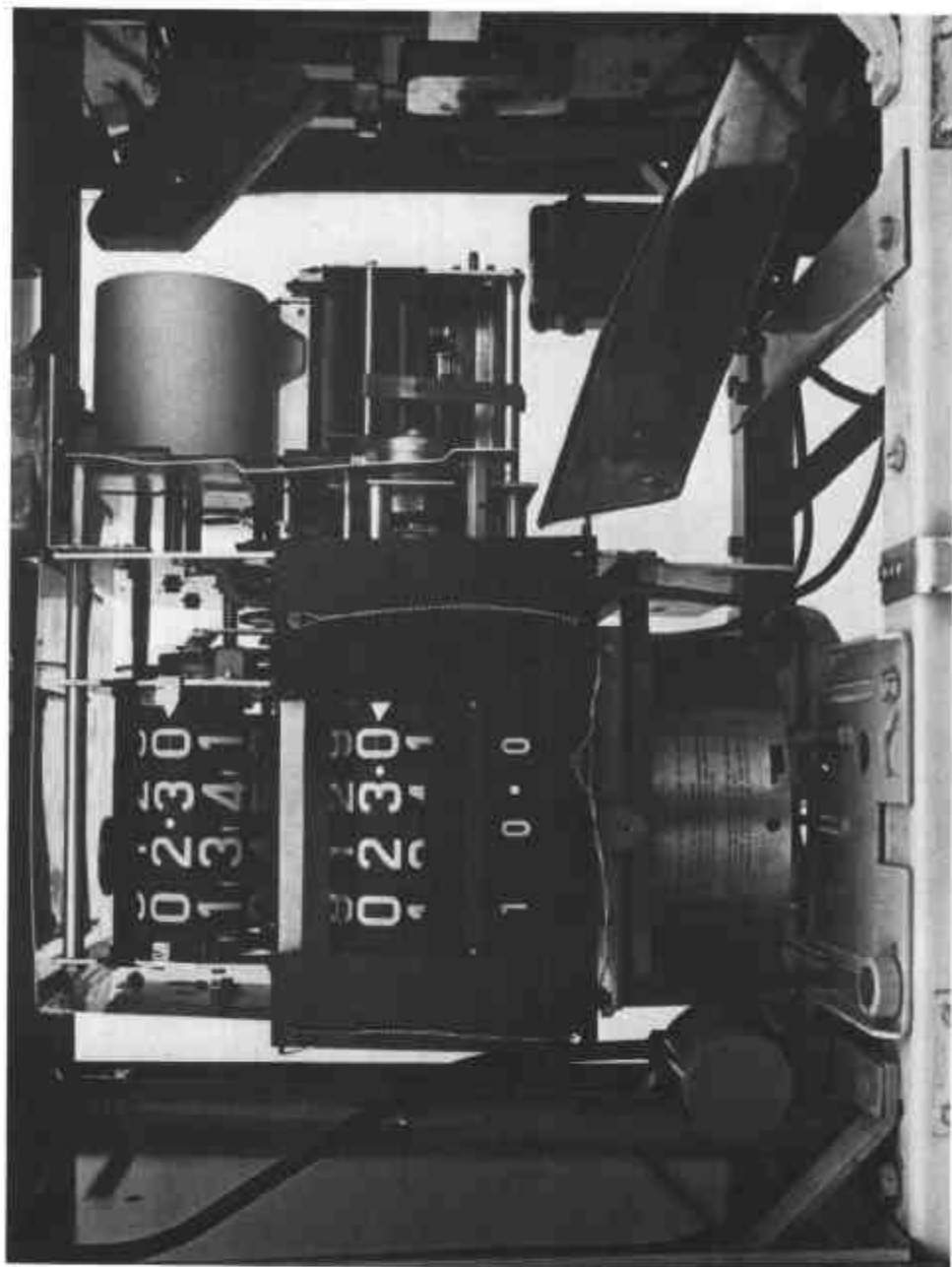
11/6/74

FIGURE 5/6A/50 - 9



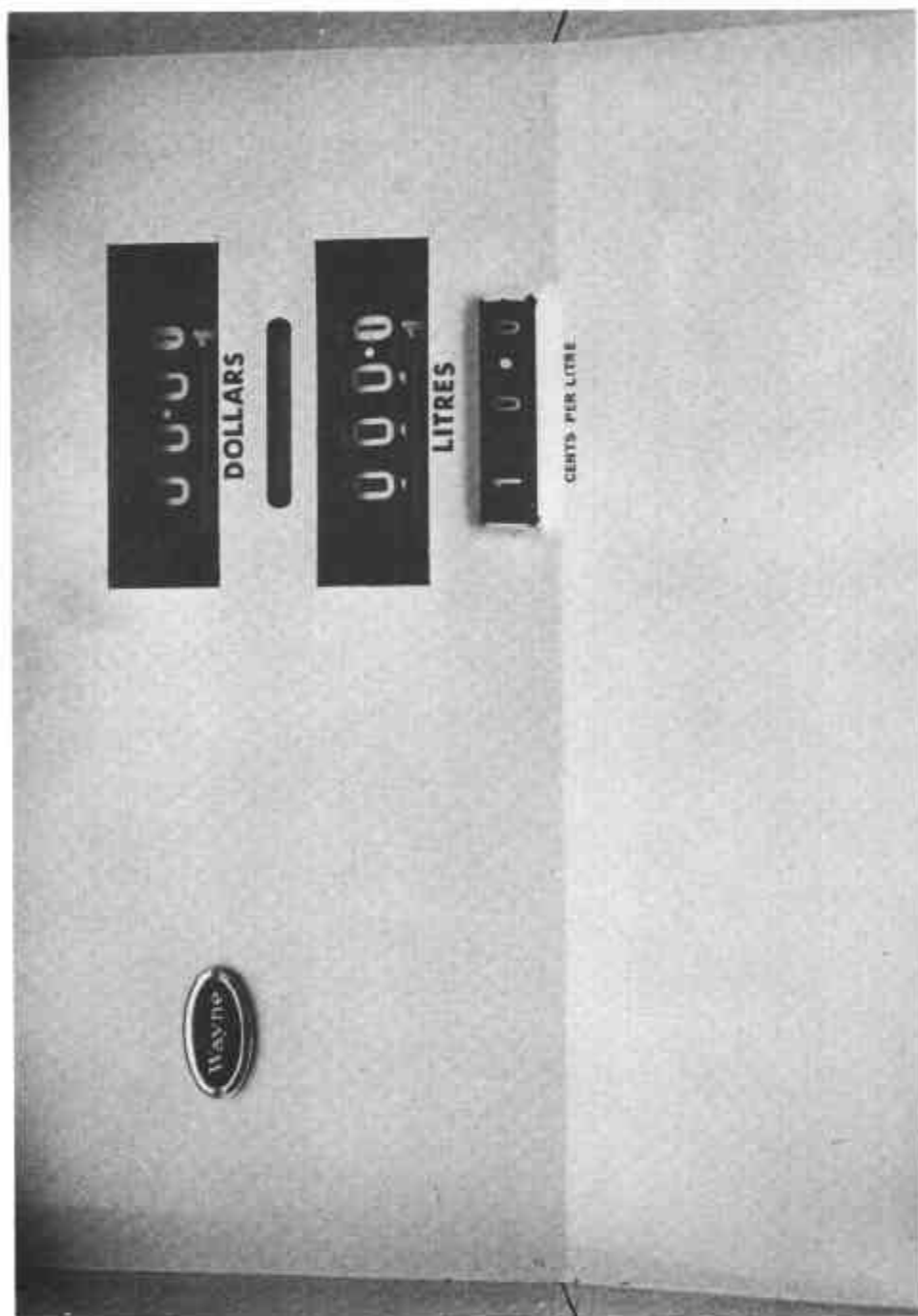
Kienzle Computer — Method of Sealing

FIGURE 5/6A/50 - 10



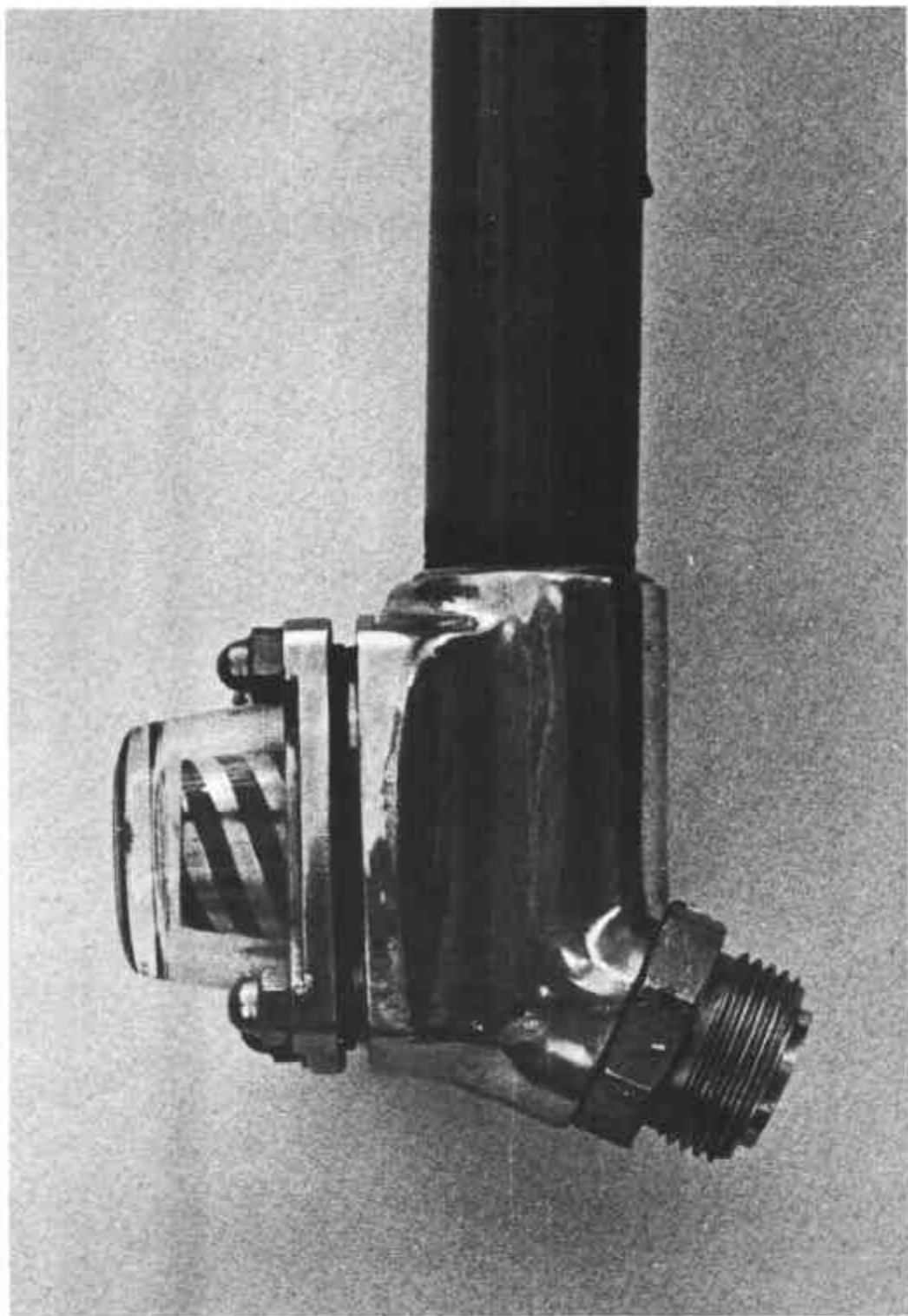
Kienzle Computer — Method of Sealing

FIGURE 5/6A/50 - 11



Dial Face

FIGURE 5/6A/50 - 12



Wayne P 11283 Sight Glass

11/6/74