our ref:

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CERTIFICATE OF APPROVAL No 6/4D/57

This is to certify that the patterns of the

Toledo 8300 Weighing Instrument

submitted by Toledo-Berkel Pty Ltd,
525 Graham Street,
Port Melbourne, Victoria, 3207,

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

Date of Approval: 5 June 1975

The patterns are described in Technical Schedule No 6/4D/57, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 June 1980.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4D/57".

Signed

Acting Executive Officer

Bull 7

26/8/75

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/57

Pattern: Toledo 8300 Weighing Instrument

Submittor: Toledo-Berkel Pty Ltd,
525 Graham Street,
Port Melbourne, Victoria, 3207.

Date of Approval: 5 June 1975

Condition of Approval:

All instruments conforming to this approval shall be marked "NSC No 6/4D/57".

Description:

The pattern (see Figure 1) is of a self-indicating prepackaging counter machine of maximum capacity 9,995 kg by 0,005-kg increments with price-computing in 1-c increments from 1c to $99,99 per kg and total price to $99,99. Weight is digitally indicated on the operator's side (see Figure 2).

The load receptor is supported by a lever system (see Figures 3 and 4), having a Toledo "15-lb" cantilever load cell as the resistant mechanism.

The unit price is entered by means of four rotary switches.

The instrument will re-zero automatically whenever the instrument comes to rest within one graduation of zero; a press button which illuminates when zero is set within 0,25 increment of zero is provided for re-zeroing the instrument when the zero has changed by more than one increment.

Twelve push buttons marked 0 to 9, T (tare) and C (clear) allow a pre-selected tare or an automatic tare mode to be selected (see Figure 2). Preselected tare in 0,005-kg increments to 0,995 kg is entered by sequentially pressing the appropriate value buttons and then the tare

button. The value of the tare selected is indicated on the weight indicator prefixed by a minus (-) sign.

The automatic tare mode with a maximum effect of 0,995 kg is selected by the tare button. A container placed on the load receptor is automatically tared to within 0,0005 kg when the tare button is pressed and on removal of the container the value of the tare is indicated on the weight indicator prefixed by a minus (-) sign.

Selector switches (see Figure 5) will allow the weight indicator to remain blank, other than at zero, until the instrument reaches equilibrium, and the tare to automatically cancel after a weighing or the tare to remain until cancelled by the clear button.

The self-adhesive label ticket printer (see Figures 6 and 7) is inhibited to prevent printing for weights below 0,100 kg. Setting the unit price to $0,00/kg, holding the clear button pressed and disturbing the load receptor between each weighing, will allow weights below 0,100 kg to be printed.

The unit price may be selected by coded "price rite" tabs attached to a commodity plate on the ticket printer (see Figure 8). Insertion of a commodity plate with "price rite" tabs over-rides the manual price setting and allows a bank of photo-cells in the ticket printer to read the unit price set on the coded price tabs.

The instrument is provided with a level indicator and four adjustable feet (see Figures 1 and 2). Adjacent to the level indicator is a notice advising that the instrument must be level when in use.

An automatic monitor circuit will blank out all indicators and prevent printing if any segment of the 7-bar numerals of the weight indicator is not working. Its operation may be checked by selecting the test position on the "reset and lock" test switch (see Figure 2); this introduces a simulated fault, causing the indications to blank out. The switch must be returned to the reset and lock position to reinstate the weight indication.

The instrument is marked adjacent to the weight-reading face:

(III)

Max = 9,995 kg
Min = 0,100 kg
d_d = 0,005 kg
T = - 0,995 kg

not for retail counter use

Special Tests:

As this instrument is provided with an automatic device which resets zero when the weighing mechanism is in equilibrium within 1 graduation of zero and, as the operator has a press-button zero mechanism which will reset zero should the zero be outside the range of the automatic zero device, attention may need to be given to ensure that zero is within acceptable limits during lengthy tests. If during any series of tests the instrument does not meet the required tolerance, zero should be rechecked by removing the load and the zero reset, or allowed to automatically reset, before the load is replaced.

Level Sensitivity:

When the instrument is tilted so that the bubble in the level indicator moves 2 mm, zero should not change, and when tested in the tilted position the instrument should satisfy the weighing-accuracy specifications, that is, $\pm \frac{1}{2}$ graduation for the first 500 graduations and $\pm$ 1 graduation over 500 and up to 2000 graduations.

Price-computing Accuracy

The indications and, if appropriate, the printing of weight, unit price and total price, as listed in Table 1, will indicate that the price-computing and weight circuits are functioning correctly. The exact figures should be indicated as rounding is effected within the computer.

TABLE 1

Indicated and Printed Weight kg	Price per kg $	Total Price $
0,000	00,00	00,00
0,100	99,99	10,00
0,105	98,99	10,39
0,110	97,99	10,78
0,120	96,99	11,64
0,130	95,99	12,48
0,140	94,99	13,30
0,150	93,99	14,10
0,160	92,99	14,88
0,170	91,99	15,64
0,180	90,98	16,38
0,190	89,85	17,07
0,200	79,77	15,95
0,300	69,66	20,90
0,400	59,55	23,82
0,500	49,44	24,72
0,600	39,33	23,60
0,700	29,22	20,45
0,800	19,11	15,29
0,900	09,14	08,23
1,000	30,51	30,51
2,000	20,03	40,06
3,000	17,00	51,00
4,000	17,00	68,00
5,000	15,00	75,00
6,000	14,00	84,00
7,000	14,00	98,00
8,000	12,00	96,00
9,000	11,11	99,99
9,995	10,00	99,95

Test Specification 9,995 kg by 0,005-kg Instrument

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/57

CHANGE No 1

The description of the

Toledo 8300 Weighing Instrument

given in Technical Schedule No 6/4D/57, is altered by adding an asterisk to the end of the second and seventh lines on page 2, and the following footnote:

* The instrument is approved only for a maximum tare value of 0,995 kg. If a tare larger than 0,995 kg is entered it will be displayed as a positive value on the mass indicator.

15/8/79

CANCELLED

NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/57

This is to certify that the approval of the

Toledo 8300 Weighing Instrument

advised in Certificate of Approval No 6/4D/57 dated 26/8/75 was cancelled on 27/5/81.

Signed

Executive Director

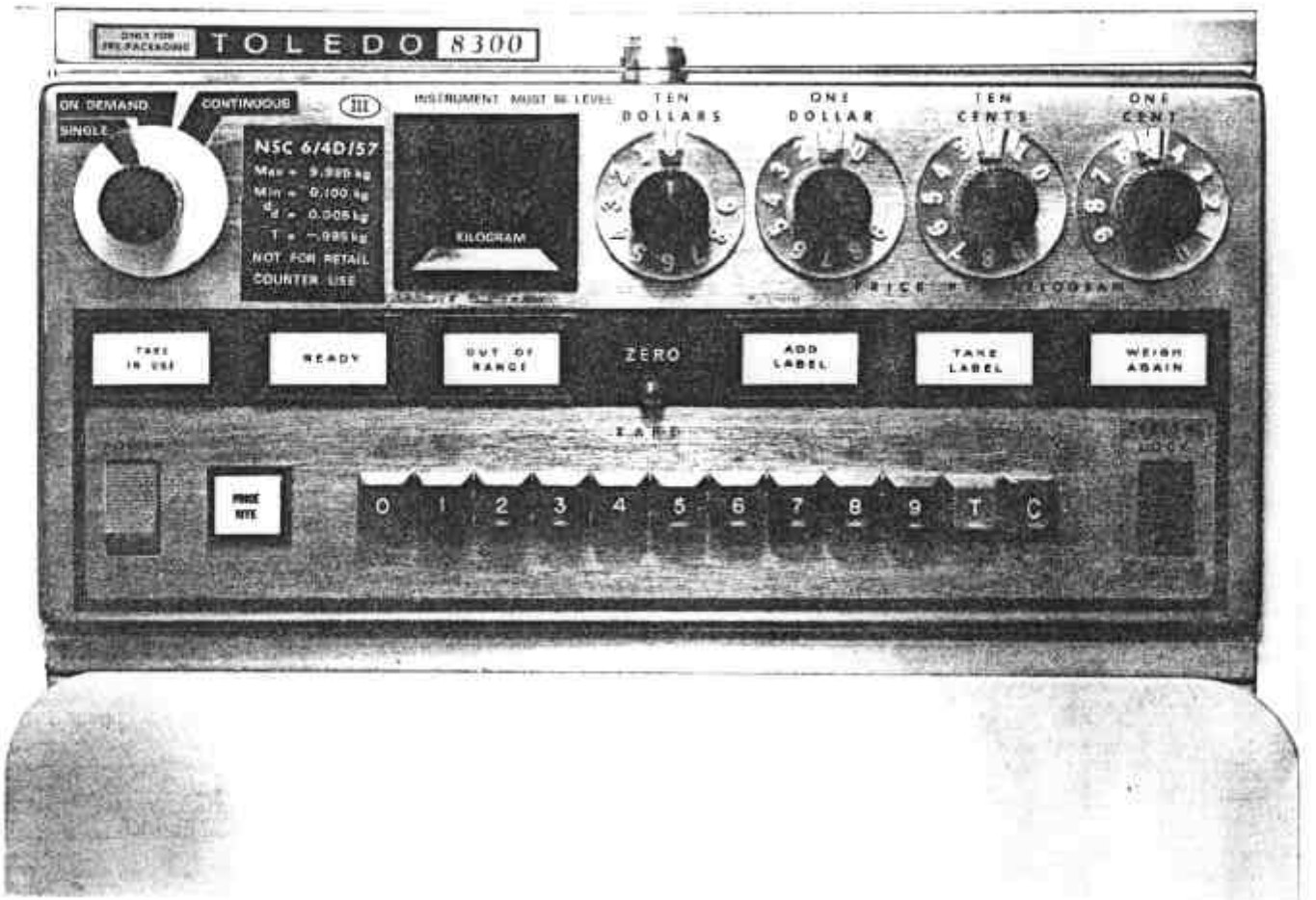
Note: Model 8300 is obsolete; it has been replaced by Model 8301.

27/5/81

FIGURE 6/4D/57 - 1

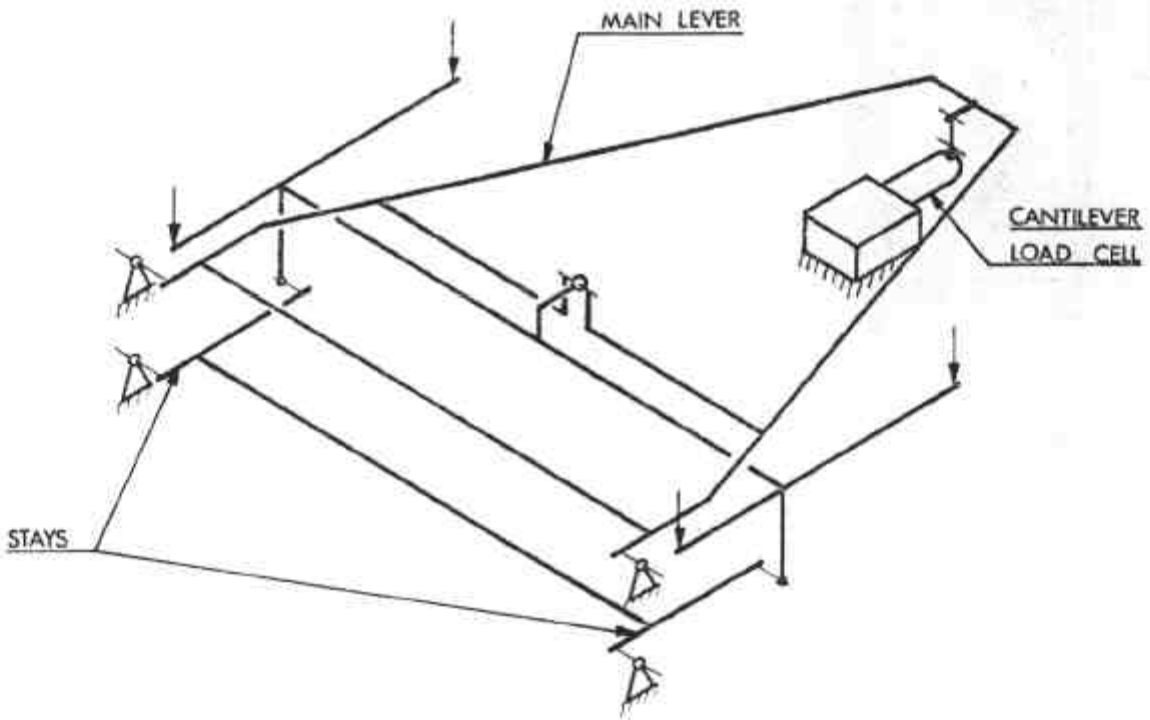
Toledo 8300

FIGURE 6/4D/57 - 2

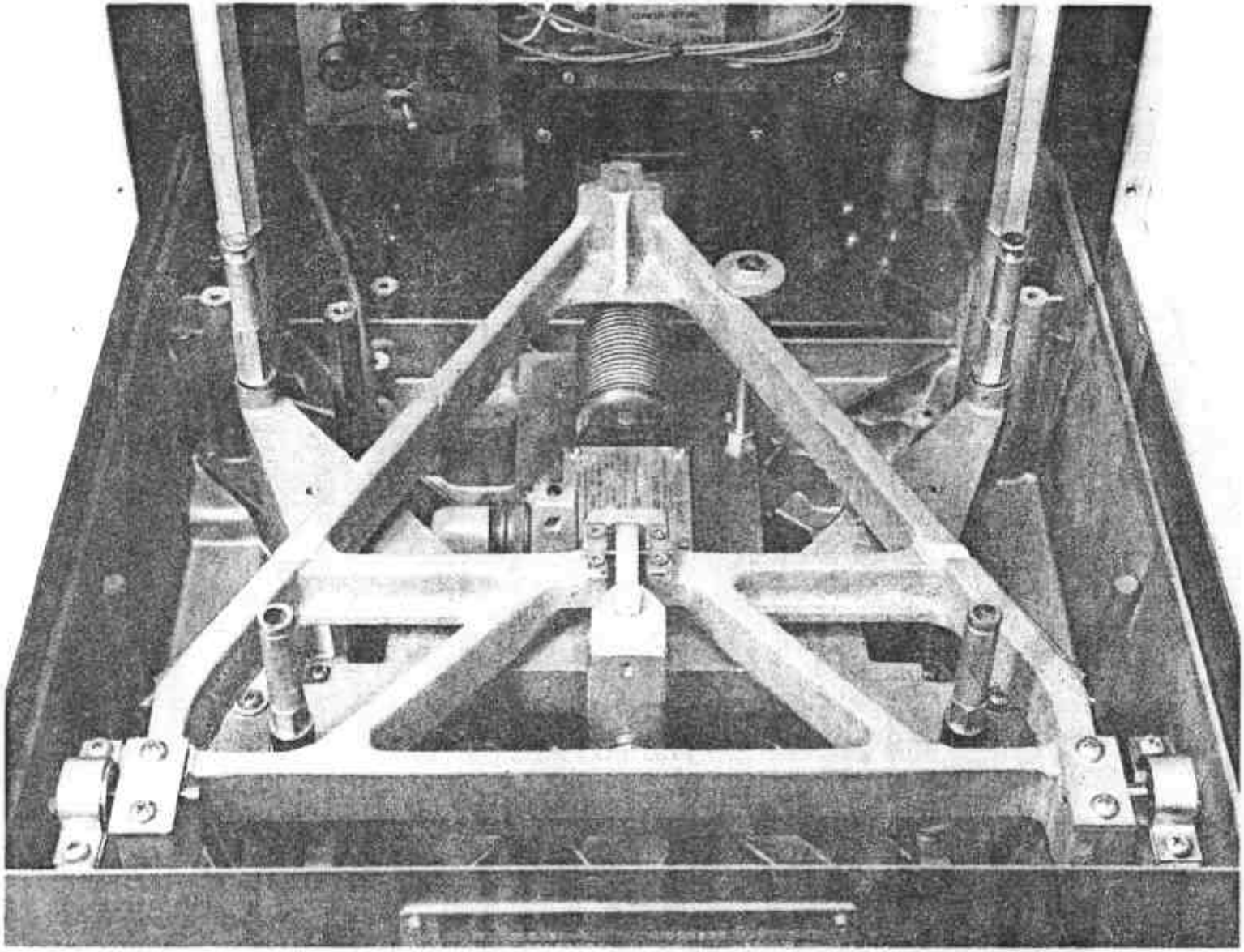


Toledo 8300

FIGURE 6/4D/57 - 3

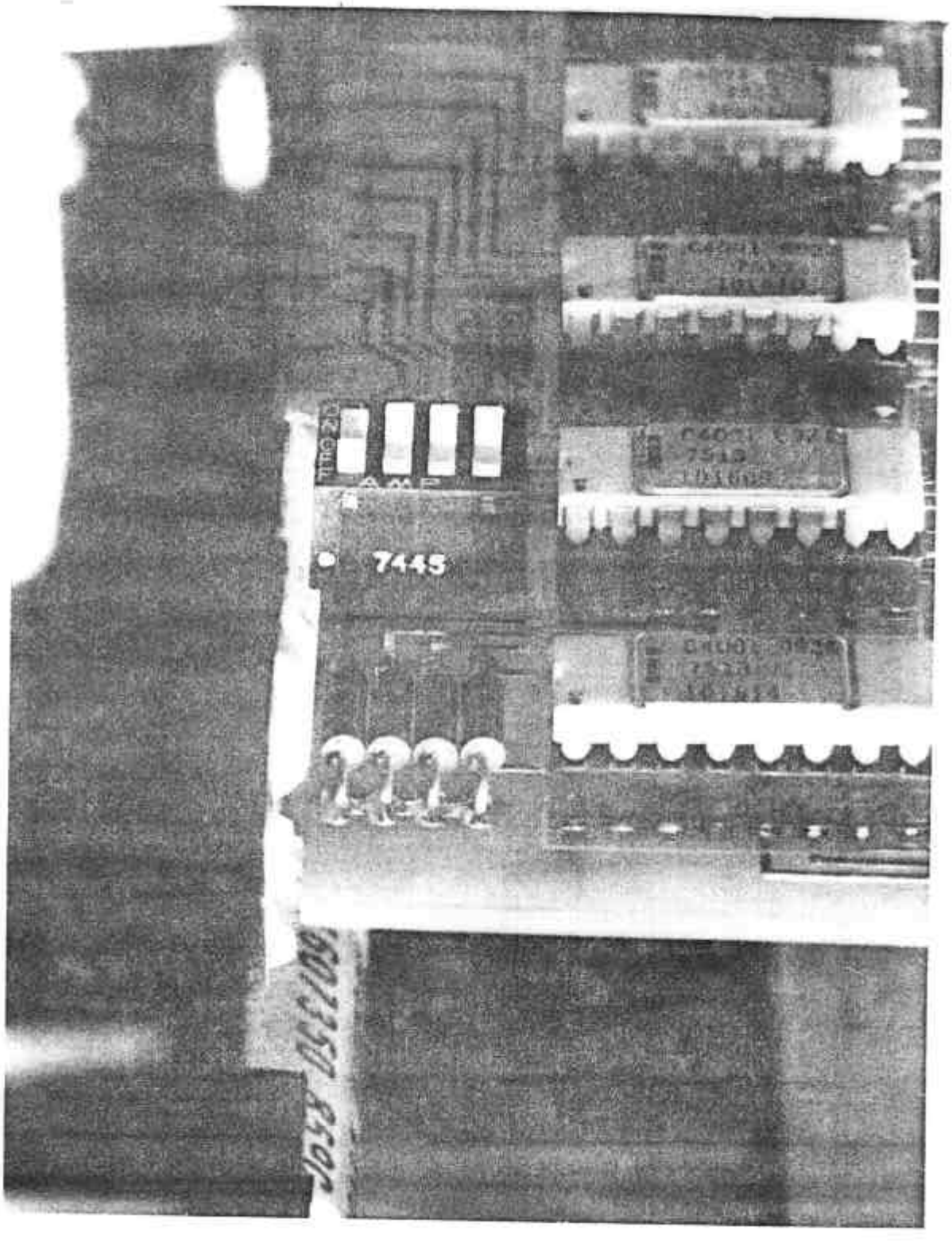


Lever System — Schematic Diagram



Lever System

FIGURE 6/4D/57 - 5



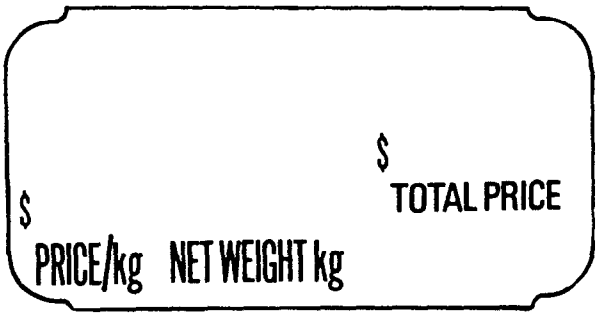
Selector Switches

FIGURE 6/4D/57 - 6

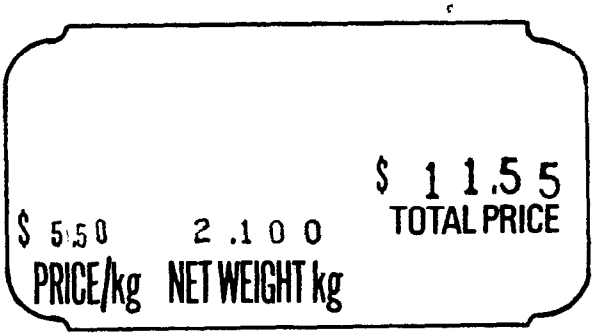
Printer

26/8/75

FIGURE 6/4D/57 - 7



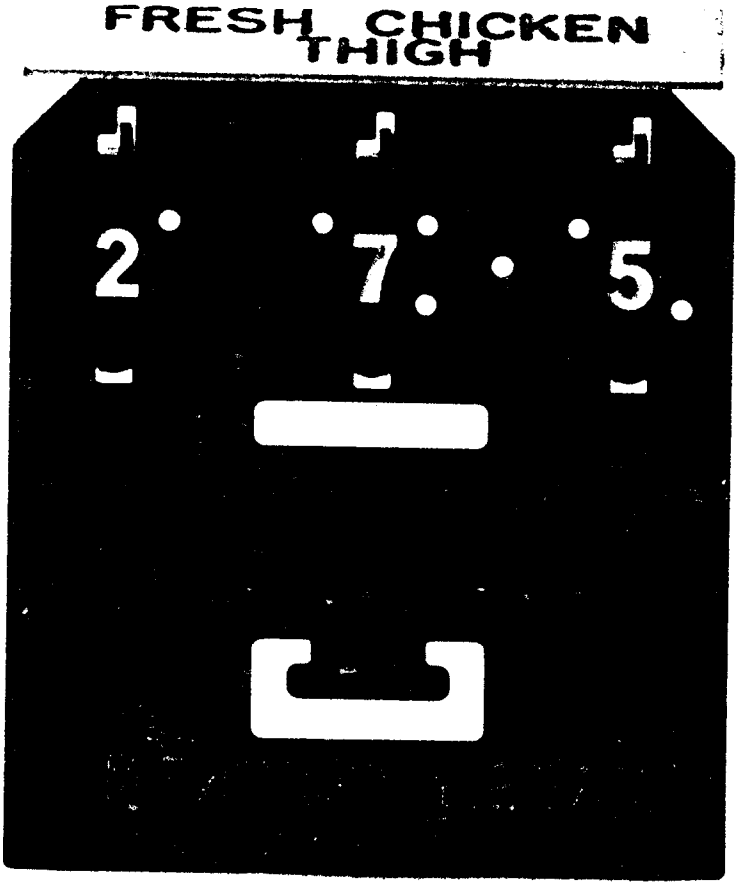
Before Printing



After Printing

Sample Ticket (actual size)

FIGURE 6/4D/57 - 8



"Price Rite" Commodity Plate