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CERTIFICATE OF APPROVAL No 6/4D/48

CANCELLED

VARIATION No 1

This is to certify that the following modifications of the pattern of the
Hi-Metron SC 3551 Weighing Instrument

approved in Certificate No 6/4D/48 dated 9 June 1975,

submitted by Tokyo Boeki (Australia) Pty Ltd,
333-339 George Street,
Sydney, New South Wales, 2000,

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

Date of Approval: 28 January 1976

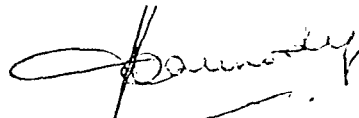
The approved modifications, described in Technical Schedule No 6/4D/48 —
Variation No 1 and in drawings and specifications lodged with the Commission,
provide for:

1. automatic cancellation of the unit price; and
2. a capacity of 5,2 kg.

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/48".

Signed



Executive Officer



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/48

VARIATION No 1

Pattern: Hi-Metron SC 3551 Weighing Instrument

Submittor: Tokyo Boeki (Australia) Pty Ltd,
333-339 George Street,
Sydney, New South Wales, 2000.

Date of Approval of Variation: 28 January 1976

The modifications described in this Schedule apply to the pattern described in Technical Schedule No 6/4D/48 dated 9 June 1975.

All instruments conforming to this approval shall be marked "NSC No 6/4D/48".

Description:

The approved modifications provide for:

1. the automatic cancellation of the unit price when a new unit price is selected with no load on the instrument;
2. the capacity being 5,2 kg. The instrument is marked adjacent to each weight indicator:

(III)

Max	=	5,2 kg
Min	=	0,100 kg
d _d	=	0,005 kg

Special Tests:

1. Level Sensitivity -- When the instrument is tilted so that the bubble in the level indicator moves 2 mm, the zero should not change by more than 2 graduations,

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and when zero is reset in the tilted position the instrument should satisfy the weighing-accuracy specification, that is, $\pm \frac{1}{2}$ graduation for the first 500 graduations, and ± 1 graduation for graduations over 500 and up to 1040 graduations.

2. Zero Adjustment -- Adjust zero so that the analogue zero indicator indicates zero. Check that zero is then set to within $\pm 0,25$ graduation by applying loads of 0,25 graduation and 0,75 graduation; the weight indicator should indicate zero and 1 graduation respectively.
3. Price-computing and Weight Circuits -- The indications of weight, unit price and total price as listed in Table 2 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

Weight indicated kg	Price per kg \$	Total price \$
0	0	0
0,005	99,99	0,50
0,010	99,98	1,00
0,020	99,87	2,00
0,030	99,77	2,99
0,040	99,60	3,98
0,050	99,55	4,98
0,060	99,46	5,97
0,070	99,34	6,95
0,080	99,23	7,94
0,090	99,12	8,92
0,100	98,11	9,81
0,200	18,90	3,78
0,300	27,80	8,34
0,400	36,50	14,60
0,500	45,92	22,96
0,600	54,99	32,99
0,700	63,99	44,79
0,800	72,50	58,00
0,900	81,00	72,90
1,000	82,13	82,13
1,500	83,10	124,65
2,000	84,50	169,00
2,500	90,18	225,45
3,000	91,10	273,30
3,500	93,20	326,20
4,000	95,50	382,00
4,500	98,80	444,60
5,000	99,99	499,95

TABLE 2

Weight indicated kg	Price per kg	Total price \$
0	0	0
0,100	99,99	10,00
0,105	99,99	10,50
0,110	99,96	11,00
0,120	99,87	11,98
0,130	99,77	12,97
0,140	99,60	13,94
0,150	99,55	14,93
0,160	99,46	15,91
0,170	99,34	16,89
0,180	99,23	17,86
0,190	99,12	18,83
0,200	18,91	3,78
0,300	27,80	8,34
0,400	36,50	14,60
0,500	45,92	22,96
0,600	54,99	32,99
0,700	63,99	44,79
0,800	72,50	58,00
0,900	81,00	72,90
1,000	82,12	82,12
1,500	83,10	124,65
2,000	84,50	169,00
2,500	90,18	225,45
3,000	91,10	273,30
3,500	93,20	326,20
4,000	95,50	382,00
4,500	98,80	444,60
5,000	99,99	499,95
5,200	99,99	519,95

Test Procedure 5,2-kg by 0,005-kg Instrument



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/48

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(III)

Max	=	5,2 kg
Min	=	0,100 kg
d_d	=	0,005 kg

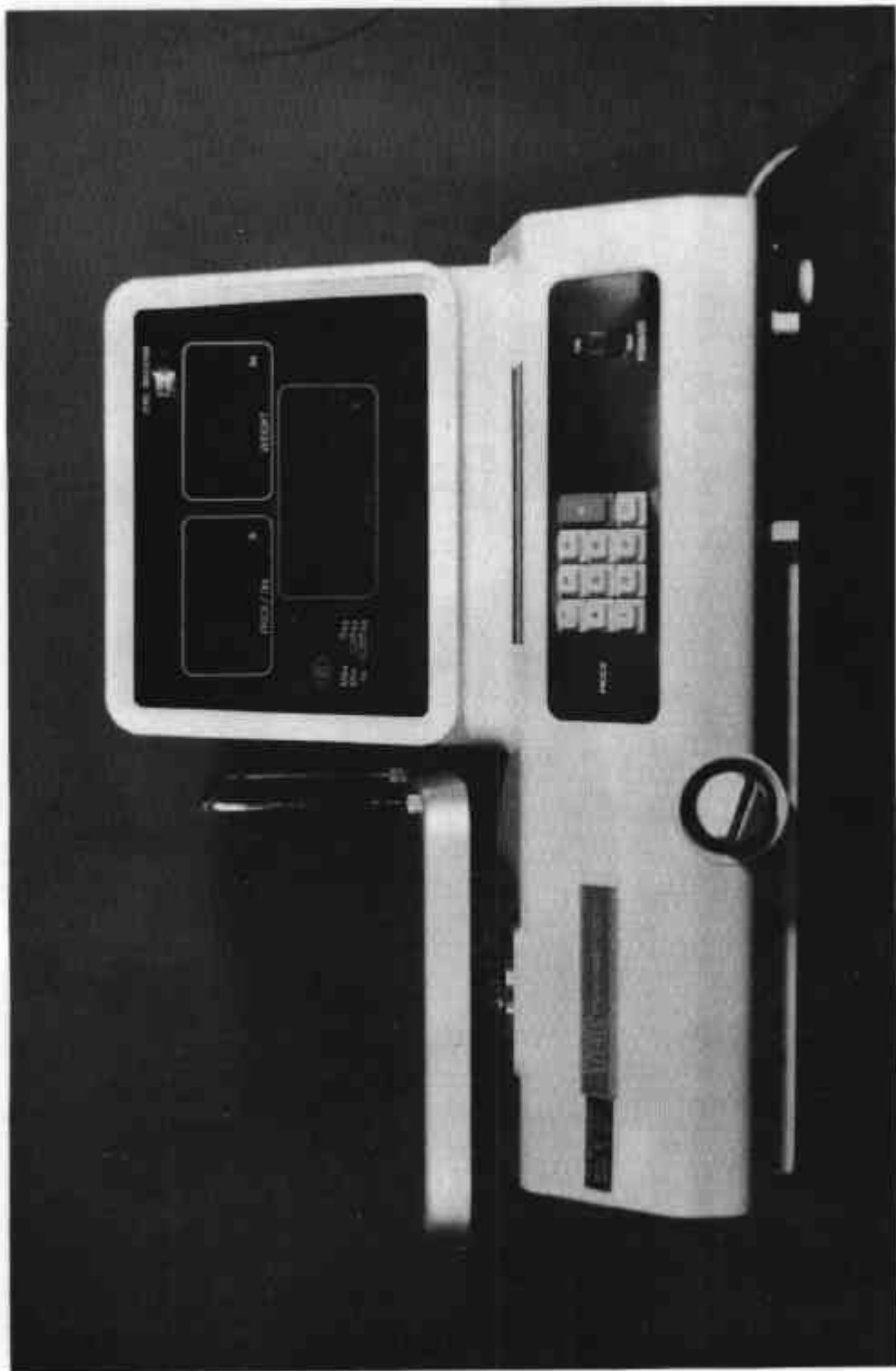
Special Tests:

1. Level Sensitivity -- When the instrument is tilted so that the bubble in the level indicator moves 2 mm, the zero should not change by more than 2 graduations,

and when zero is reset in the tilted position the instrument should satisfy the weighing-accuracy specification, that is, $\pm \frac{1}{2}$ graduation for the first 500 graduations, and ± 1 graduation for graduations over 500 and up to 1040 graduations.

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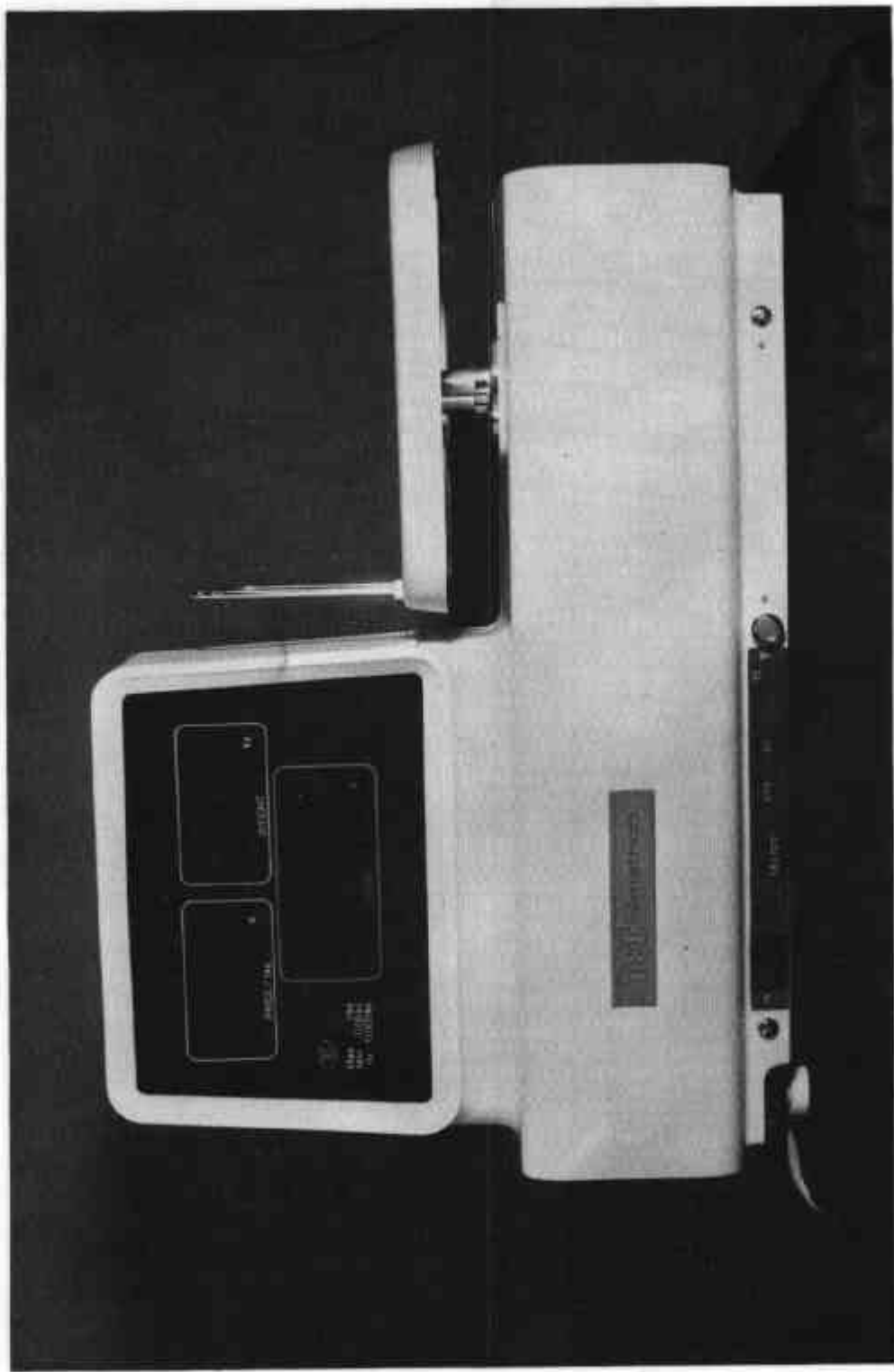
FIGURE 6/4D/48 - 1



Hi-Metron SC 3551 -- Vendor's Side

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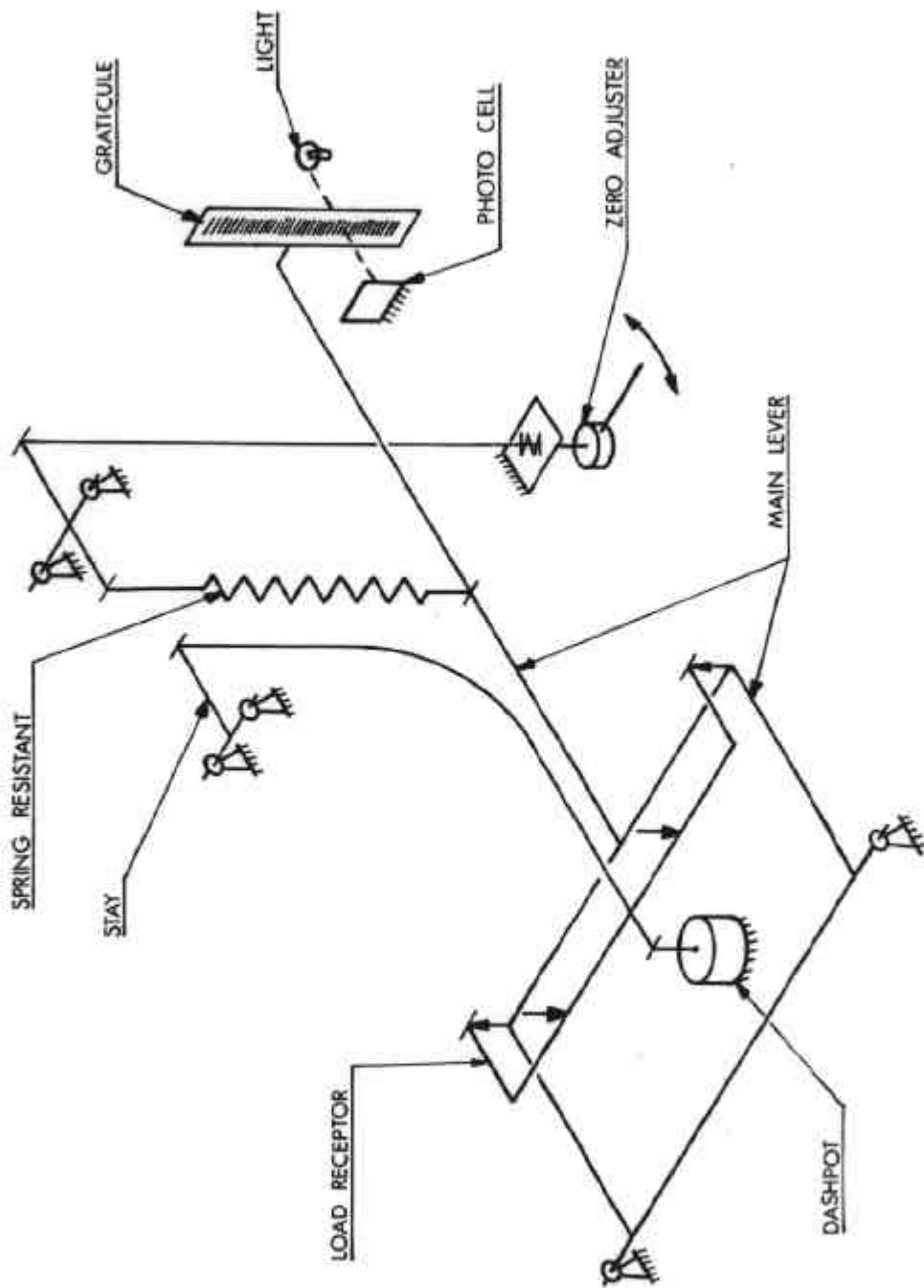
FIGURE 6/4D/48 - 2



Hi-Metron SC 3551 — Purchaser's Side

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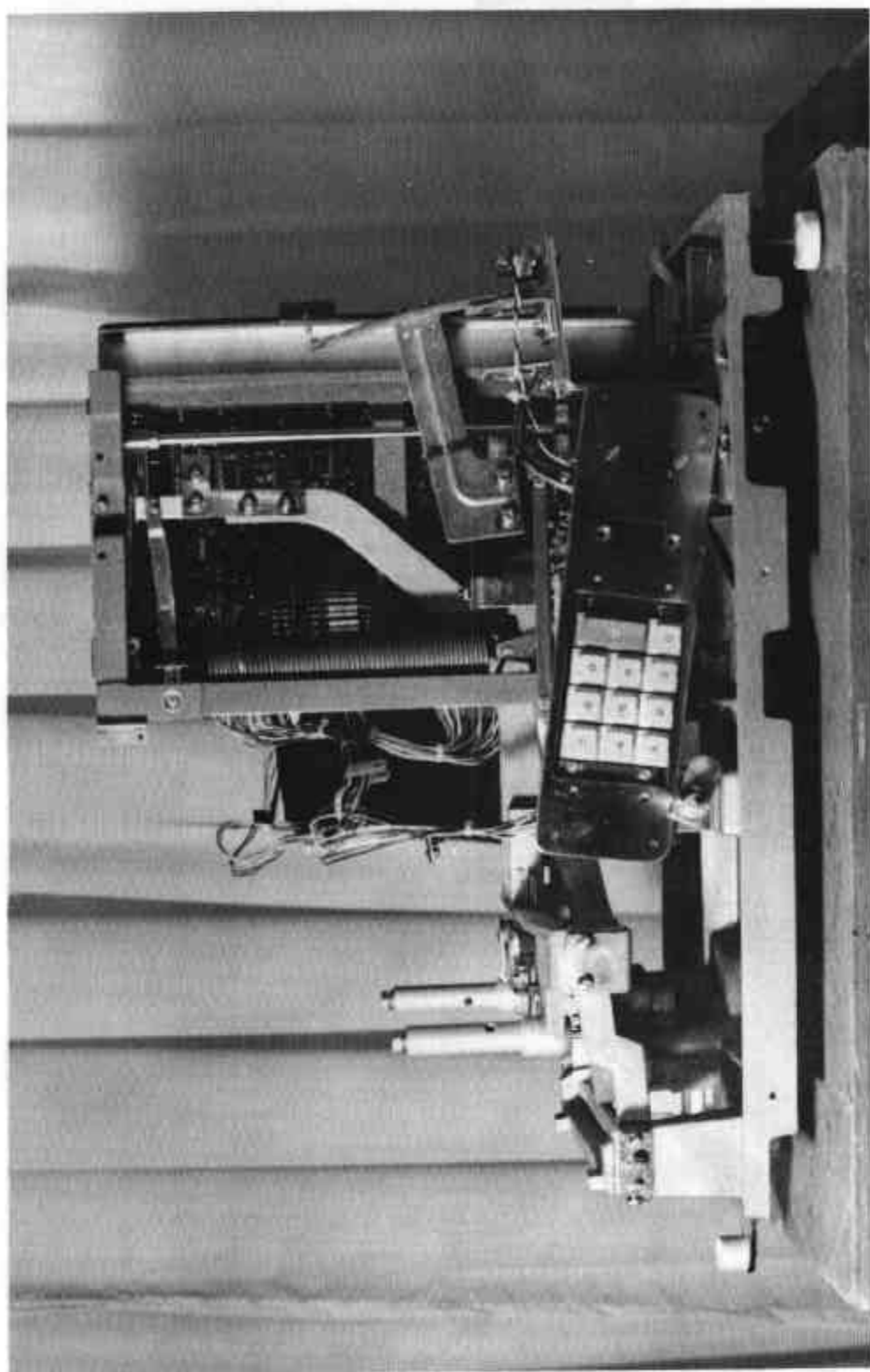
FIGURE 6/4D/48 - 3



Hi-Metron SC 3551 — Schematic Diagram

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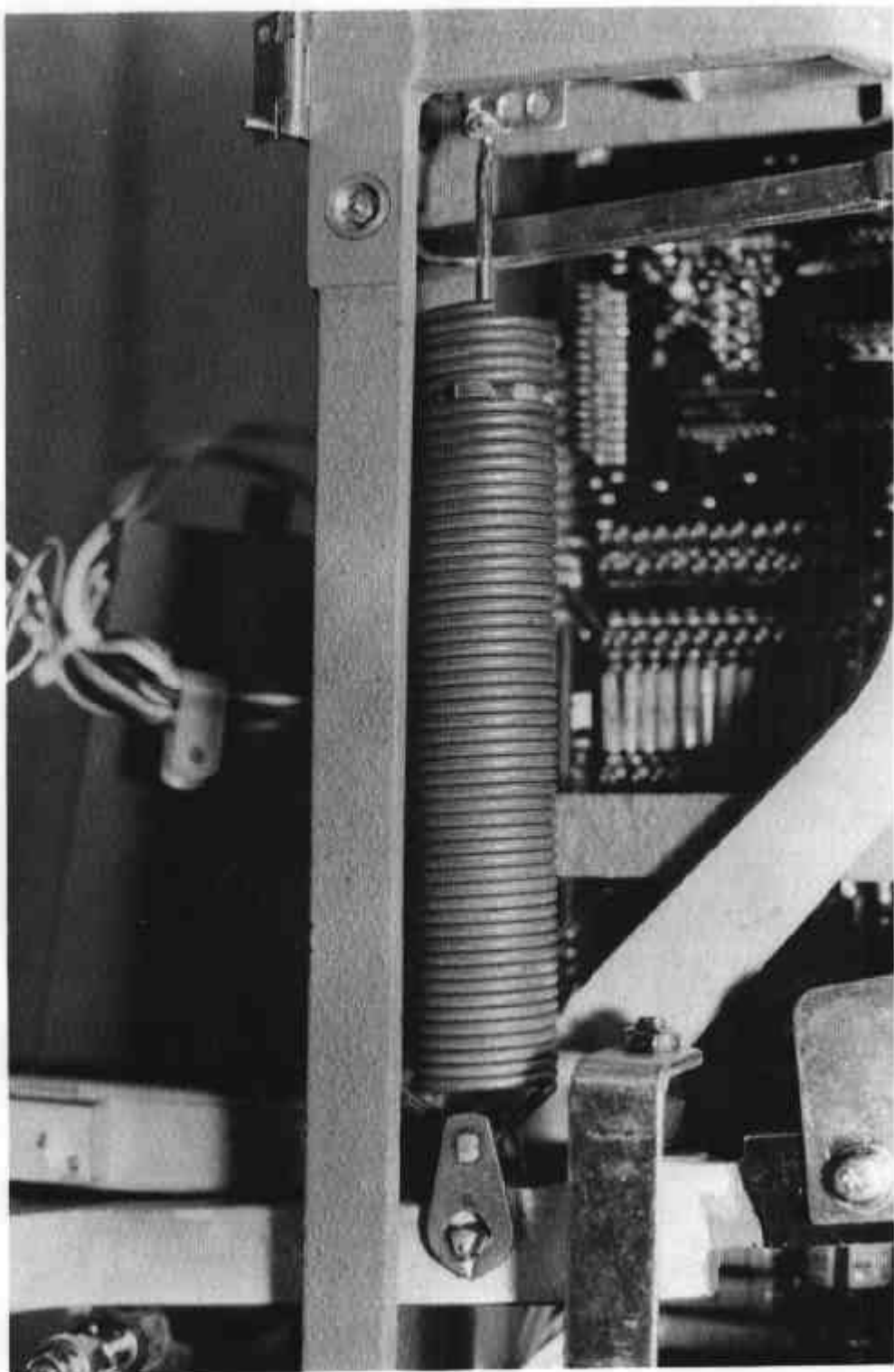
FIGURE 6/4D/48 - 4



Hi-Metron SC 3551 — Lever System

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FIGURE 6/4D/48 - 5



Hi-Metron SC 3551 — Resistant Mechanism.

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