



CANCELLED

NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/9A/9

This is to certify that the pattern and variant of a

J.W. Wedderburn Weighing Instrument Model LW1

submitted by J.W. Wedderburn & Sons Pty Ltd,
90 Parramatta Road,
Summer Hill, New South Wales, 2130

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

Pattern: approved 24/10/80

Non-Self-Indicating Portable Weighing Instrument of 110,0 kg maximum capacity with a steelyard of 5,0 kg capacity by 0,05 kg.

Variant: approved 24/10/80

1. Of capacity 111 kg with a steelyard of 2,0 kg capacity by 0,02 kg.

The pattern and variant are described in Technical Schedule No 6/9A/9 dated 7/11/80, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 31/10/85.

All instruments conforming to this approval shall be marked with the approval number NSC No 6/9A/9.

Signed

Executive Director

7/11/80



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9A/9

Pattern: J.W. Wedderburn Weighing Instrument Model LW1

Submittor: J.W. Wedderburn & Sons Pty Ltd,
90 Parramatta Road,
Summer Hill, New South Wales, 2130.

1. Description of Pattern

A portable platform weighing instrument (Figure 1).

Maximum capacity	110,0 kg
Minimum capacity	2,5 kg
Scale interval	0,05 kg

1.1 Basework

Two second order levers connected to a pullrod (Figure 2).

1.2 Levelling

The instrument is fitted with a level indicator and four adjustable feet: adjacent to this indicator is a notice advising that the instrument must be level when in use.

1.3 Steelyard

Graduated steelyard (Figure 3) of 5,0 kg capacity by 0,05 kg scale intervals, with the following proportional weights:

- 1 equivalent to 5 kg
- 1 equivalent to 10 kg
- 2 equivalent to 20 kg
- 1 equivalent to 50 kg

1.4 Sealing

- (i) The steelyard is provided with a stamping plug (Figure 3).

- (ii) The proportional weights are marked with the instrument's serial number and have a lead-plugged undercut hole for stamping.

1.5 Marking

The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/9A/9
Accuracy class in the form	III
Maximum capacity in the form	Max*
Minimum capacity in the form	Min*
Verification scale interval in the form	d = e =*

The instrument is marked NOT FOR RETAIL COUNTER USE.

2. Description of Variant

1. With a capacity of 111 kg and a steelyard of 2,0 kg capacity by 0,02 kg, with the following proportional weights:

2 equivalent to 2 kg
1 equivalent to 5 kg
1 equivalent to 10 kg
2 equivalent to 20 kg
1 equivalent to 50 kg

3. Test Procedure

1. Accuracy Requirements

The maximum permissible errors are:

$\pm 0,5 e$ for loads between 0 and 500 e;

$\pm 1 e$ for loads between 501 and 2000 e;

$\pm 1,5 e$ for loads between 2001 e and maximum capacity.

2. Zero Range

The maximum range of the zero adjustment should not exceed 4% of the capacity of the instrument ($\pm 2\%$ approximately).

* These markings are repeated on the reading face of the instrument.

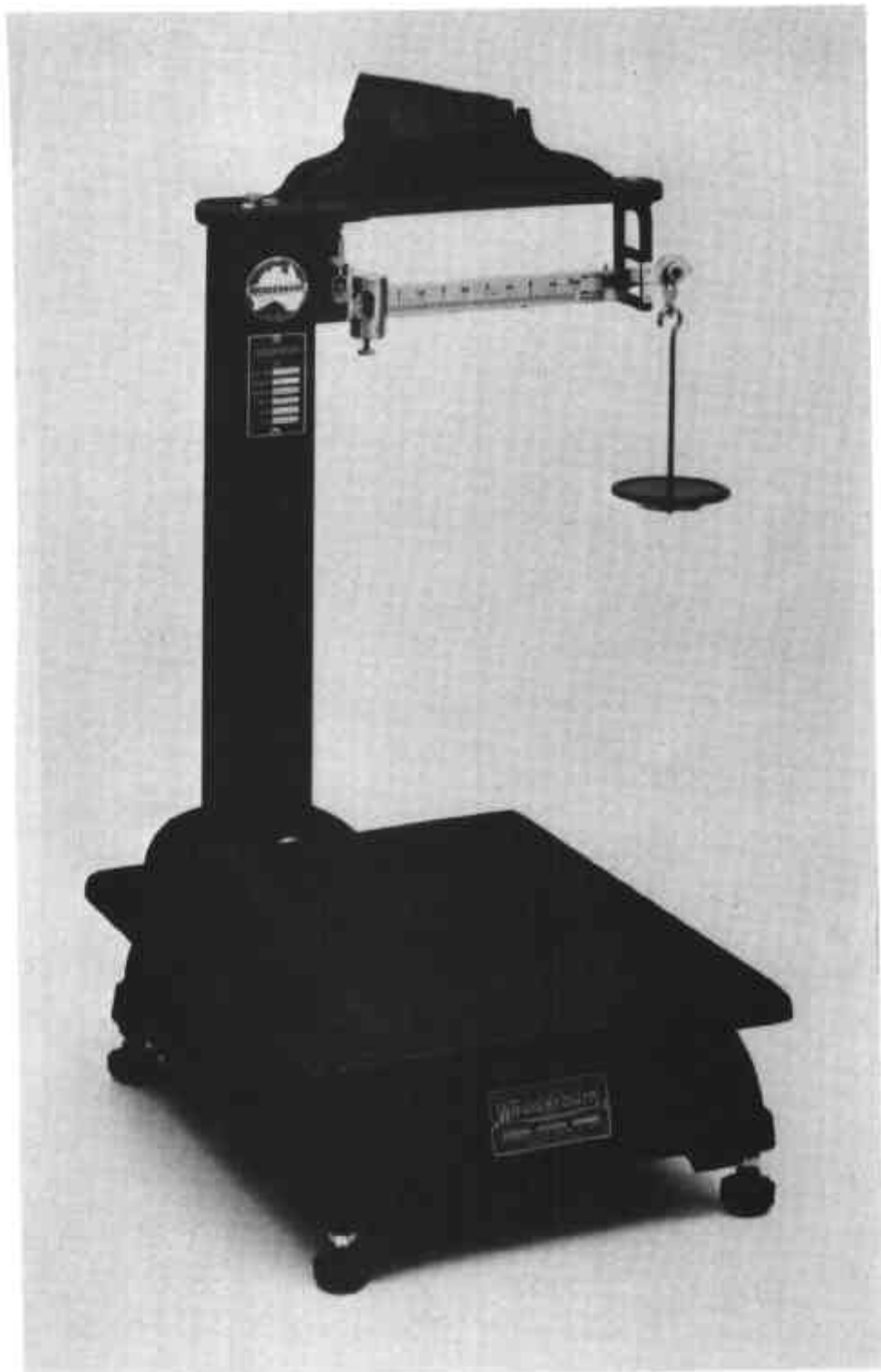
3. Off-Centre Load Test

The instrument should satisfy the accuracy requirements given above when a load corresponding to $1/3$ maximum capacity is distributed successively along each edge of the load receptor over an area not exceeding $\frac{1}{4}$ the total area of the receptor.

4. Level Sensitivity

Tilt the instrument so that the bubble in the level indicator moves 2 mm and reset zero; the instrument should satisfy the accuracy requirements given above.

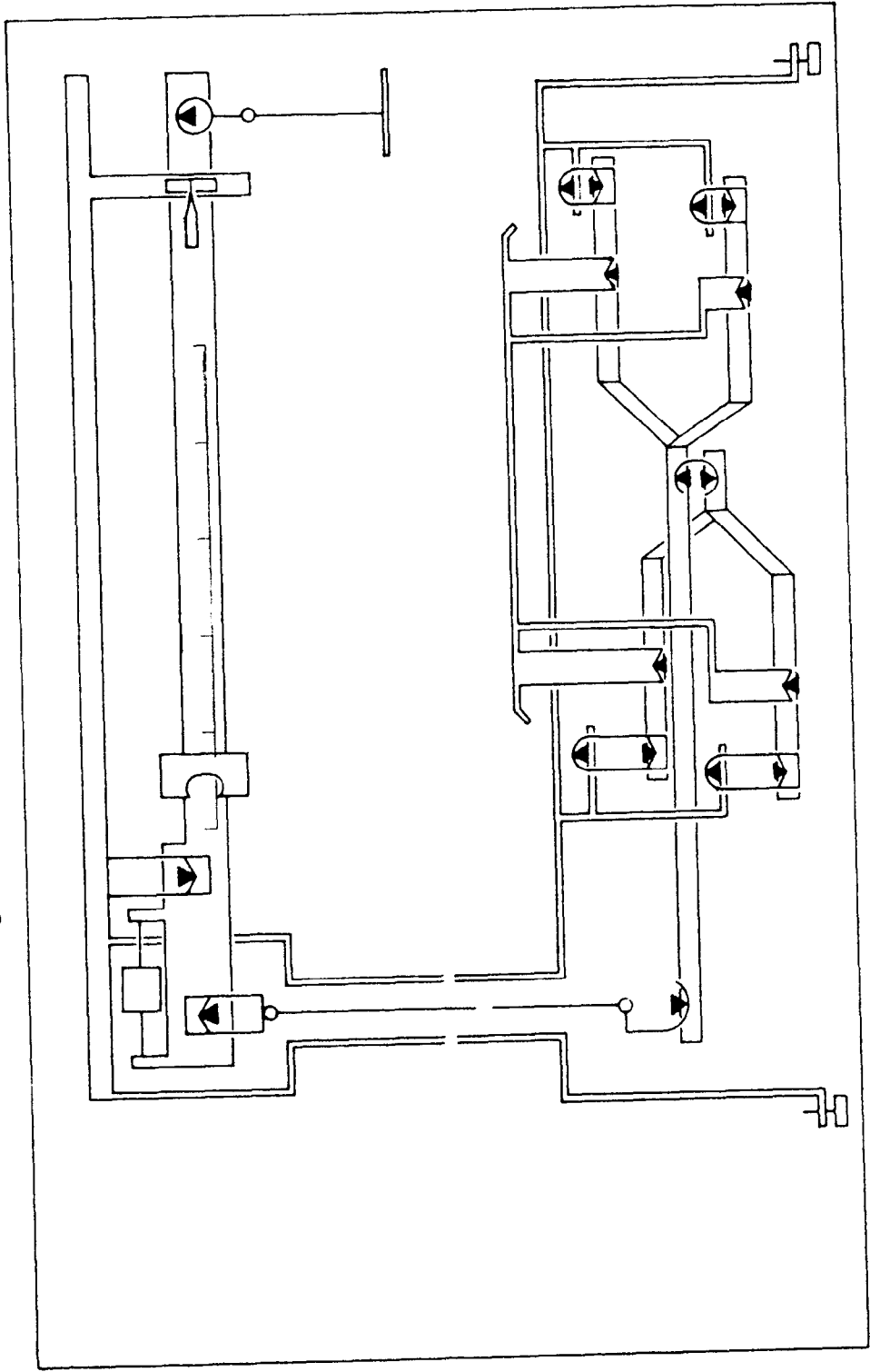
FIGURE 6/9A/9 - 1



Wedderburn Model LW1 Portable Weighing Instrument

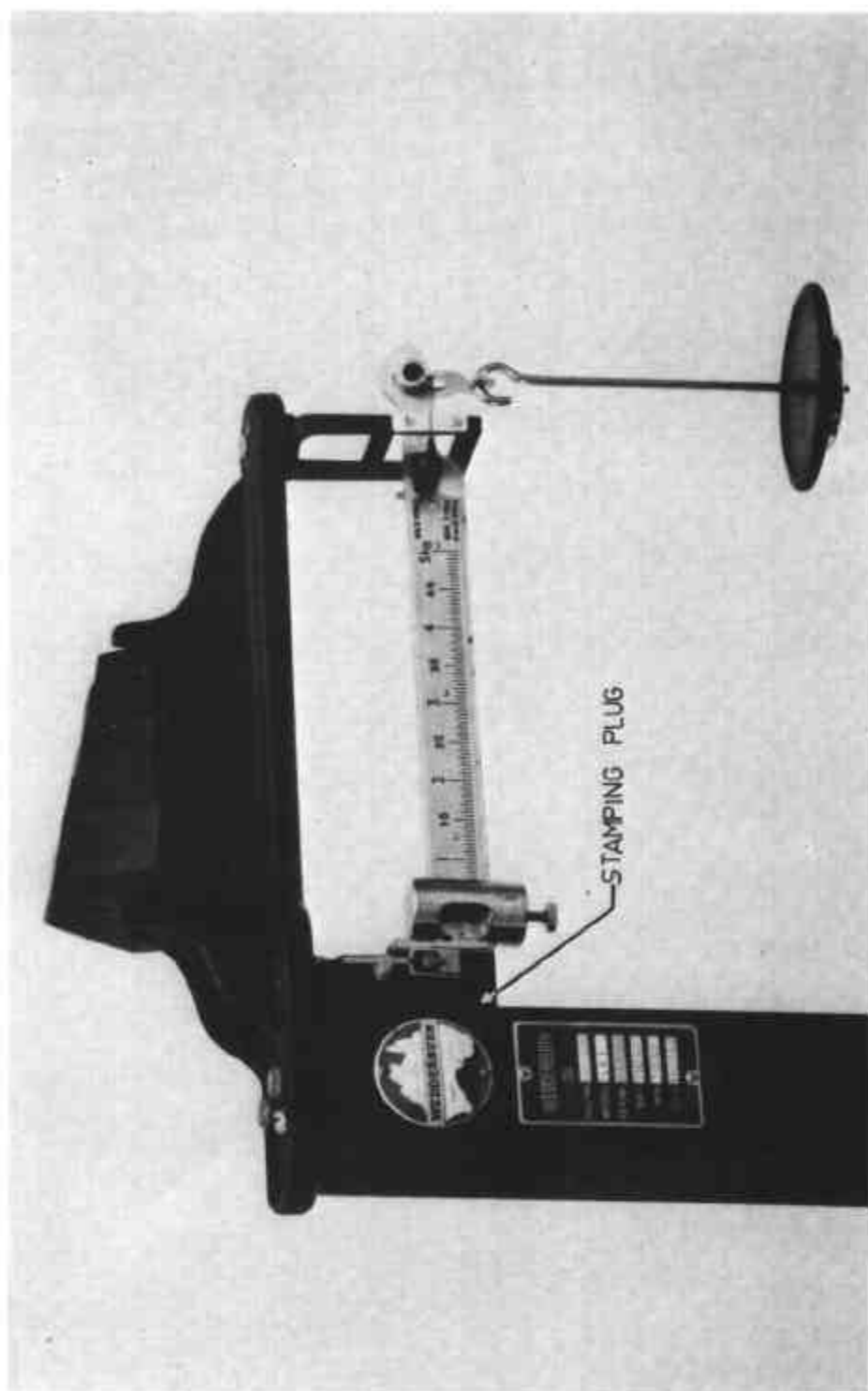
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FIGURE 6/9A/9 - 2



Schematic Diagram of Lever System

FIGURE 6/9A/9 - 3



Model LW1 Steelyard

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