



Weights and Measures
(National Standards)
Act 1960-1966

Weights and Measures
(Patterns of Instruments)
Regulations

CANCELLED

cert-no. 013

31-12-90

COMMONWEALTH OF AUSTRALIA

NATIONAL STANDARDS COMMISSION

Certificate of Approval

CERTIFICATE NUMBER 6/5/1

This Certificate replaces Certificate No 6/5/1 dated 22 December 1972. *

In respect of the pattern of

Salter Spring Balance of 20-lb Capacity and Variants.

Submitted and
manufactured by:

Geo. Salter & Co. (A'asia) Pty Ltd,
16 Grosvenor Street,
Abbotsford,
Victoria. 3067.

This is to certify that the pattern and variants of the instrument illustrated and described in this Certificate have been examined by the National Standards Commission under the provisions of the abovementioned Regulations and have been approved as being suitable for use for trade.

The pattern and variants 1 and 2 were approved on 19 July 1967, variant 3 on 4 December 1972, and variant 4 on 23 May 1973.

The pattern and variants are marked "NSC No 6/5/1", and comply with the General Specifications for Measuring Instruments to be Used for Trade.

* NOTE: Figures 6/5/1 - 1 to 6 of the previous issue form part of the Certificate and must be retained.

28/5/73

Cont'd over

This Certificate comprises:

Pages 1 to 4 dated 28 May 1973.

Figures 6/5/1 - 1 and 2 dated 15 October 1970.

Figures 6/5/1 - 3 to 6 dated 22 December 1972.

Date of issue 28 May 1973.

Signed



A person authorized by the Commission
to sign Certificates under the
abovementioned Regulations.

DESCRIPTION OF PATTERN

The pattern is of a spring balance of 20-lb capacity, having 1-oz graduations and known as Model 235T (see Figure 1).

The instrument is a suspended-type spring balance which has a pair of temperature-stable springs suspended from adjustable levers pivoted at the top of the frame (see Figure 2). Zero adjustment is provided by a screw which positions the two levers. The lower ends of the springs support a bar which forms part of a stirrup on which the load is suspended. The bar is connected through a shock-absorbing device to a spring-loaded rack which drives a ball-bearing-mounted pinion and indicator spindle.

The dial is secured by a lead stamping plug which is forced into an undercut hole in a pillar mounted on the back of the resistant mechanism housing; the plug is riveted over the dial face (see Figure 3).

DESCRIPTION OF VARIANTS

1. Having a capacity of 10 lb x $\frac{1}{2}$ -oz graduations.
2. The pattern and variant 1 without the shock-absorbing device in the rack connection.
3. Having other capacities of 100 lb x $\frac{1}{2}$ -lb graduations, 200 lb x 1-lb graduations or 100 kg x 500-g graduations and known as Model 235/9 (see Figures 4, 5 and 6).

The variants are similar to the pattern except for a different shock absorber on the rack (see Figure 6), and a modified method of retaining the lead stamping plug. Instead of an undercut hole there is an internally castellated washer, which is located behind the stamping-plug hole in the dial face and held in position by a cover plate screwed to a vertical member in the frame. The castellated washer captures the shank of the lead plug when it is driven through the hole in the dial (see Figure 6).

4. Model 235/9 described in variant 3 with a capacity of 50 kg
× 200-g graduations.

GENERAL NOTES

The manufacturer has advised that the Model 235/10, 200 kg × 1-kg graduations, will not be made. It has therefore been deleted from variant 3, and the references to it in Figures 5 and 6 no longer apply.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/5/1

CHANGE No 1

The following change is made to the approval documentation for the

Salter Spring Balance of 20-lb Capacity and Variants

submitted by Salter Weightronix Pty Ltd
(formerly Geo. Salter & Co. (A'asia) Pty Ltd)
1 Apollo Court
Blackburn NSW 3130.

In Certificate of Approval No 6/5/1 dated 28/5/73, the following Condition of Approval should be added:

"This approval expires in respect of new instruments on 1/4/93."

NOTE: This approval was incorrectly cancelled as part of Cancellation Certificate No 0/3 dated 31/12/90.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to read 'J. Bush', written in a cursive style.

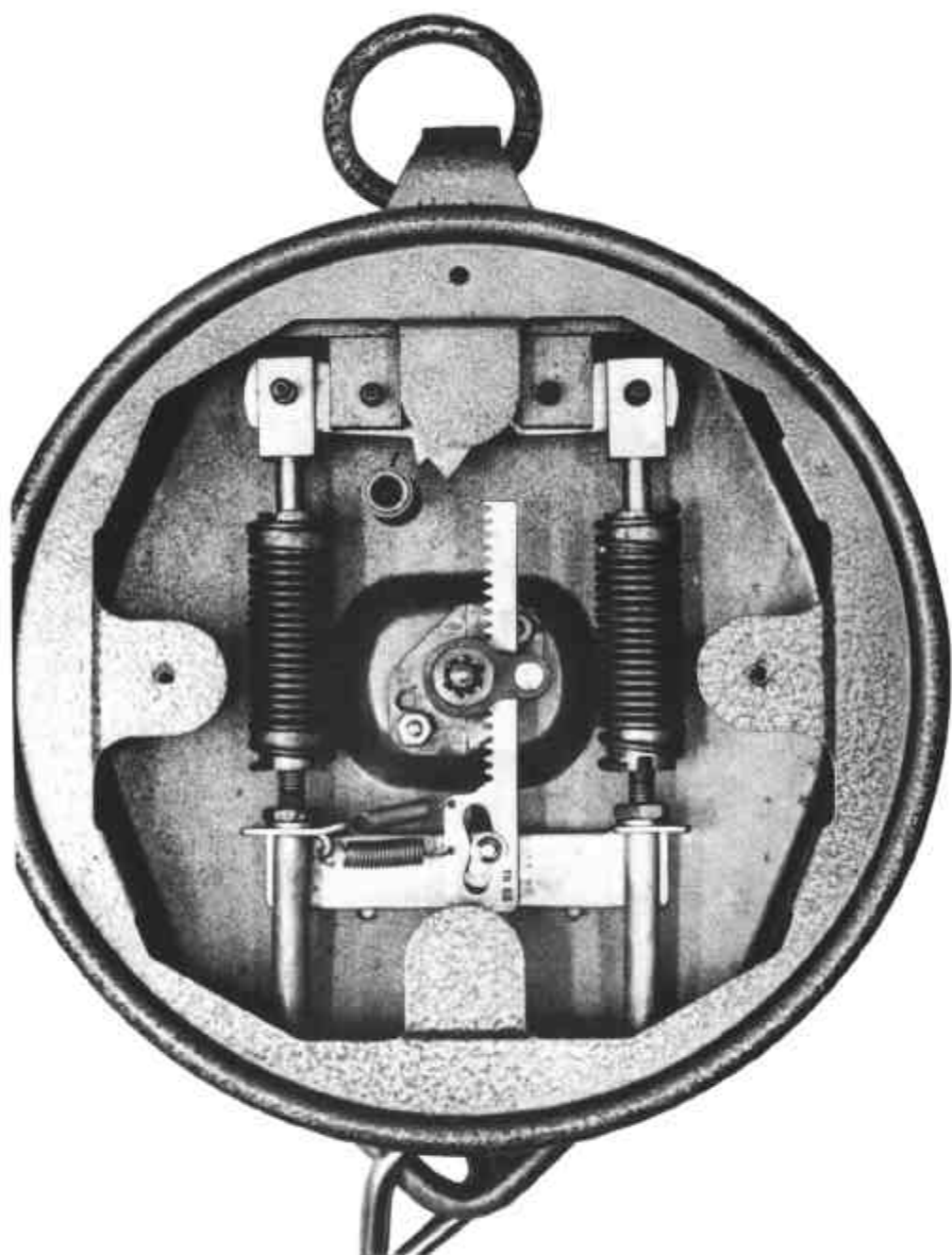
FIGURE 6/5/1 - 1



Salter 235T Spring Balance

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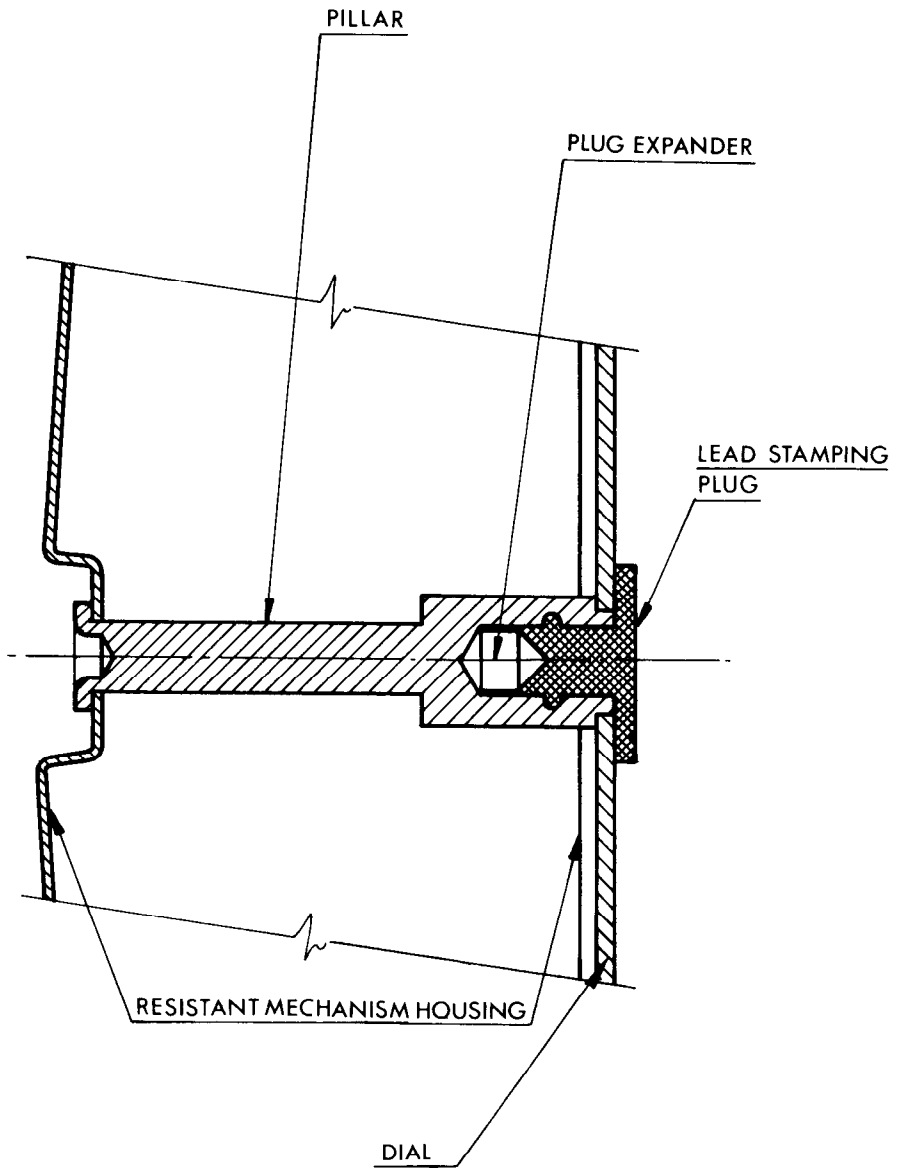
FIGURE 6/5/1 - 2



Salter 235T Mechanism

15/10/70

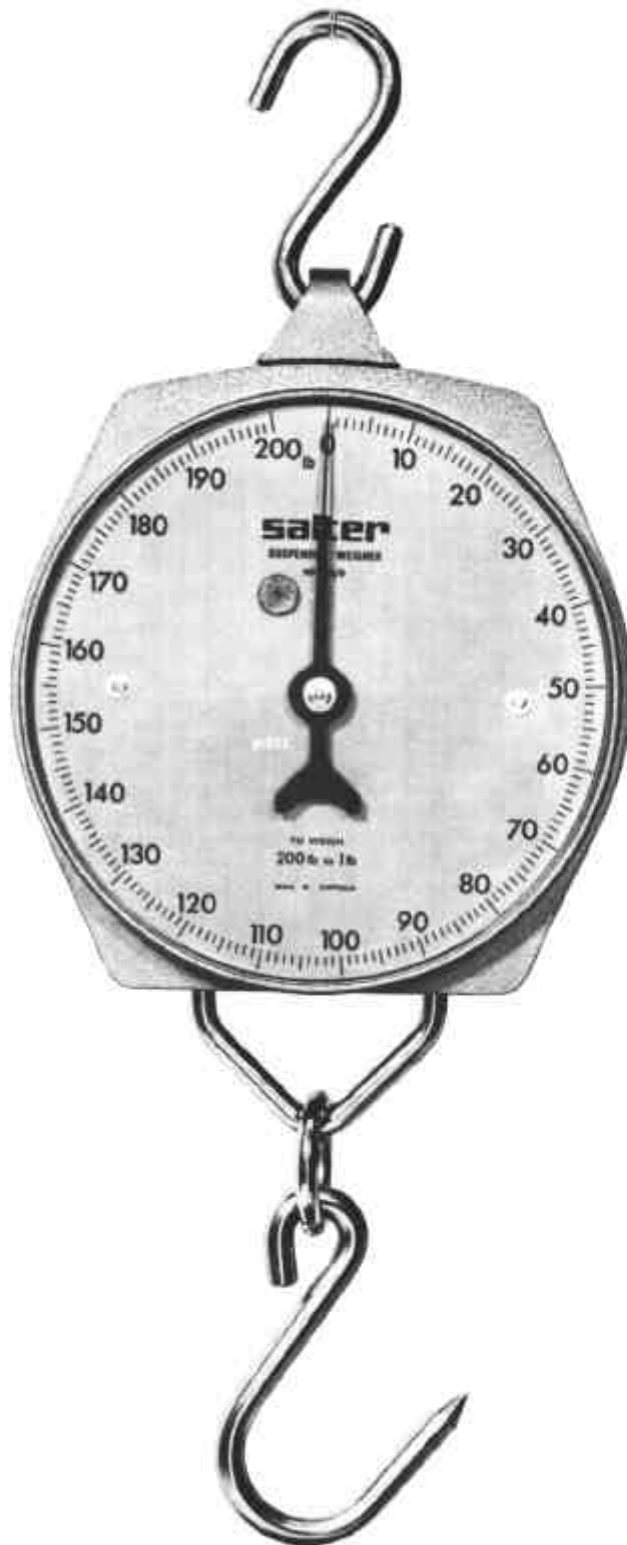
FIGURE 6/5/1 - 3



Salter 235T — Stamping-plug Arrangement

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FIGURE 6/5/1 - 4



Salter 235/9 Spring Balance.

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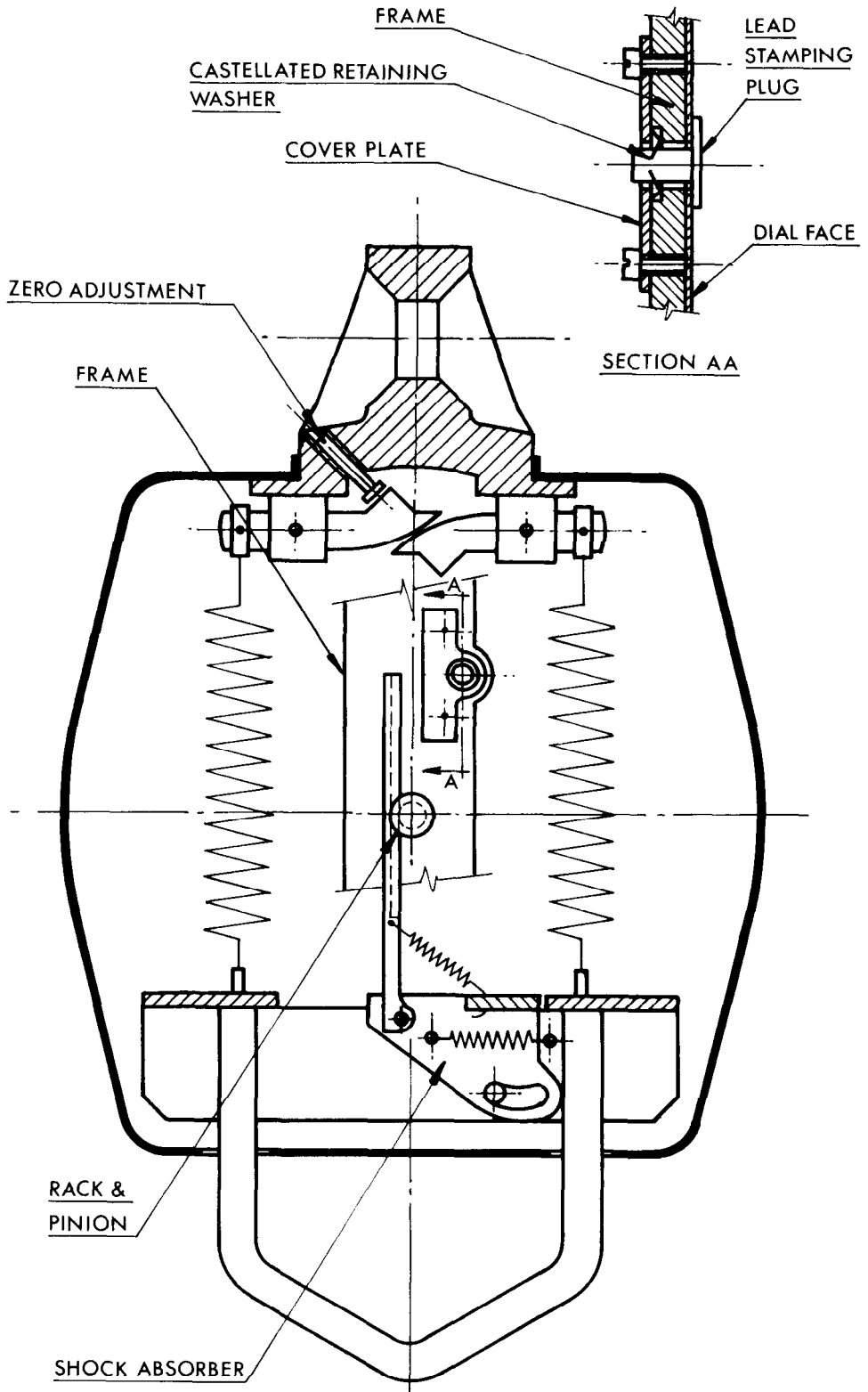
FIGURE 6/5/1 - 5



235/9 or 10 Spring-resistant Mechanism

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FIGURE 6/5/1 - 6



235/9 or 10 Spring-resistant Mechanism — Schematic Diagram
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