



# NATIONAL STANDARDS COMMISSION

## WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

### REGULATION 9

#### CERTIFICATE OF APPROVAL No 6/3/4

This is to certify that an approval has been granted by the Commission that the pattern and variants of the

Avery Weighing Instrument Model 2108

submitted by Avery Australia Ltd,  
3-5 Birmingham Avenue,  
Villawood, New South Wales, 2163,

are suitable for use for trade.

The approval of the pattern and variants is subject to review on or after 1/1/84.

All instruments purporting to comply with this approval shall be marked "NSC No 6/3/4".

Relevant drawings and specifications are lodged with the Commission.

Signed

Acting Executive Director

#### Descriptive Advice

Pattern: approved 18/12/78

. Counterscale of 15 kg capacity.

#### Variants

1. Of 25 kg capacity.

2. Of 10 kg capacity.

Technical Schedule No 6/3/4 dated 23/2/81 describes the pattern and Variants 1 and 2.

23/2/81



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No 6/3/4

Pattern: Avery Weighing Instrument Model 2108

Submitter: Avery Australia Ltd,  
3-5 Birmingham Avenue,  
Villawood, New South Wales, 2163.

### 1. Description of Pattern

#### 1.1

The pattern is a counter scale of maximum capacity 15 kg with a verification scale interval of 0.010 kg (Figure 1). It comprises an equal-arm lever with a mass receptor and a load receptor located above the beam. The mass receptor and load receptor are maintained horizontal by a Roberval lever mechanism.

The instrument is provided with a balance indicator and a balance box located beneath the load receptor.

#### 1.2 Marking

The nameplate is marked with the following data:

|  |              |
|--|--------------|
| Manufacturer's name                      |              |
| Serial number of instrument              |              |
| NSC approval number in the form:         | NSC No 6/3/4 |
| Accuracy class in the form:              | III          |
| Maximum capacity in the form:            | Max .....    |
| Minimum capacity in the form:            | Min .....    |
| Verification scale interval in the form: | e = .....    |

### 2. Description of Variants

#### 2.1 Variant 1

. Of 25 kg capacity; verification scale interval 0.010 kg.

#### 2.2 Variant 2

. Of 10 kg capacity; verification scale interval 0.005 kg.

TEST PROCEDURE No 6/3/4

1. Accuracy requirements

The maximum permissible error is:

- ± 0.5e for loads between 0 and 500e;
- ± 1e for loads between 501e and 2000e; and
- ± 1.5e for loads above 2000e.

2. Sensitivity

A mass of 0.5e for loads up to 500e, 1e for loads from 501e to 2000e, and 1.5e for loads above 2000e, placed on the load receptor at equilibrium should cause a permanent displacement of the indicator of at least 2 mm.

6/3/4  
1/5/86



## NATIONAL STANDARDS COMMISSION

### CANCELLATION CERTIFICATE OF APPROVAL No 6/3/4

This is to certify that the approval for use for trade granted in respect of the pattern and variants of the

Avery Model 2108 Weighing Instrument

submitted by Avery Australia Limited  
3-5 Birmingham Avenue  
Villawood NSW 2163

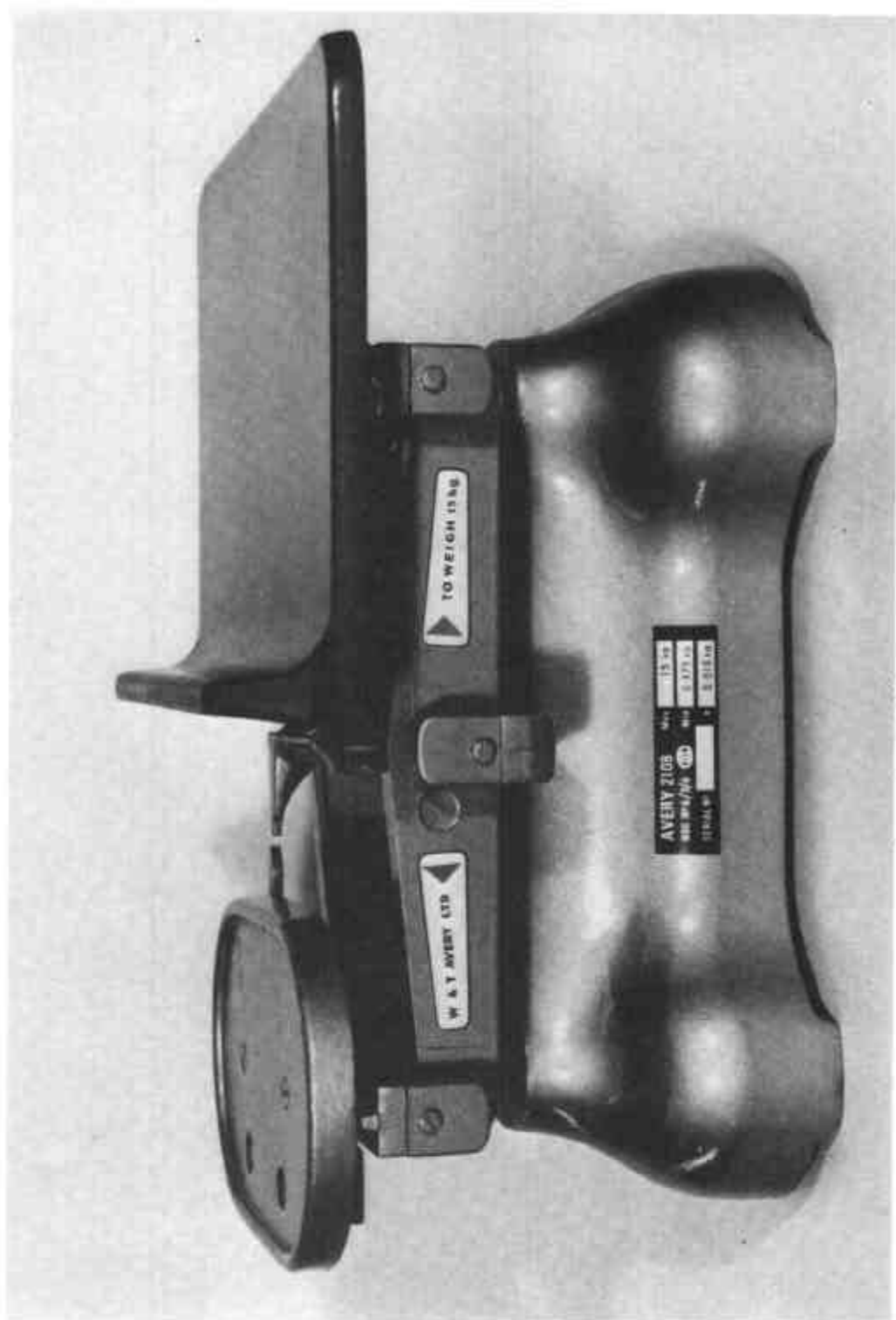
has been cancelled in respect of new instruments as from 21/3/86.

Instruments which were verified before that date may, with the concurrence of the respective State or Territorial Weights and Measures Authority, be submitted for reverification.

Signed

Acting Executive Director

FIGURE 6/3/4 - 1



Avery Model 2108