



NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/2/1

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

Avery Weighing Instrument Model 2028

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

is suitable for use for trade.

The approval of the pattern is subject to review on or after 30/9/85.

All instruments purporting to comply with this approval shall be marked NSC No 6/2/1.

Relevant drawings and specifications are lodged with the Commission.

Signed

Raymond Gach.

Acting Executive Director

Descriptive Advice

Pattern: approved 9/7/81

- Semi-self-indicating equal-arm beam scale of 50 g capacity with centre-zero reading face of 100 mg capacity by 20 mg.

Technical Schedule No 6/2/1 dated 24/8/81 describes the pattern.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/2/1

Pattern: Avery Weighing Instrument Model 2028

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

1. Description of Pattern

The pattern is a semi-self-indicating equal-arm beam weighing instrument of 50 g capacity with a centre-zero mass reading face of 100 mg capacity by 20 mg scale intervals on both sides of the centre-zero mark (see Figure 1). Under and over mass indications are denominated by - (minus) and + (plus) signs. A magnetic damping device stabilises the movement of the index and the load receptors are interchangeable.

The instrument is provided with a level indicator and three feet, two of which are adjustable. Adjacent to the level indicator is a notice that the instrument must be level when in use.

1.1 Marking

The nameplate is marked with the following data (Figure 2):

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/2/1
Accuracy class in the form:	II
Maximum capacity in the form:	Max 50 g*
Minimum capacity in the form:	Min 1 g*
Verification scale interval in the form:	d = 20 mg, e = 20 mg*

The instrument is also marked NOT FOR RETAIL COUNTER USE.

1.2 Sealing

The instrument is sealed by use of a stamping plug over the front cover securing screw positioned immediately above the level indicator as shown in Figure 1.

* These markings are repeated adjacent to the reading face.

TEST PROCEDURE No 6/2/1

1. Accuracy requirement

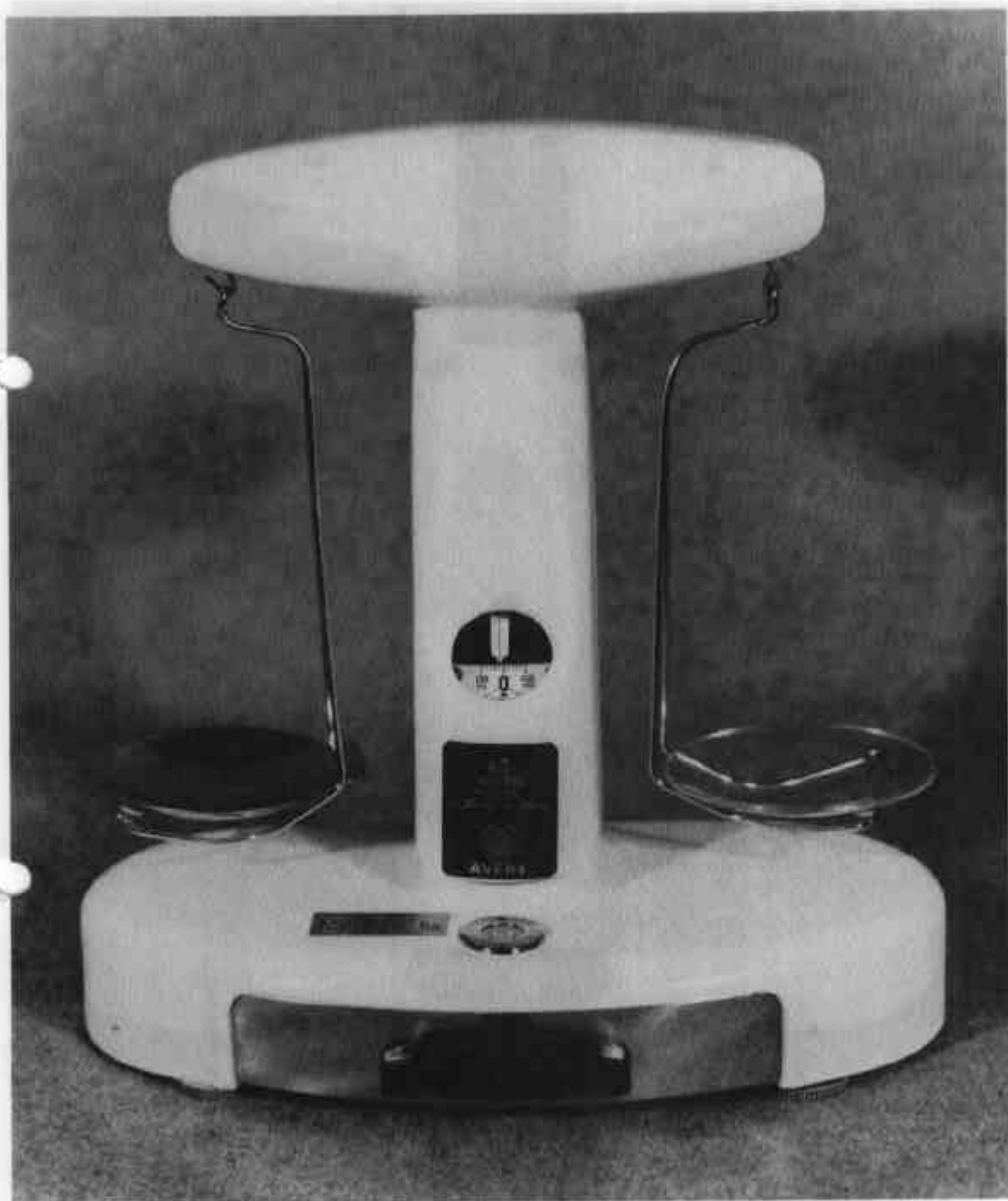
The maximum permissible error is

$\pm 0.5 e$ for loads between 0 and 2500 e.

2. Level Sensitivity

- (a) When the instrument is tilted to a slope of 1 in 500 the bubble in the level indicator should move at least 2 mm.
- (b) When the instrument is tilted so that the bubble in the level indicator moves 2 mm, and when zero is reset in the tilted position, the instrument should satisfy the above accuracy requirement.

FIGURE 6/2/1 - 1

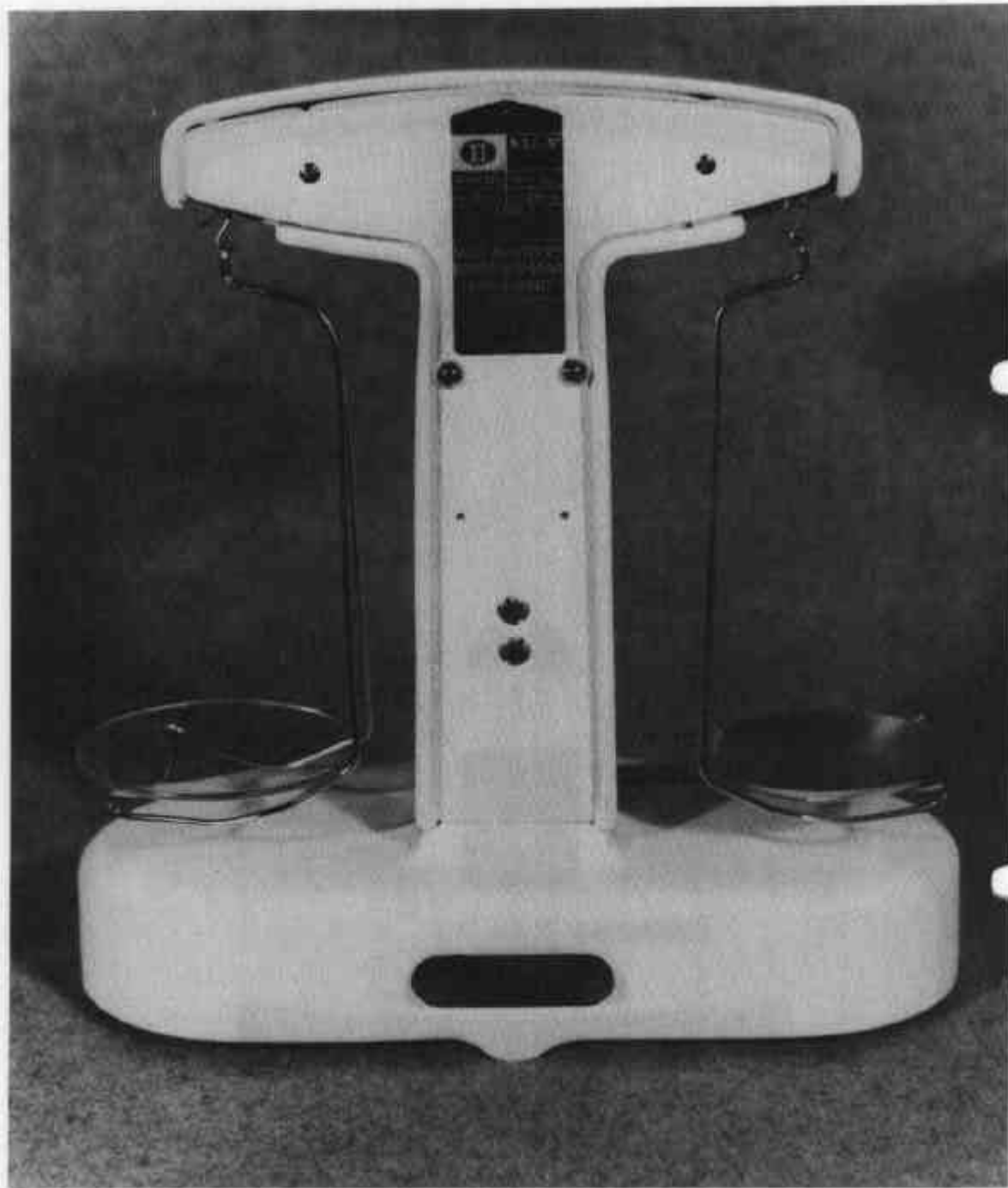


Avery Model 2028

24/8/81

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FIGURE 6/2/1 - 2



Model 2028 - Rear View

24/8/81

WELDON