NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/41A

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

Avery Model 3552 CUB Weighing Instrument

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

are suitable for use for trade.

This Certificate is issued upon completion of a review of approval No 6/9C/41 which will expire on 30/6/84 with the effect that no new instruments purporting to comply with that approval will be accepted for verification after that date.

The approval is subject to review on or after 1/7/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/41A.

The approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Condition of Approval

The number of scale intervals applicable to the weighing instrument shall be no greater than the number of verification scale intervals approved for the basework, or the load cell, or the headwork, whichever is the smallest.

Signed
Executive Director

Descriptive Advice

Pattern: approved 7/6/84

. Avery model 3552 CUB portable self-indicating weighing instrument of up to 250 kg capacity.

Variants: approved 7/6/84

1. With the headwork replaced by a Commission-approved load cell and digital indicator.

2. With the basework replaced by other Commission-approved lever baseworks.

Technical Schedule No 6/9C/41A describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/41A dated 21/6/84
Technical Schedule No 6/9C/41A dated 21/6/84
Test Procedure No 6/9C/41A dated 21/6/84
Figures 1 and 2 dated 21/6/84.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/41A

Pattern: Avery Model 3552 CUB Weighing Instrument

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
Villawood, New South Wales, 2163

1. Description of Pattern

A self-indicating platform weighing instrument (Figure 1) with a capacity of up to 250 kg.

1.1 Headwork

A spring-resistant mechanism, having either oil-filled or air dashpots, and connected to a single or double-sided dial indicator approved for use with up to 500 scale intervals.

1.2 Basework

The basework (Figure 2) comprises a load receptor fitted with self-aligning bearings, supported on two main levers, one of which connects to the pullrod. The main levers are suspended by swinging links from the frame. The basework is fitted with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.3 Markings

The instrument is marked with the following data, together in one location:

Serial number of the instrument	
Manufacturer's name or mark	
Approval number	NSC No 6/9C/41A
Accuracy class	(III)
Maximum capacity in the form:	Max .....kg*
Minimum capacity in the form:	Min .....kg*
Verification scale interval in the form:	e = d = ...kg*

1.4 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variants

2.1 Variant 1

With the headwork of the pattern replaced by a Commission-approved load cell and digital indicator in which case the instrument is suitable for use with up to 3000 scale intervals.

2.2 Variant 2

With the basework of the pattern replaced by other Commission-approved lever baseworks in which case the instrument is suitable for use with up to 500 scale intervals.

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* Repeated in the vicinity of each reading face.

TEST PROCEDURE No 6/9C/41A

Instruments with a digital indicator should be tested in conjunction with any test procedure in the approval documentation for the indicator.

The maximum permissible errors are:

± 0.5e for loads between 0 and 500e;
± 1.0e for loads between 501e and 2000e; and
± 1.5e for loads above 2000e.

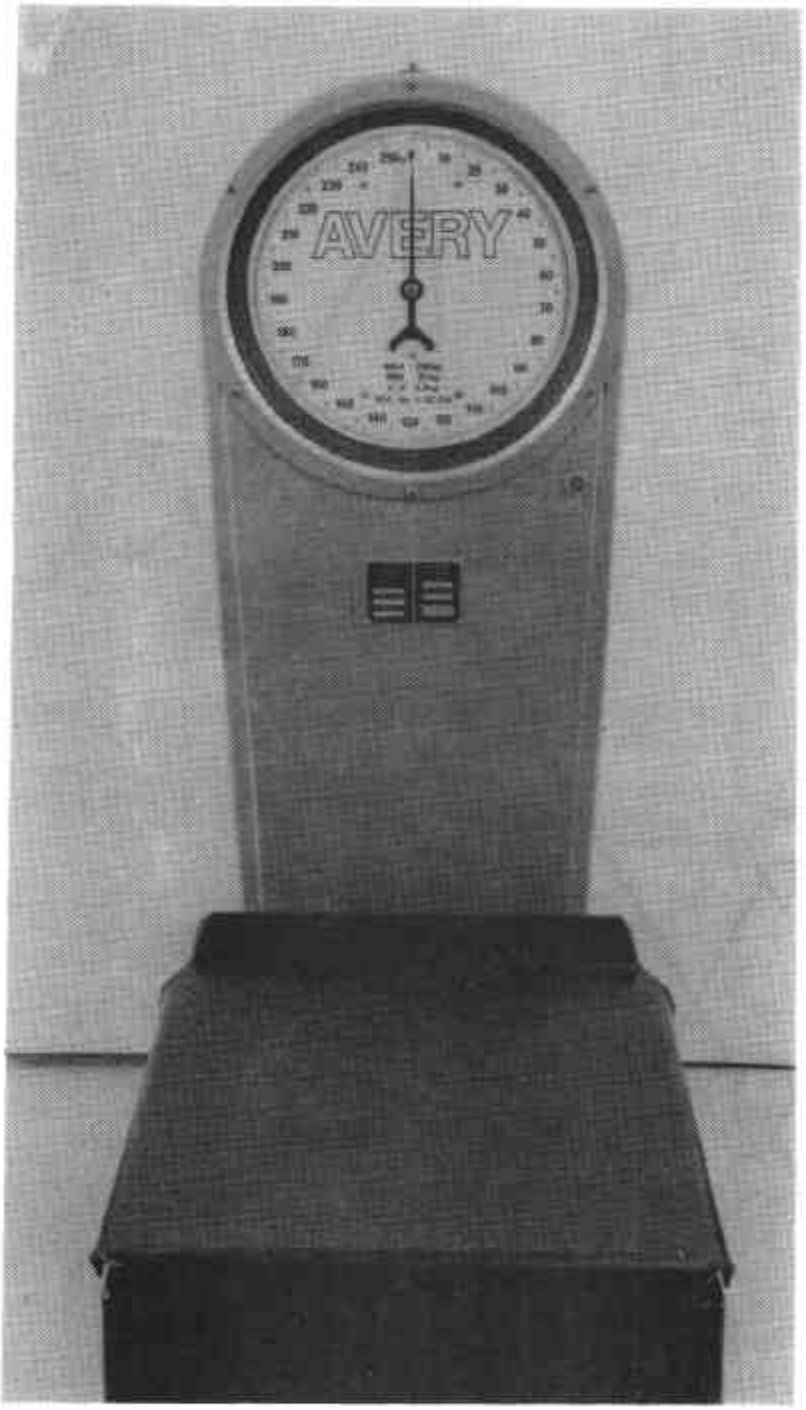
1. Zero Range

Check that the range of the zero adjustment is not more than 4% of the maximum capacity (± 2% approximately). With zero balance indicated, apply a load of, say, 2.5% of maximum capacity to the instrument, and adjust the zero control; the instrument should not rezero.

2. Test Loads

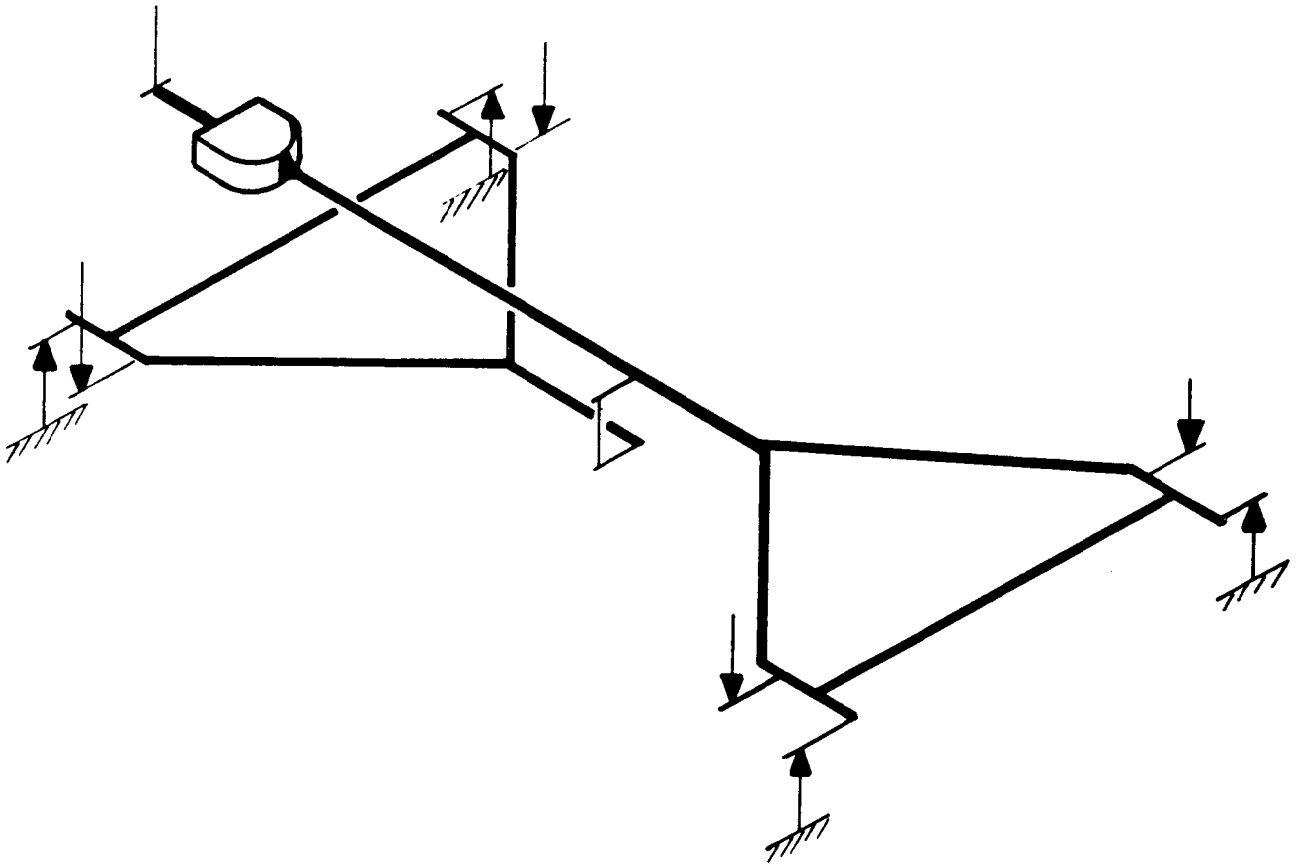
Test loads are to be applied to the complete weighing instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.

FIGURE 6/9C/41A - 1



Avery 3552 CUB Weighing Instrument

FIGURE 6/9C/41A - 2



Avery 3552 CUB - Lever System