NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/18/15

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

Avery Model 4126 CLC Overhead-track Weighing Instrument

submitted by Avery Australia Limited
3-5 Birmingham Avenue
VILLAWOOD NEW SOUTH WALES 2163

are suitable for use for trade.

The approval is subject to review on or after 1/7/88.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/15.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval for Variant 1

1. The load cells used shall be subject to regular certification by the National Standards Commission.

2. The number of scale intervals applicable to these instruments shall be no greater than the number of verification scale intervals approved for the lever system (3000e) or the load cell or the indicator, whichever is the smallest.

Signed

Executive Director

Descriptive Advice

Pattern: approved 12/5/83

. Avery model 4126 self-indicating overhead-track weighing instrument of 300 kg capacity, with model CLC dial indicator.

Variant: approved 12/5/83

1. With the dial indicator of the pattern replaced by a Commission-approved load cell and digital indicator.

Technical Schedule No 6/18/15 dated 15/6/83 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/18/15 dated 15/6/83
Technical Schedule No 6/18/15 dated 15/6/83
Test Procedure No 6/18/15 dated 15/6/83
Figures 1 and 2 dated 15/6/83.

15/6/83

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/18/15

Pattern: Avery Model 4126 CLC Overhead-track Weighing Instrument

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
VILLAWOOD NEW SOUTH WALES 2163

1. Description of Pattern

An Avery self-indicating overhead-track weighing instrument (Figures 1 and 2) of 300 kg maximum capacity with 0.5 kg scale intervals, mounted in a permanently fixed position, and approved for use with up to 600 scale intervals.

The instrument comprises:

a) An Avery model 4126 overhead-track lever system, with a weigh rail of 600 mm nominal length.

b) An Avery model CLC self-indicating dial indicator.

1.1 Tare

A additive tare bar of 30 kg maximum capacity is fitted.

1.2 Markings

The instrument is marked with the following data, together in a clearly visible location:

Manufacturer's name or mark	
Model number	
Serial number of instrument	
NSC approval number	NSC No 6/18/15
Accuracy class	(III)
Maximum capacity	Max 300 kg
Minimum capacity	Min 25 kg
Verification scale interval	e = d = 0.5 kg
Maximum additive tare	T = +30 kg

2. Description of Variant 1

With the model CLC dial indicator replaced by a Commission-approved load cell and digital indicator, in which case the tare bar is removed.

2.1 Markings

As per the pattern and in addition, the model numbers, the serial numbers and NSC approval numbers of the load cell and digital indicator.

TEST PROCEDURE No 6/18/15

All load applications should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error, as set out in Document 104.

For variant 1, this Test Procedure should be carried out in conjunction with any tests in the approval documents for the load cell and for the digital indicator.

The maximum permissible errors are:

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

1. Zero Range

The maximum range of operation of the zero device should not exceed 4% of the capacity of the instrument (±2% approximately).

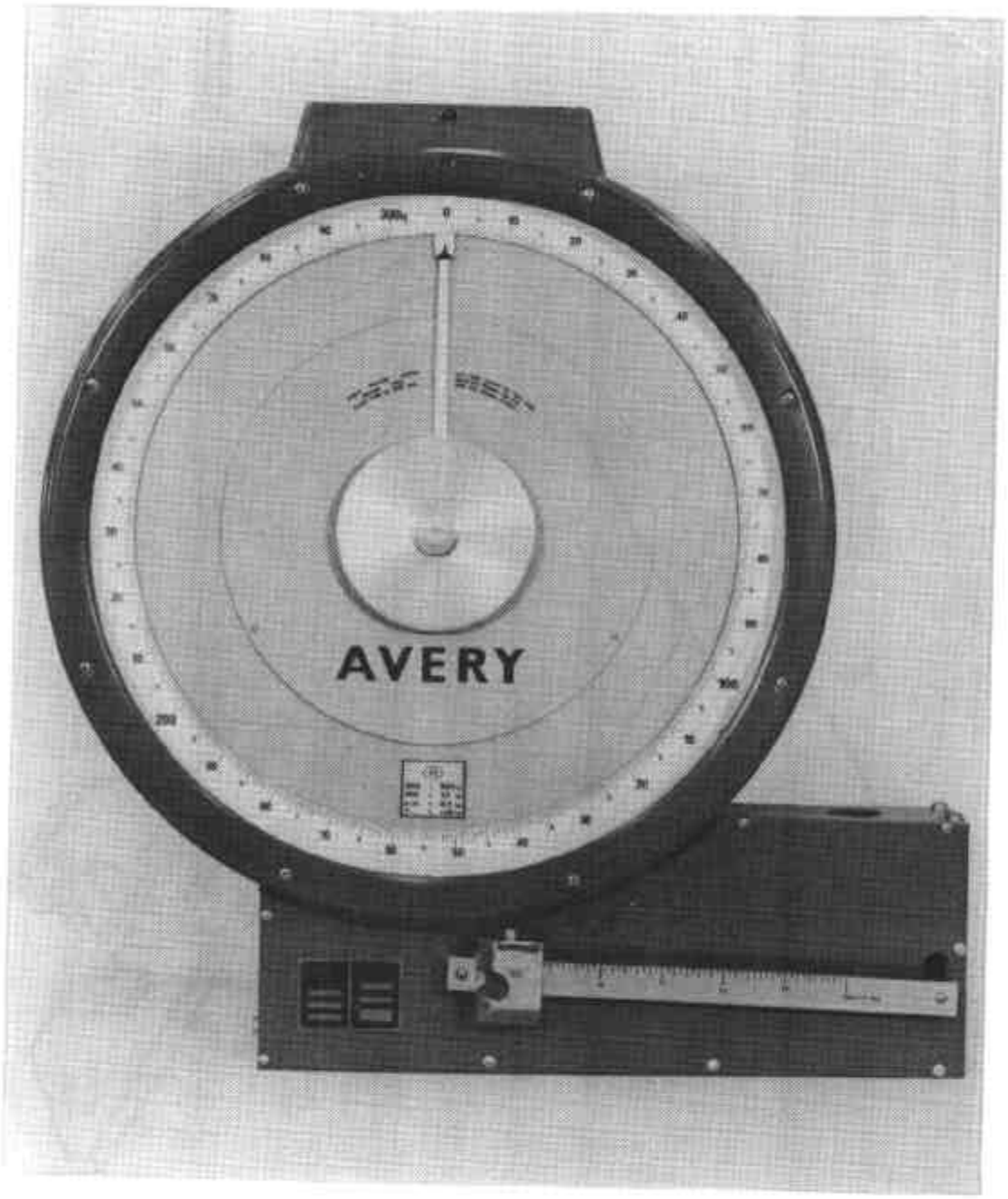
2. Test Loads

Test loads are to be applied to the instrument at the centre of the weigh rail in not less than 5 approximately equal steps increasing to maximum capacity, followed by decreasing loads of not less than 5 approximately equal steps.

This test should be repeated at each end of the weigh rail.

The instrument should display these loads within the applicable tolerance as listed above.

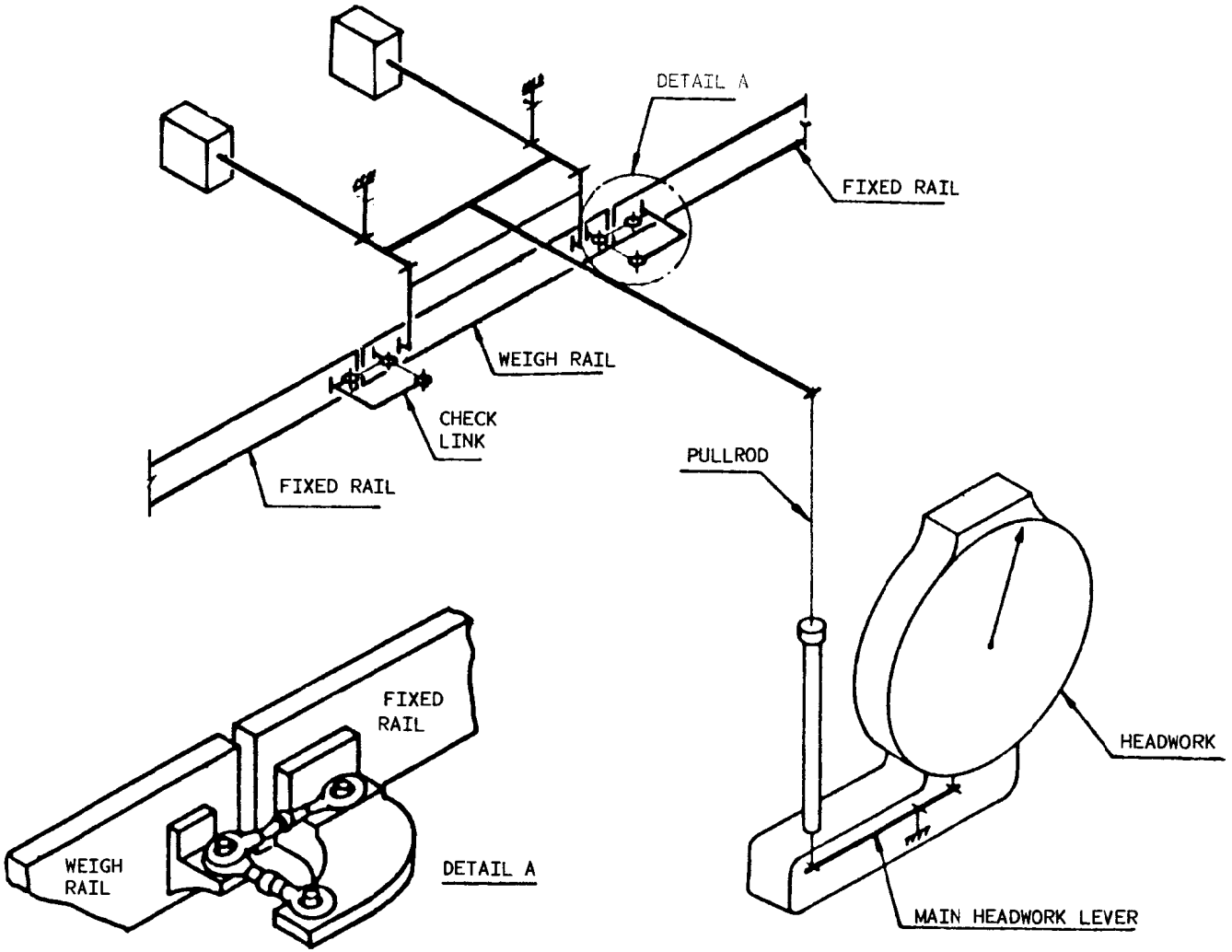
FIGURE 6/18/15 - 1



Avery Model CLC Indicator

15/6/83

FIGURE 6/18/15 - 2



Avery Model 4126 CLC Overhead-track Weighing Instrument
- Schematic Diagram