

JB

6/1/3
27/3/86



NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/1/3

This is to certify that an approval for use for trade has been granted in respect of the pattern of the

F J Thornton Model SD5 Weighing Instrument

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

Conditions of Approval

General:

This approval is subject to review on or after 1/7/90.

Instruments purporting to comply with this approval shall be marked NSC No 6/1/3.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Special:

Some instruments may be marked "Class B" and "To Weigh 50 g". Such instruments may be submitted for initial verification up until 1/10/86.

Signed

Executive Director

Descriptive Advice

Pattern: approved 13/6/85

- A Class 2 non-self-indicating weighing instrument of 50 g maximum capacity with a verification scale interval of 0.05 g. Also known as a Wedderburn model TN SD5.

Technical Schedule No 6/1/3 describes the pattern.

Filing Advice

The documentation for this approval comprises:

- Certificate of Approval No 6/1/3 dated 27/3/86
- Technical Schedule No 6/1/3 dated 27/3/86
- Test Procedure No 6/1/3 dated 27/3/86
- Figure 1 dated 27/3/86



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/1/3

Pattern: F J Thornton Model SD5 Weighing Instrument

Submitter: J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

1. Description of Pattern

A Class 2 non-self-indicating weighing instrument of 50 g maximum capacity with a verification scale interval of 0.05 g (Figure 1). The instrument is also known as a Wedderburn model TN SD5.

The instrument balance is adjusted by physically bending the index.

1.1 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark
Serial number
NSC approval number
Accuracy class
Maximum capacity
Minimum capacity
Verification scale interval

NSC No 6/1/3

II

Max 50 g

Min 1 g

e = 0.05 g

1.2 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 6/1/3

The maximum permissible errors are:

- ± 0.5e for loads between 0 and 5000e;
- ± 1.0e for loads between 5001 and 20000e; and
- ± 1.5e for loads above 20000e.

1. Sensitivity Test at Initial Verification

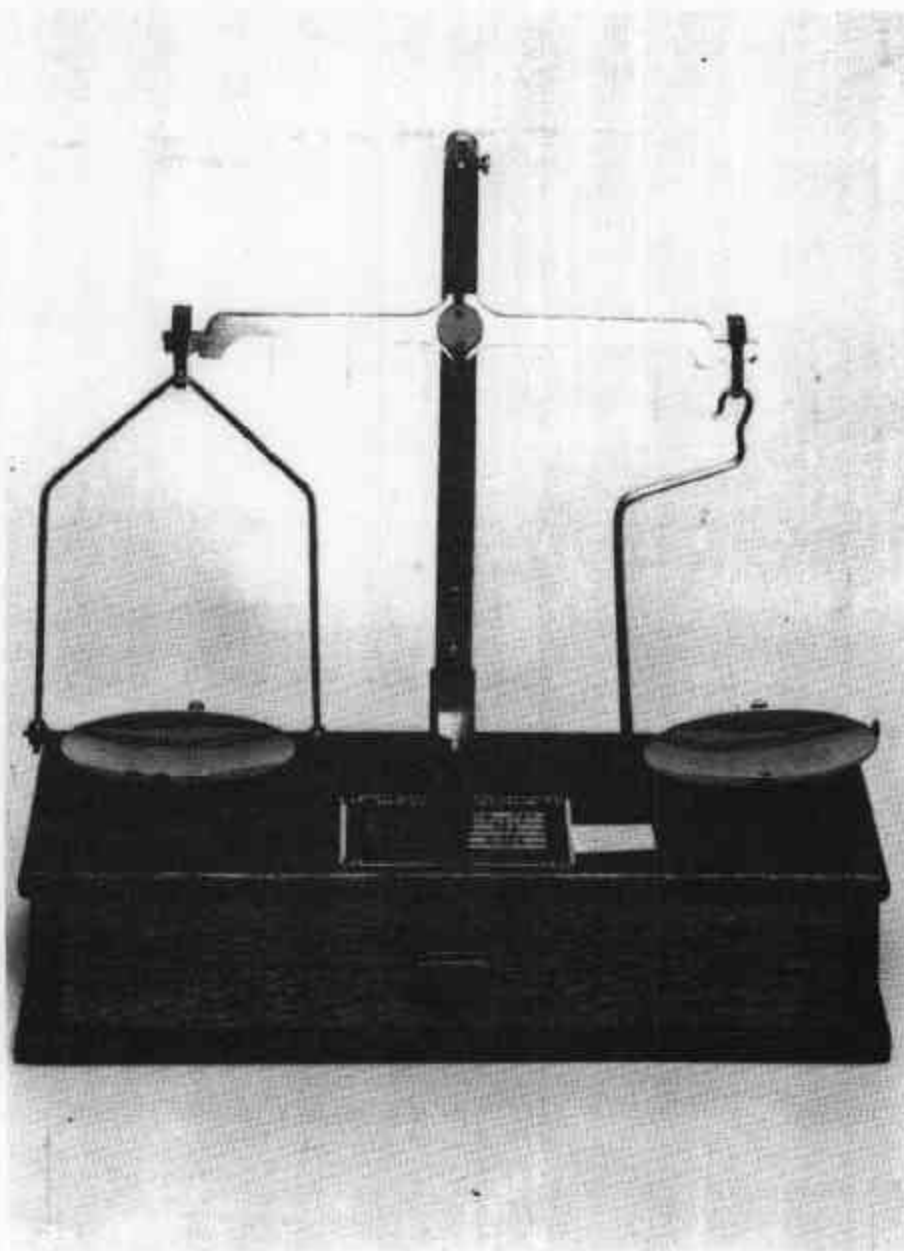
A mass equal to the verification scale interval placed on or subtracted from the instrument at equilibrium, loaded or unloaded, shall cause the indicating element to move to, but not necessarily remain at a position that is at least 20% of its range of movement from the original position.

2. Load Test

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

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FIGURE 6/1/3 - 1



Model TN SD5