



NATIONAL STANDARDS COMMISSION

6/9C/12B  
2/1/89

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/12B

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

Wedderburn Model 475 Weighing Instrument

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

This approval is issued upon completion of a review of NSC approval No 6/9C/12A.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/93.  
This approval expires in respect of new instruments on 1/2/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/12B.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 15/11/88

- Wedderburn model 475 weighing instrument of 25 kg capacity.

Variants: approved 15/11/88

1. Of up to 150 kg capacity.
2. With an alternative basework of up to 500 kg capacity.
3. With other Commission-approved lever type baseworks.
4. With an oil-filled dashpot in the pullrod.
5. With the indicator suspended, in which case the basework is replaced by a scoop or hook, and having a capacity up to 25 kg.

Technical Schedule No 6/9C/12B describes the pattern and variants 1 to 5.  
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Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/12B dated 2/1/89  
Technical Schedule No 6/9C/12B dated 2/1/89 (incl. Test Procedure)  
Figures 1 to 3 dated 2/1/89



# NATIONAL STANDARDS COMMISSION

6/9C/12B  
2/1/89

## TECHNICAL SCHEDULE No 6/9C/12B

Pattern: Wedderburn Model 475 Weighing Instrument.

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

### 1. Description of Pattern

A self-indicating weighing instrument (Figure 1) with a capacity of 25 kg approved for use with up to 500 verification scale intervals.

#### 1.1 Indicator

The dial indicator consists of a two-spring resistant with two air dashpots, a rack and pinion drive, a single or double-sided dial face and revolving index enclosed in various housings. A pullrod connects the resistant mechanism to the basework. For higher capacities an additional two springs may be connected in parallel.

#### 1.2 Basework

The load receptor is supported on self-aligning bearings by the four main load knife-edges of a second-order two-lever system (Figure 2) mounted in a framework which is fitted with wheels, four levelling legs and a level indicator. A transverse rod which is attached to the underside of the load receptor, passes through holes in the basework frame and limits horizontal movement of the receptor. A C-shaped link connects the two levers.

An adjustable nose-end extension is fitted to one main lever, the nose-end of which is connected to the pullrod and pinned to prevent movement after adjustment. The basework housing may be of cast or fabricated construction.

#### 1.3 Zero

Zero balance is achieved by means of a slotted-screw adjustment through the top of the indicator housing.

#### 1.4 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/9C/12B
Accuracy class	III
Maximum capacity	Max ..... *
Minimum capacity	Min ..... *
Verification scale interval	e = d = ..... *

\* In addition, these markings are repeated on the dial face.

Note: Instruments of 30 kg capacity or less which have a verification scale interval greater than 20 g, shall also be marked NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variants

2.1 Variant 1

In other capacities up to 150 kg.

2.2 Variant 2

With the basework replaced by an alternative basework of up to 500 kg capacity. This second-order two-lever system has a link with self-aligning bearings connecting the levers (Figure 3).

2.3 Variant 3

With the basework replaced by other Commission-approved lever type baseworks, provided that the instrument is used with up to 500 verification scale intervals.

2.4 Variant 4

With an oil-filled dashpot in the pullrod in lieu of the two air-filled dashpots in the resistant mechanism. An access hole is provided in the headwork-support pillar.

2.5 Variant 5

With the Indicator suspended, in which case the basework is replaced by a scoop or hook. The maximum capacity is limited to 25 kg.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

# National Standards Commission



## NOTIFICATION OF CHANGE

### CERTIFICATE OF APPROVAL No 6/9C/12B

#### CHANGE No 1

The following change is made to the approval documentation for the

Wedderburn Model 475 Weighing Instrument

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

In Technical Schedule No 6/9C/12B dated 2/1/89, clause 1.4 Markings should be amended by removing the Note (referring to the now obsolete requirement that certain instruments be marked NOT FOR TRADING DIRECT WITH THE PUBLIC).

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to read 'J. Birch', is written over the signature line.

# National Standards Commission



## NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/12B

CHANGE No 2

The following change is made to the approval documentation for the

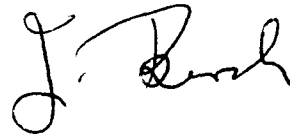
Wedderburn Model 475 Weighing Instrument

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

In Certificate of Approval No 6/9C/12B dated 2 January 1989, the Condition of Approval referring to the expiry of the approval should be amended to now read:

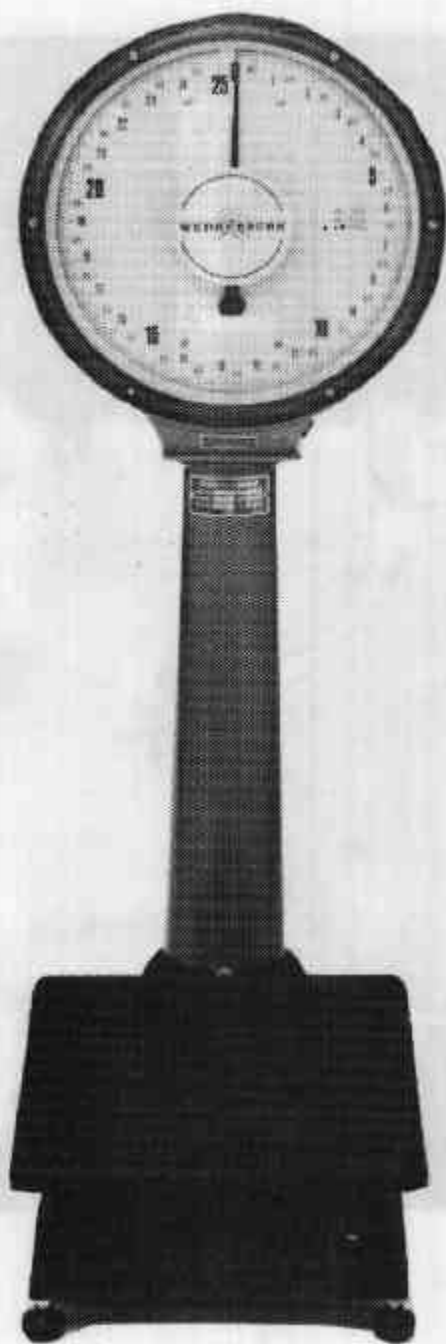
"This approval expires in respect of new instruments on 1 July 1995."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



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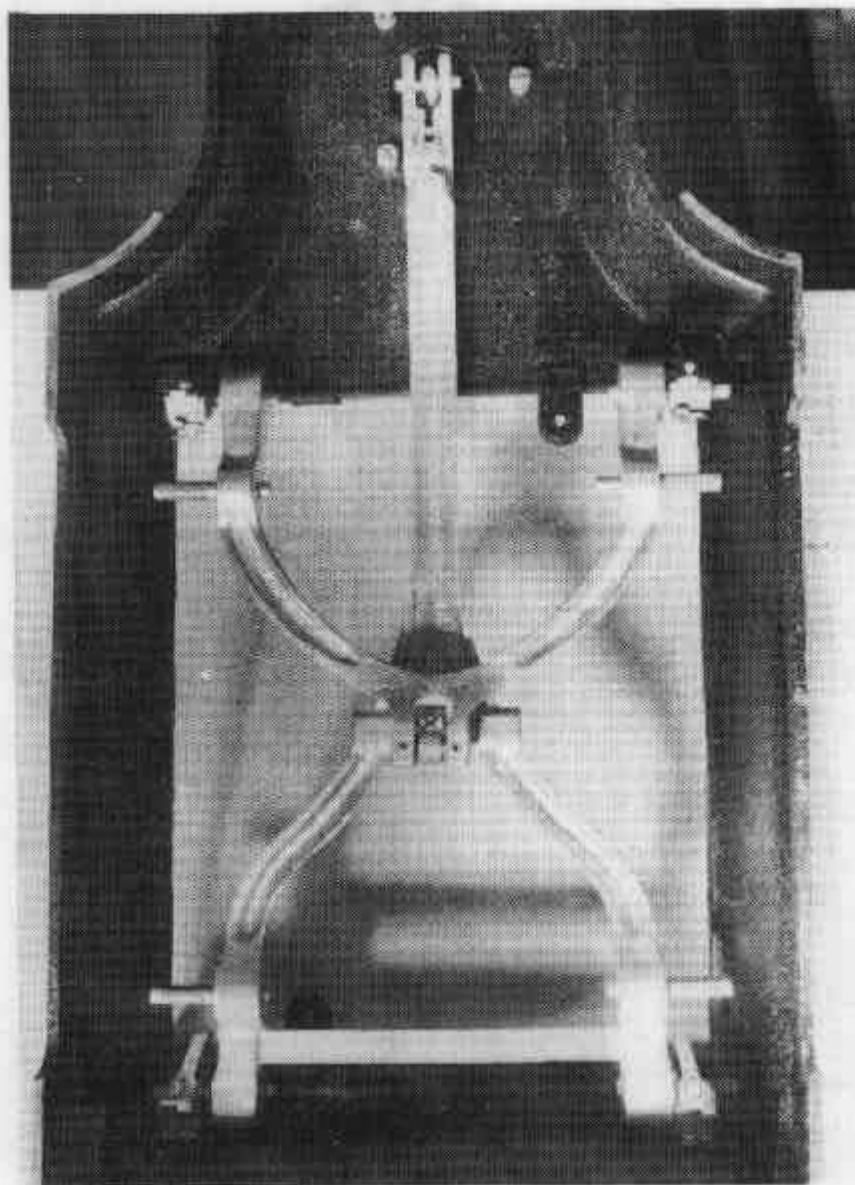
FIGURE 6/9C/12B - 1



Wedderburn Model 475 Weighing Instrument

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FIGURE 6/9C/12B - 2

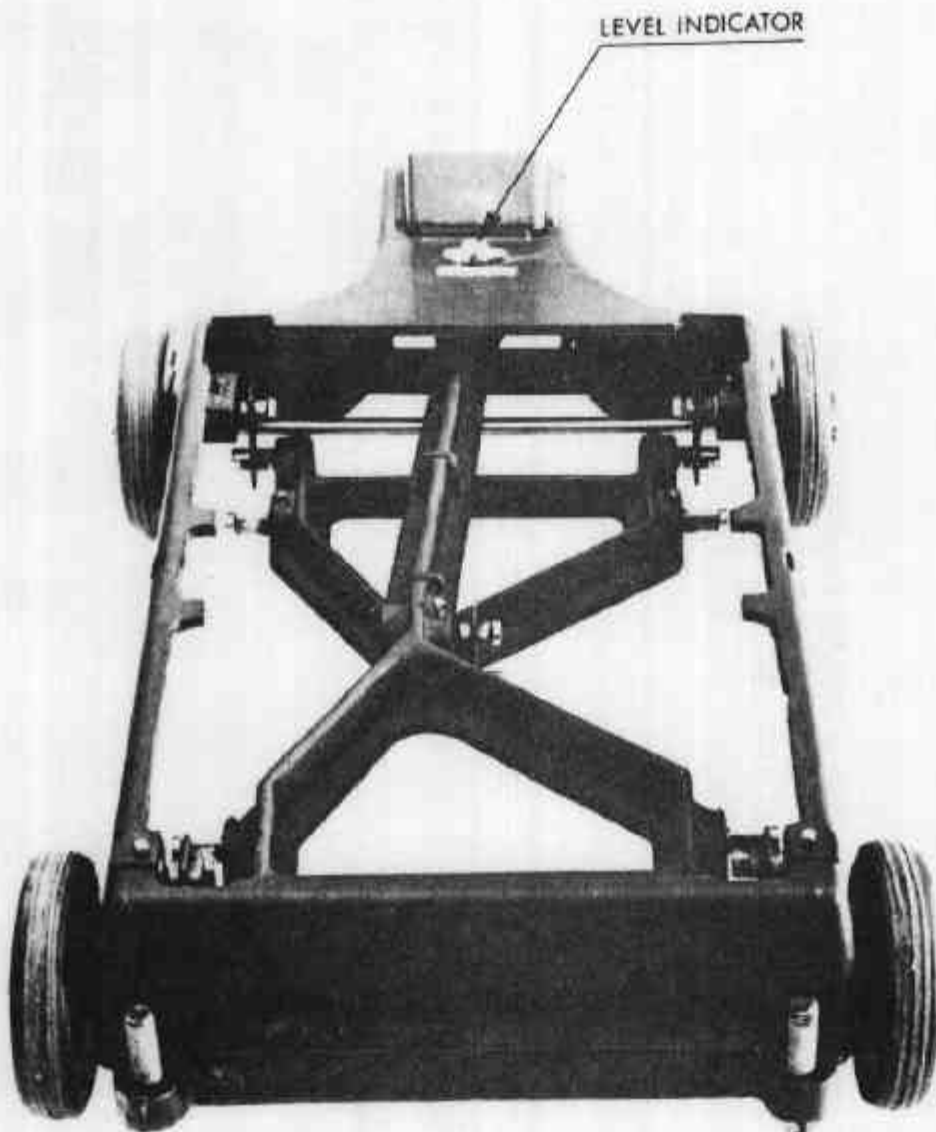


Lever System From Below



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FIGURE 6/9C/12B - 3



500 kg Lever System