CANCELLED 93
31-12-90

NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 7/5

This is to certify that the pattern and variants of the

J.W. Wedderburn Weighing and Counting Instrument Model 3T

submitted by J.W. Wedderburn & Sons Pty Ltd,
90 Parramatta Road,
Summer Hill, New South Wales, 2130

have been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Pattern: approved 1/9/80

A non self indicating weighing and counting instrument of capacity 310 kg by 0,1 kg scale interval.

Variant: approved 1/9/80

1. Of capacity 110 kg by 0,05 kg scale interval.

The pattern and variant are described in Technical Schedule No 7/5 and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 31/10/84.

All instruments conforming to this approval shall be marked with the approval number "NSC No 7/5".

Signed

Executive Director

15/9/80

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 7/5

Pattern: J.W. Wedderburn Weighing and Counting Instrument Model 3T

Submittor: J.W. Wedderburn & Sons Pty Ltd,
90 Parramatta Road,
Summer Hill, New South Wales, 2130.

1. Description of Pattern

The pattern is a non-self-indicating weighing and counting instrument of 310 kg capacity (Figure 1). The basework (Figure 2) consists of two Y-levers one of which is connected to a steelyard resistant mechanism which is graduated to 10 kg by 0,1 kg (Figure 3). The following proportional weights, marked with the serial number of the instrument, are provided:

2 equivalent to 100 kg,
1 equivalent to 50 kg,
2 equivalent to 20 kg, and
1 equivalent to 10 kg.

The counting ratio is 100:1. A counterbalanced sliding poise moving over a beam marked in 100 divisions enables counts between 1 and 100 to be made.

Adjusting holes in the bottom of the steelyard poise are sealed with a lead plug 4 mm in diameter. An ungraduated tare bar is provided and the instrument is fitted with a level indicator and four adjustable feet. Adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.1 Sealing

1. Lead plugs in beam poise.

2. Stamping plug over a screw retaining the cover of the sensitivity-adjusting device.

1.2 Markings

The instruments are marked with the following data:

Model	
Manufacturer's name	
Serial number of instrument	
NSC approval number in the form	NSC No 7/5
Accuracy class in the form	(III)
Maximum capacity in the form	Max .....*
Minimum capacity in the form	Min .....*
Verification scale interval in the form	d_d=e= ..... kg*
Mass of smallest unit to be counted	¶

and with COUNTING RATIO 100:1 on the front and the back of the counting pan.

2. Variant

1. Of 100 kg capacity, known as Model 2T. The beam is graduated to 5 kg by 0,05 kg, with the following proportional weights:

   1 equivalent to 50 kg
   2 equivalent to 20 kg
   1 equivalent to 10 kg
   1 equivalent to 5 kg

3. Test Procedure

The instrument should be tested as a weighing instrument and as a counting instrument.

1. Weighing Accuracy Requirements

   Maximum permissible errors are:

   ±0,5e for loads between 0 and 500e,

   ±1e for loads between 501e and 2000e; and

   ±1,5e for loads above 2000e.

2. Counting Accuracy Requirements

   2.1 The mass indicated should be 1e when a load equal to 1e is placed on the counting pan.

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*These markings are repeated on the beam

¶Value of verification scale interval

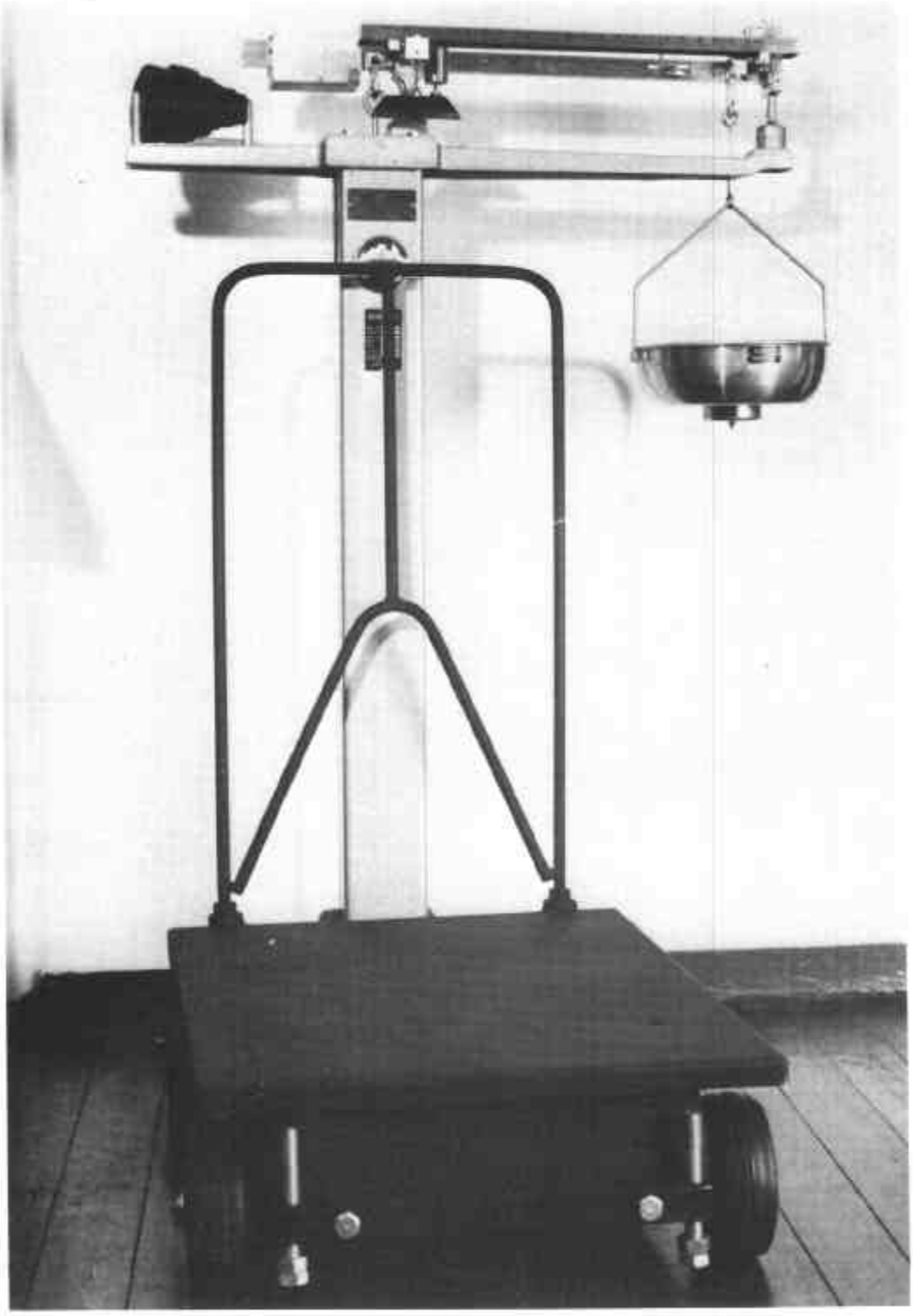
2.2 The mass indicated should be zero $\pm$1e when:

(a) a load equal to 1e is placed in the 100:1 ratio pan and a load equal to 100e is placed on the load pan;

(b) a load equal to $\frac{\text{Max}}{100}$ is placed in the 100:1 ratio pan and a load equal to Max is placed on the load pan.

2.3 The mass indicated should be zero $\pm$1e when test 2 is repeated with appropriate loads and the variable ratio pan set to 1:20, 1:40, 1:60, 1:80 and 1:100.

FIGURE 7/5 - 1



Model 3T

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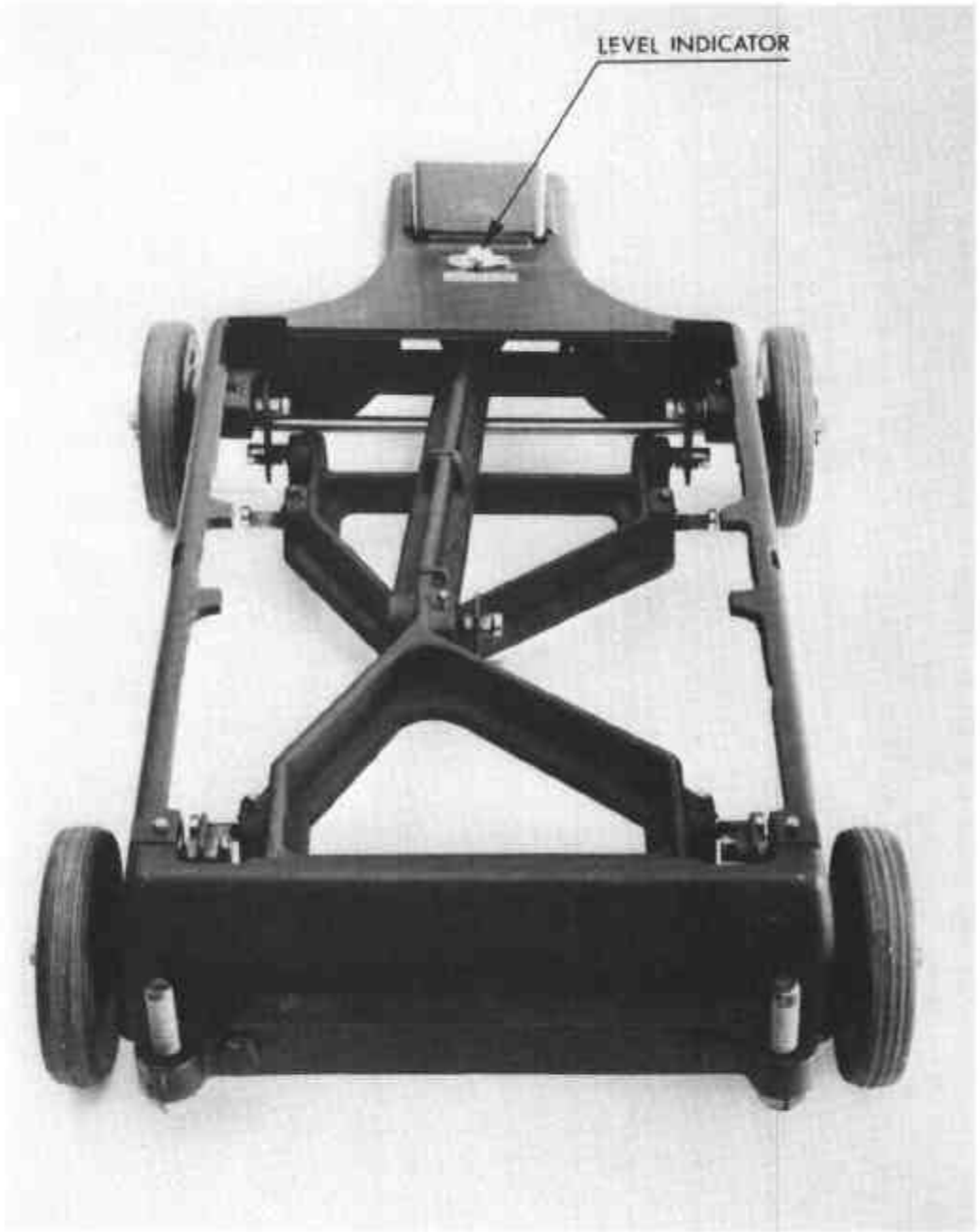
FIGURE 7/5 - 2



Basework, Model 3T

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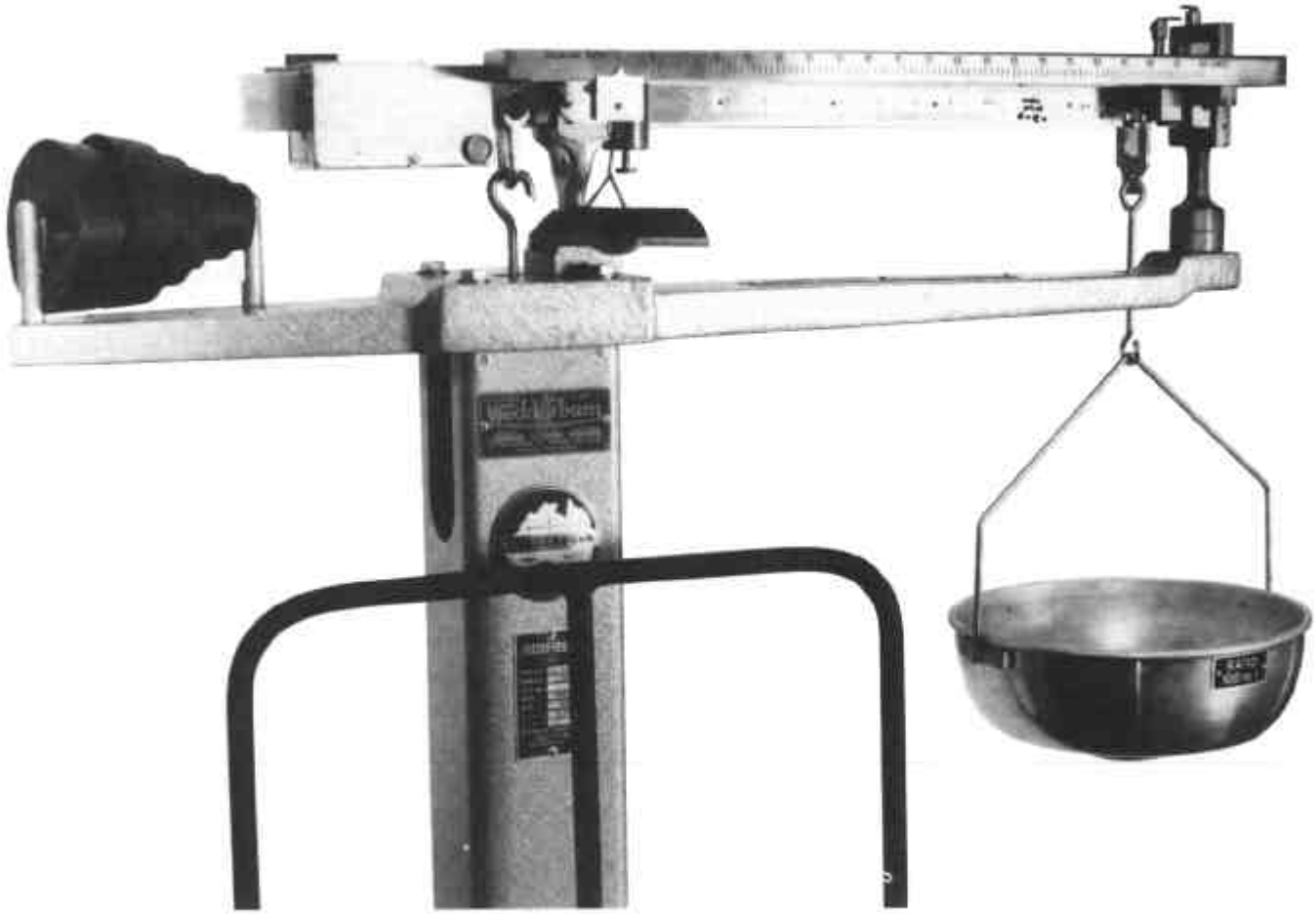
FIGURE 7/5 - 3



Steadwork, Model 3T