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CANCELLED

NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/4A/18

This is to certify that the pattern of the

J.W. Wedderburn Weighing Instrument Brecknell Model 75

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

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

Date of Approval: 29/6/79

The pattern is described in Technical Schedule No 6/4A/18, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1/7/84.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4A/18".

Signed

Executive Director



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4A/18

Pattern: J.W. Wedderburn Weighing Instrument Brecknell Model 75

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

Date of Approval: 29/6/79

All instruments conforming to this approval shall be marked "NSC No 6/4A/18".

1. Description of Pattern

The pattern is a partly self-indicating weighing instrument of 2 kg capacity with a centre-zero mass reading face, graduated in 5 g scale intervals up to ± 30 g on both sides of the instrument (Figures 1 and 2). The headwork column can be rotated through 90° .

The basework comprises an inverted Roberval lever fitted with an oil dashpot and covered balance boxes beneath both the load and the weight receptors (Figure 3).

The indicating mechanism (Figure 4) consists of an indicator, drum, and balance weight. A steel ribbon is coupled at one end to an arm which extends from the weight receptor leg; the ribbon passes over and is secured to the drum, and at the other end is attached to the frame of the instrument through a helical spring. A second spring is coupled between the arm and the base of the instrument. The two springs make up the load resistant.

The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/4A/18
Accuracy class in the form:	III
Maximum capacity in the form:	Max 2 kg [#]
Minimum capacity in the form:	Min 0,1 kg [#]
Verification scale interval in the form:	d = e = 5 g [#]

* These markings are repeated on both mass reading faces.

②

2. Variant

With mass reading face graduated in 2 g intervals up to ± 10 g; the instrument is marked:

Max	2 kg
Min	0,04 kg
d = e =	2 g

3. Test ProcedureAccuracy requirements

The maximum permissible errors are:

$\pm 0,5e$ for loads between 0 and 500e, and

$\pm 1e$ for loads between 501e and the maximum capacity of the instrument.

FIGURE 6/4A/18 - 1



Brecknell Model 75

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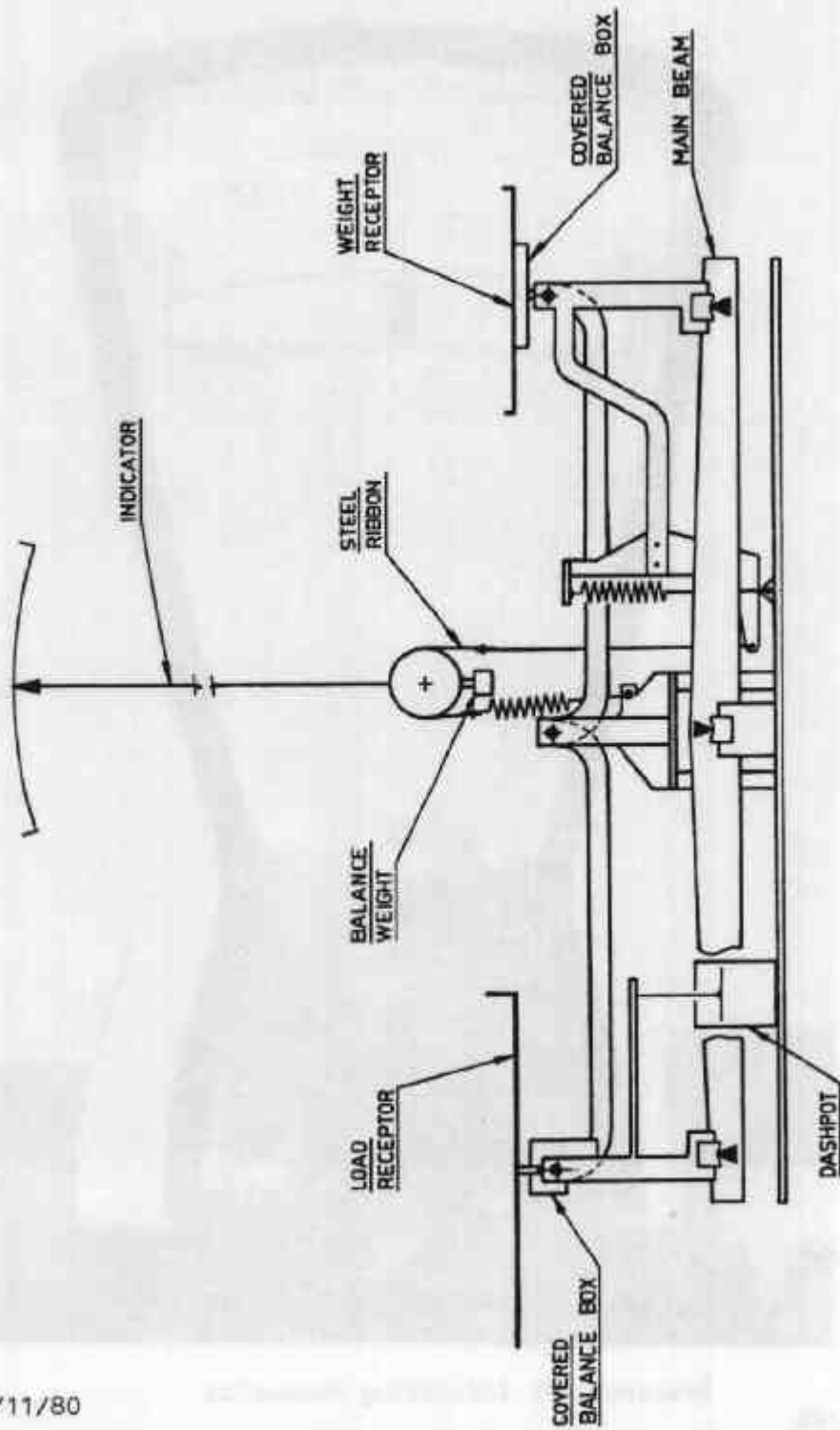
FIGURE 6/4A/18 - 2



Brecknell 75 - Reading Face

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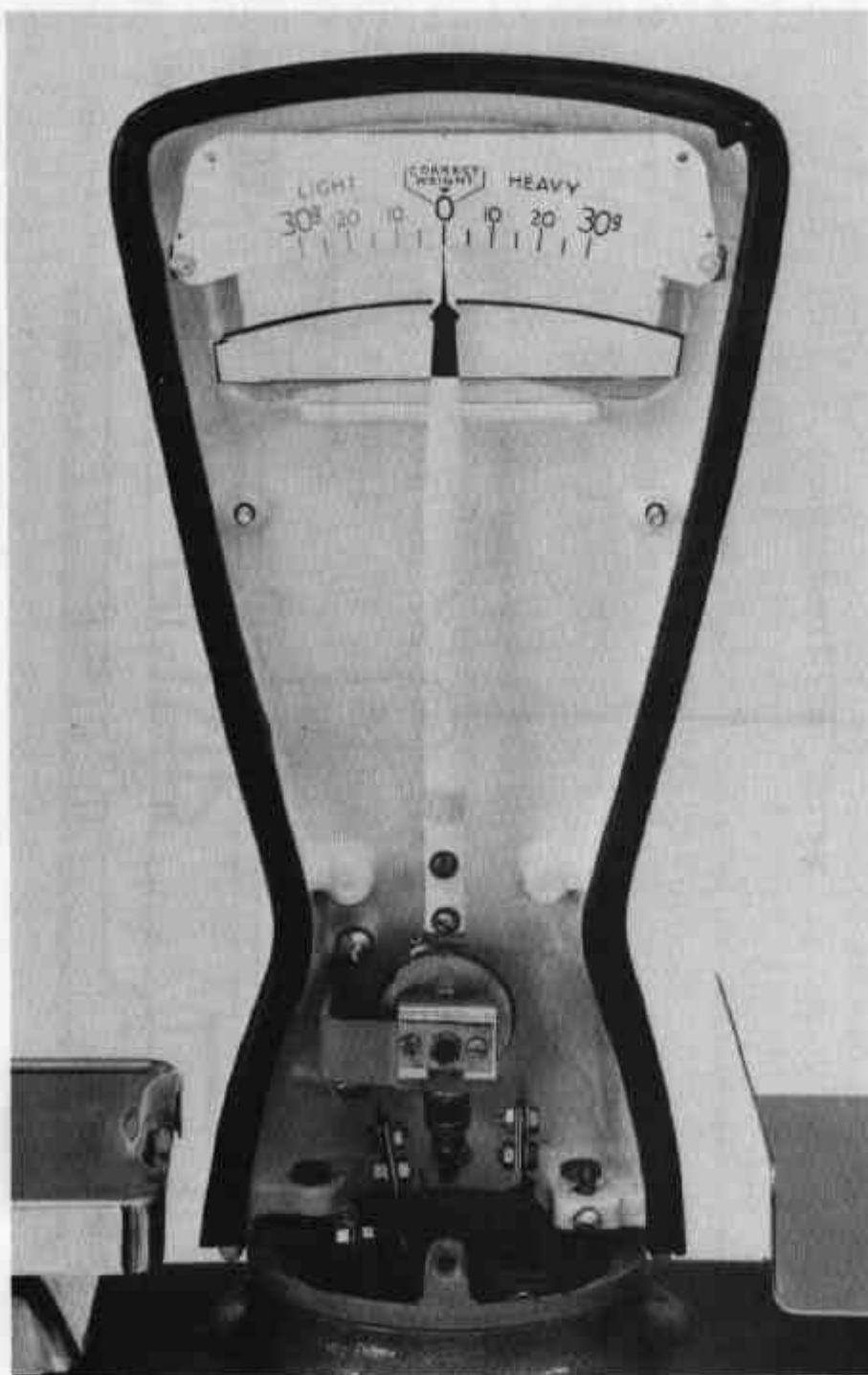
FIGURE 6/4A/18 - 3



Lever and Indicating Mechanism

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FIGURE 6/4A/18 - 4



Brecknell 75 Indicating Mechanism

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