



# CANCELLED

## NATIONAL STANDARDS COMMISSION

### CERTIFICATE OF APPROVAL No 6/9B/3

This is to certify that the pattern of the

Brecknell Weighing Instrument Model 730

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.

Pattern: approved 10/11/80

- Partly Self-Indicating Platform weighing instrument of capacity 250 kg by 0.2 kg scale interval.

The pattern is described in Technical Schedule No 6/9B/3 and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 30/11/85.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/9B/3".

Signed

Executive Director



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No 6/98/3

Pattern: Brecknell Weighing Instrument Model 730

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

### 1. Description of Pattern

A portable platform weighing instrument (Figure 1).

Maximum capacity	250 kg
Minimum capacity	10 kg
Scale interval	0.2 kg

#### 1.1 Basework

Two second order levers connected to a pull rod (Figure 2).

#### 1.2 Headwork

- (a) Centre-zero dial (Figure 3).
- (b) Tool operated zero device.
- (c) Steelyard of 5 kg capacity by 0.2 kg scale intervals (Figure 4).
- (d) Proportional weights of
  - 1 equivalent to 5 kg
  - 2 equivalent to 10 kg
  - 1 equivalent to 20 kg
  - 4 equivalent to 50 kg

#### 1.3 Sealing

The indicator is sealed with a stamping plug on the housing.

#### 1.4 Marking

The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/98/3
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 = e = .....*

\* These markings are repeated on or near the reading face of the instrument.

## 2. Test Procedure

### 2.1 Accuracy Requirements

The maximum permissible errors are:

$\pm 0.5 e$  for loads between 0 and 500 e

$\pm 1 e$  for loads between 501 e and 1250 e.

### 2.2 Zero Range

The maximum range of the zero adjustment should not exceed 4% of the capacity of the instrument ( $\pm 2\%$  approximately).

### 2.3 Off-centre Load Test

The instrument should satisfy the accuracy requirements given above when a load corresponding to 1/3 maximum capacity is distributed successively along each edge of the load receptor over an area not exceeding  $\frac{1}{4}$  the total area of the receptor.

### 2.4 Level Sensitivity

When the instrument is tilted so that the bubble in the level indicator moves 2 mm, the zero indication should not change more than 2 e and when zero is manually reset in the tilted position, the instrument should satisfy the accuracy requirements given above.

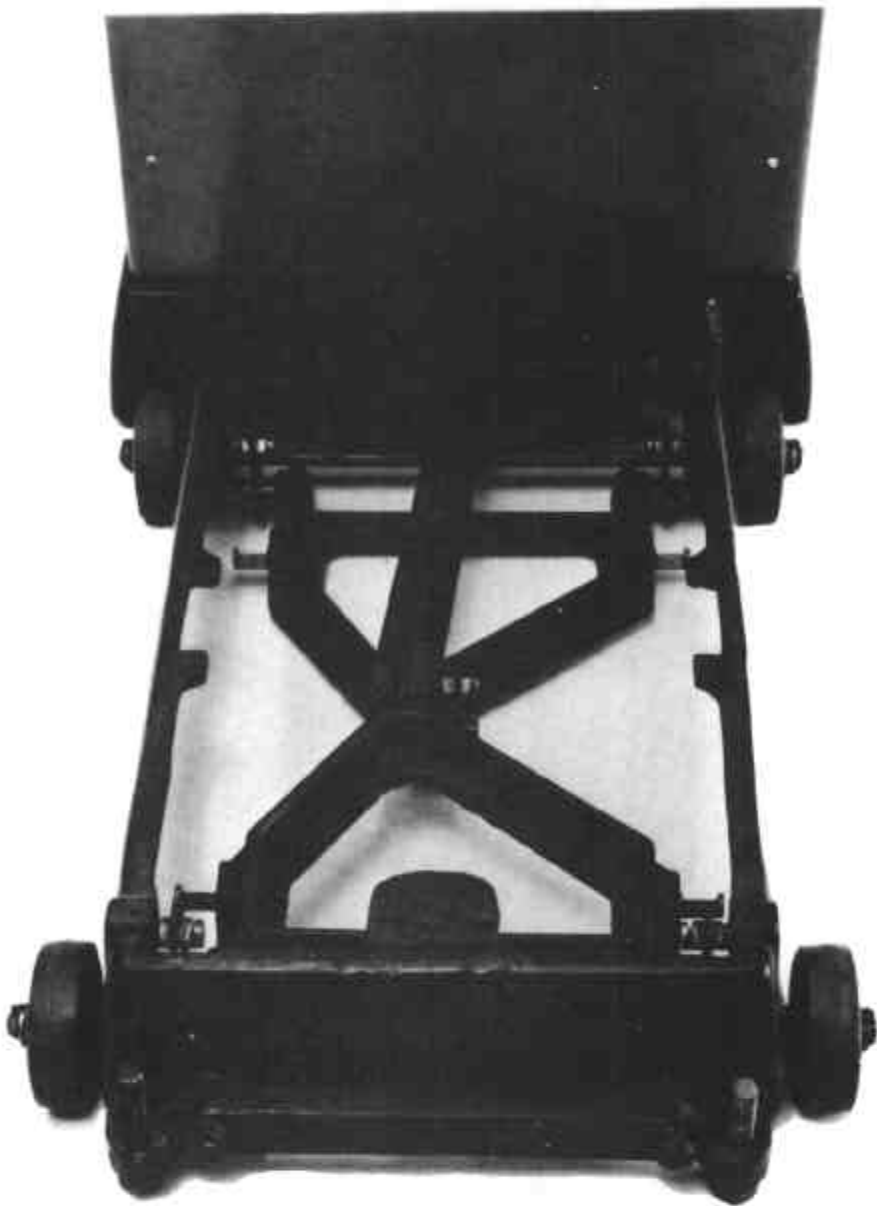
FIGURE 6/98/3 - 1



Brecknell Model 730

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FIGURE 6/98/3 - 2



Model 730 - Baseworks

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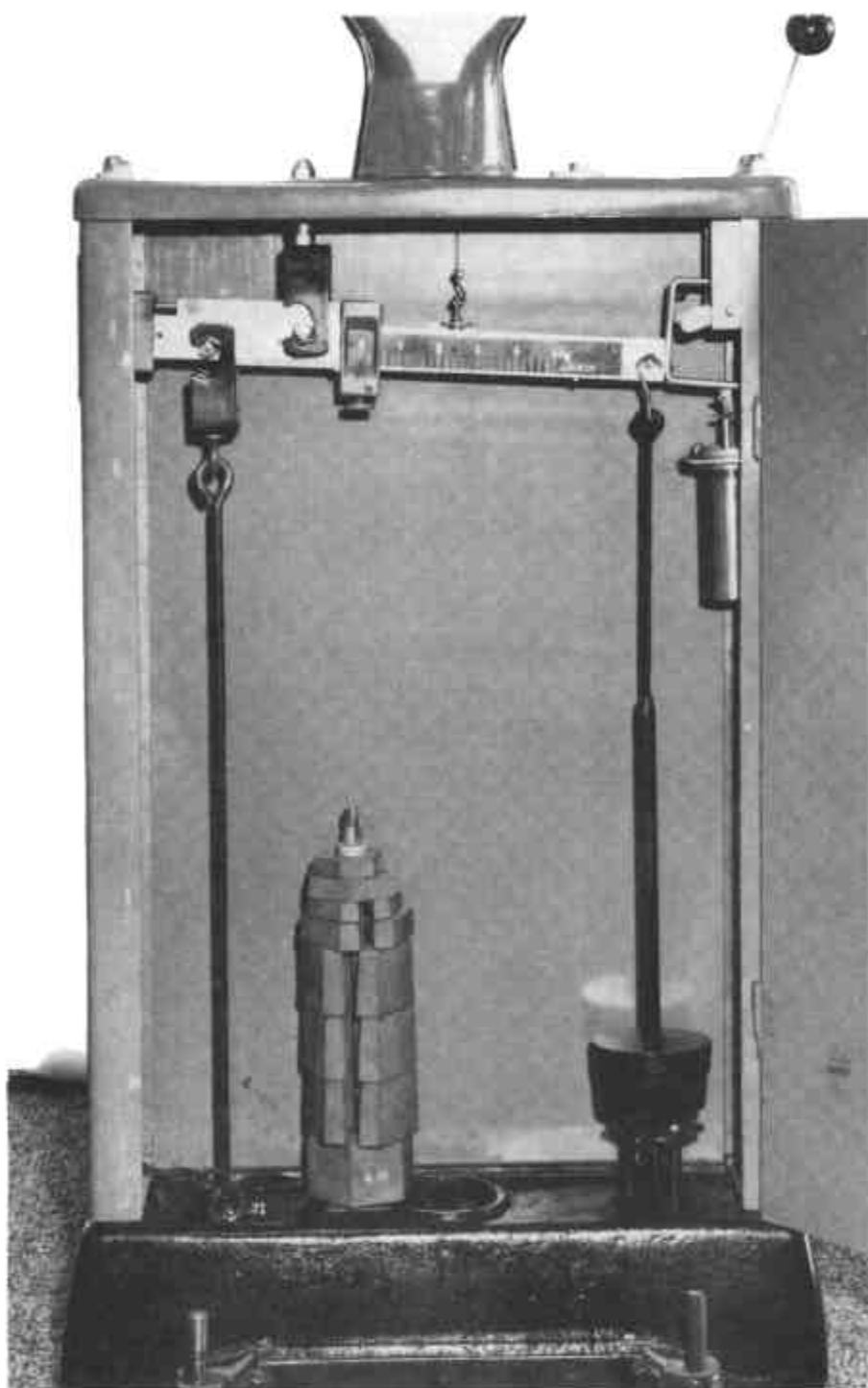
FIGURE 6/98/3 - 3



Model 730 - Reading Face

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FIGURE 6/98/3 - 4



Model 730 - Steelyard  
and Proportional Weights

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