



# CANCELLED

## NATIONAL STANDARDS COMMISSION

### CERTIFICATE OF APPROVAL No 6/9A/10

This is to certify that the pattern and variants of the

Brecknell Model 721 Portable Weighing Instrument

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 13/1/81

Non-Self-Indicating Portable Weighing Instrument of 310.0 kg maximum capacity  
with a steelyard of 10.0 kg capacity by 0.5 kg.

Variants: approved 13/1/81

Variant 1

With a steelyard of 10.0 kg capacity by 0.2 kg.

Variant 2

Of capacity 510 kg with a steelyard of 10 kg capacity by 0.5 kg.

The pattern and variants are described in Technical Schedule No 6/9A/10 and in  
drawings and specifications lodged with the Commission.

The approval is subject to review on or after 31/12/85.

All instruments conforming to this approval shall be marked with the approval  
number "NSC No 6/9A/10".

Signed

Acting Executive Director

## TEST SCHEDULE No 6/9A/10

### 1. Accuracy Requirements

The maximum permissible errors are:

- $\pm 0.5e$  for loads between 0 and 500e; and
- $\pm 1e$  for loads between 501 and maximum capacity

### 2. Zero range

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

### 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 1/5 the total area of the receptor.

### 4. Level Sensitivity

Tilt the instrument so that the bubble in the level indicator moves 2 mm and reset zero; the instrument should satisfy the accuracy requirements given above.



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No 6/9A/10

Pattern: Brecknell Model 721 Portable Weighing Instrument

Submittor: 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 310.0 kg  
Minimum capacity 10.0 kg  
Scale interval 0.5 kg

#### 1.1 Basework

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

#### 1.2 Levelling

The instrument is fitted with a level indicator and four adjustable feet; adjacent to this indicator is a notice advising that the instrument must be level when in use.

#### 1.3 Steelyard

Graduated steelyard (Figure 3) of 10.0 kg capacity by 0.5 kg scale intervals, with the following proportional weights:

1 equivalent to 10 kg  
2 equivalent to 20 kg  
1 equivalent to 50 kg  
2 equivalent to 100 kg

#### 1.4 Sealing

- (i) The steelyard is provided with a stamping plug (Figure 3).
- (ii) The proportional weights are marked with the instrument's serial number and have a lead-plugged undercut hole for stamping.

#### 1.5 Marking

The nameplate is marked with the following data:

Manufacturer's name  
Serial number of instrument  
NSC approval number in the form:  
Accuracy class in the form:  
Maximum capacity in the form:  
Minimum capacity in the form:  
Verification scale interval in the form:

NSC No 6/9A/10

III

Max .....\*

Min .....\*

d = e = .....\*

## 2. Description of variants

### 2.1 Variant 1

With a steelyard of capacity 10.0 kg by 0.2 kg.

### 2.2 Variant 2

Of capacity 510 kg with a steelyard of 10 kg by 0.5 kg with the following proportional weights:

1	equivalent	to 10 kg
2	"	to 20 kg
1	"	to 50 kg
2	"	to 100 kg
1	"	to 200 kg

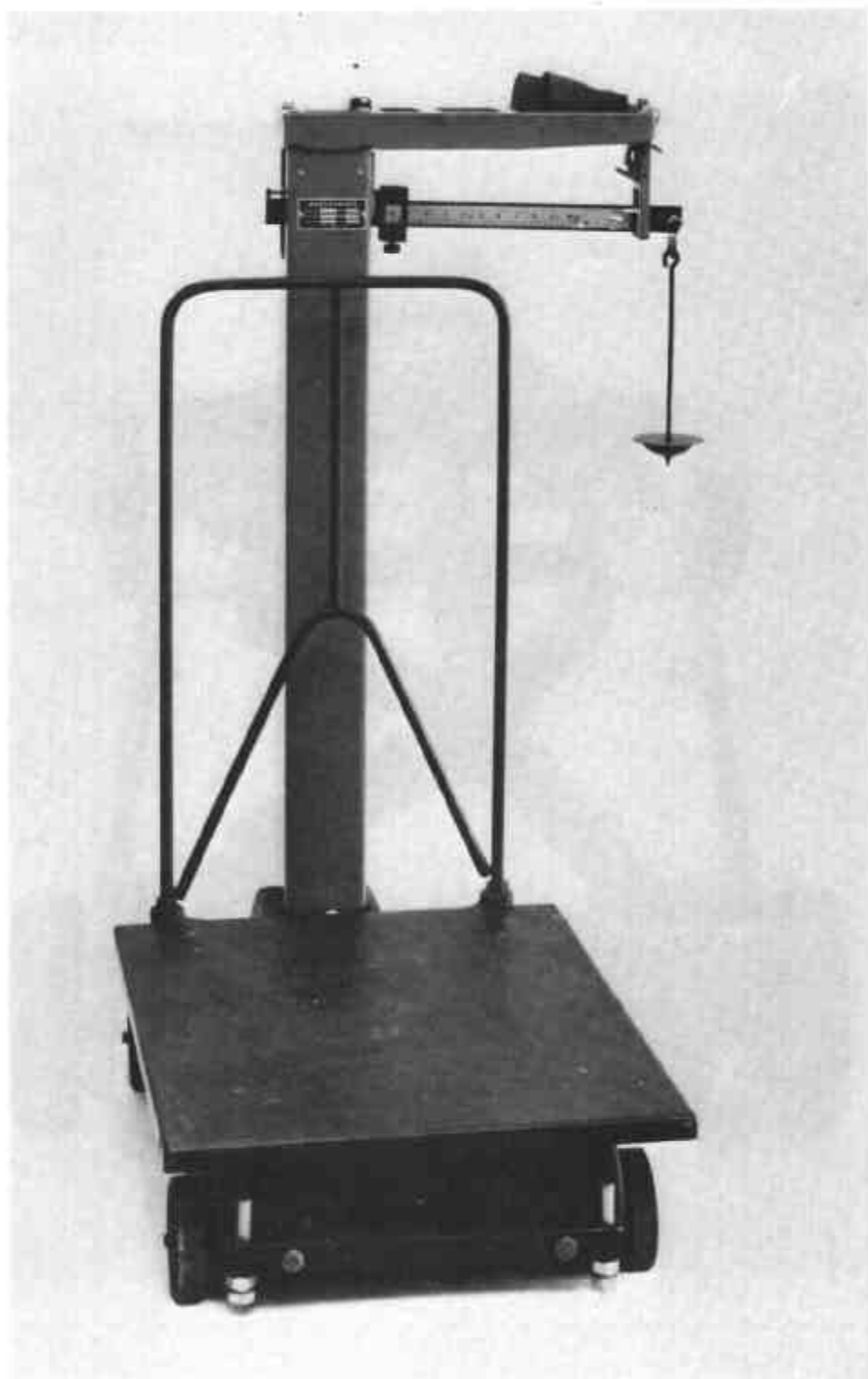
## 3. Test Procedure

Testing is carried out in accordance with the attached Test Schedule.

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

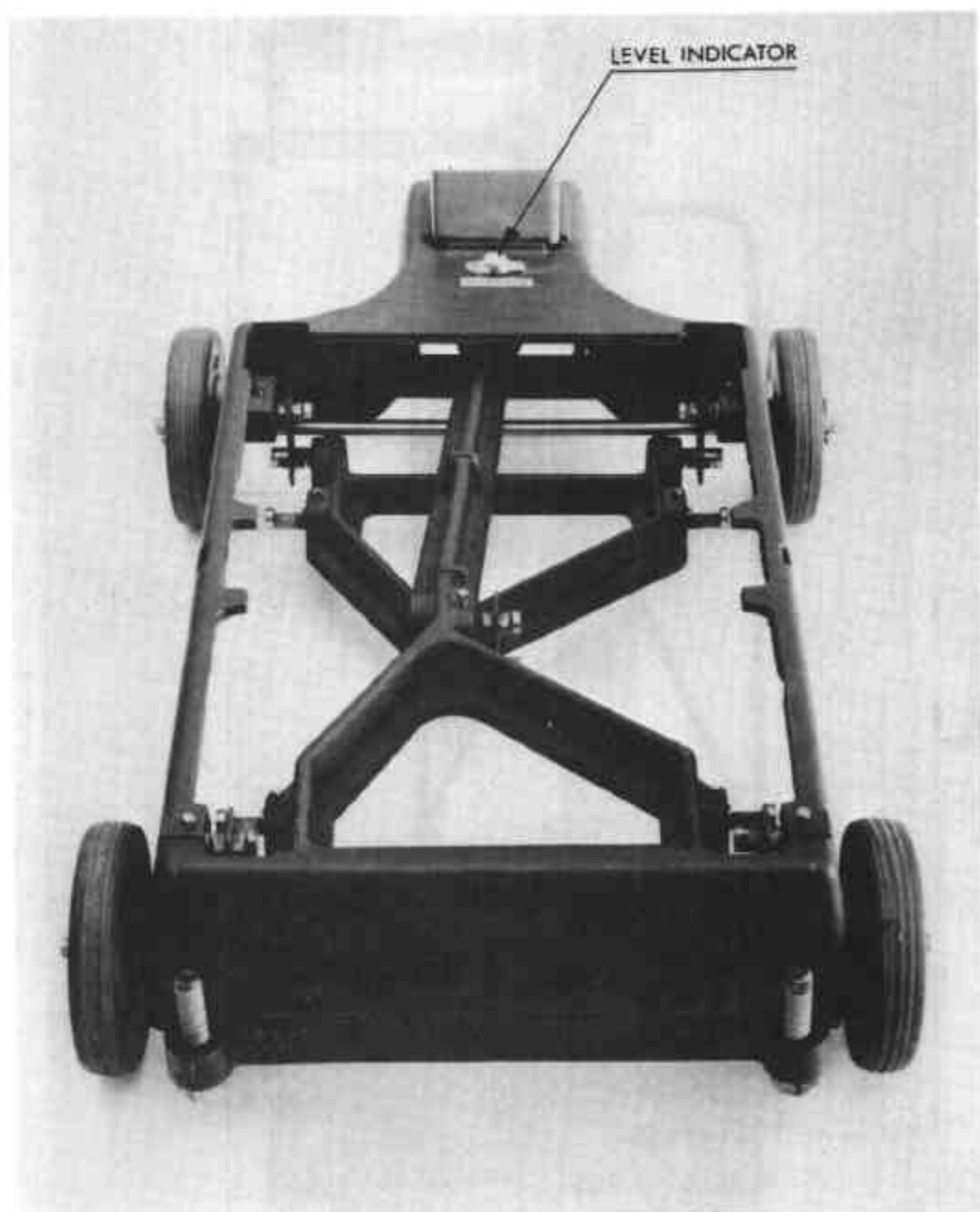
FIGURE 6/9A/10 - 1



Brecknell Model 721

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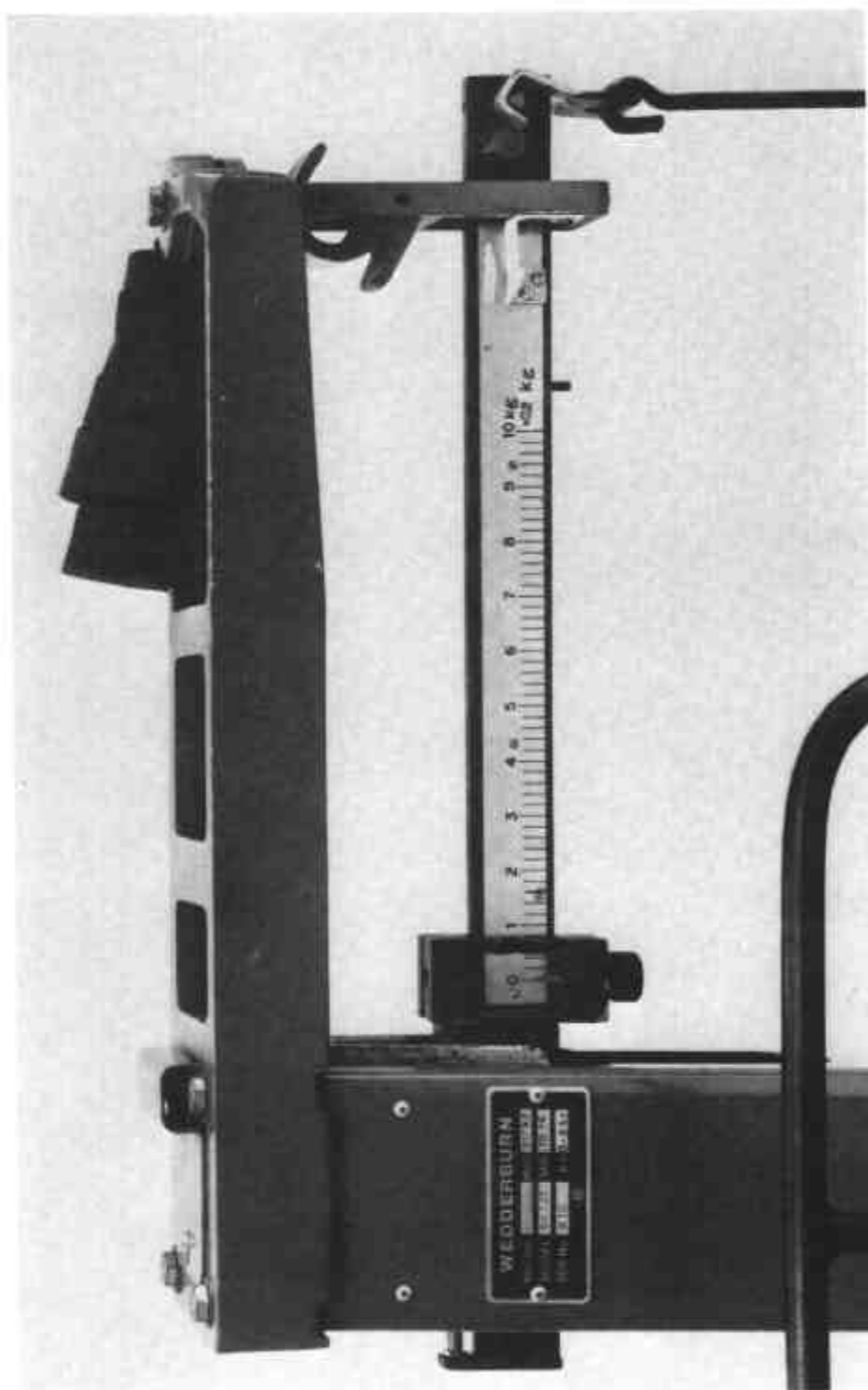
FIGURE 6/9A/10 - 2



Baseworks, Model 721

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FIGURE 6/9A/10 - 3



Steelyard, Model 721 - Variant 1