NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9A/12

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

Brecknell Model 552AAG Weighing Instrument

submitted by Brecknell Australia
3-5 Birmingham Avenue
Villawood NSW 2163.

Conditions of Approval

This approval is subject to review on or after 1/8/91.

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

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

J. Burch

Executive Director

Descriptive Advice

Pattern: approved 11/7/85

. Brecknell model 552AAG non-self-indicating portable weighing instrument of 250 kg maximum capacity with a verification scale interval of 0.1 kg.

Technical Schedule No 6/9A/12 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9A/12 dated 17/4/86
Technical Schedule No 6/9A/12 dated 17/4/86
Test Procedure No 6/9A/12 dated 17/4/86
Figures 1 to 3 dated 17/4/86

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9A/12

Pattern: Brecknell Model 552AAG Weighing Instrument

Submittor: Brecknell Australia
3-5 Birmingham Avenue
Villawood NSW 2163

1. Description of Pattern

A portable non-self-indicating platform weighing instrument (Figure 1) of 250 kg maximum capacity with a verification scale interval of 0.1 kg.

1.1 Basework

The load receptor is supported by two second order levers connected to a pullrod (Figure 2). The basework cover and platform are of mild steel.

1.2 Levelling

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

1.3 Steelyard

A graduated steelyard (Figure 3) of 10 kg capacity with 0.1 kg scale intervals, with the following proportional weights:

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

1.4 Verification Provision

The steelyard is provided with a stamping plug (Figure 3).

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 or mark	
Serial number of instrument	
NSC approval number	NSC No 6/9A/12
Accuracy class in the form:	(III)
Maximum capacity in the form:	Max .....*
Minimum capacity in the form:	Min .....*
Verification scale interval in the form:	e = d = ...*

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* If the nameplate is not adjacent to the steelyard these markings are repeated on the steelyard.

TEST PROCEDURE No 6/9A/12

The maximum permissible errors are:

± 0.5e for loads between 0 and 500e;
± 1.0e for loads between 501 and 2000e; and
± 1.5e for loads above 2000e.

1. Load Tests

Test loads are to be applied to the instrument with the first step equal to the minimum capacity, increasing to maximum capacity in not less than 5 approximately equal steps, and followed by decreasing loads of not less than 5 approximately equal steps.

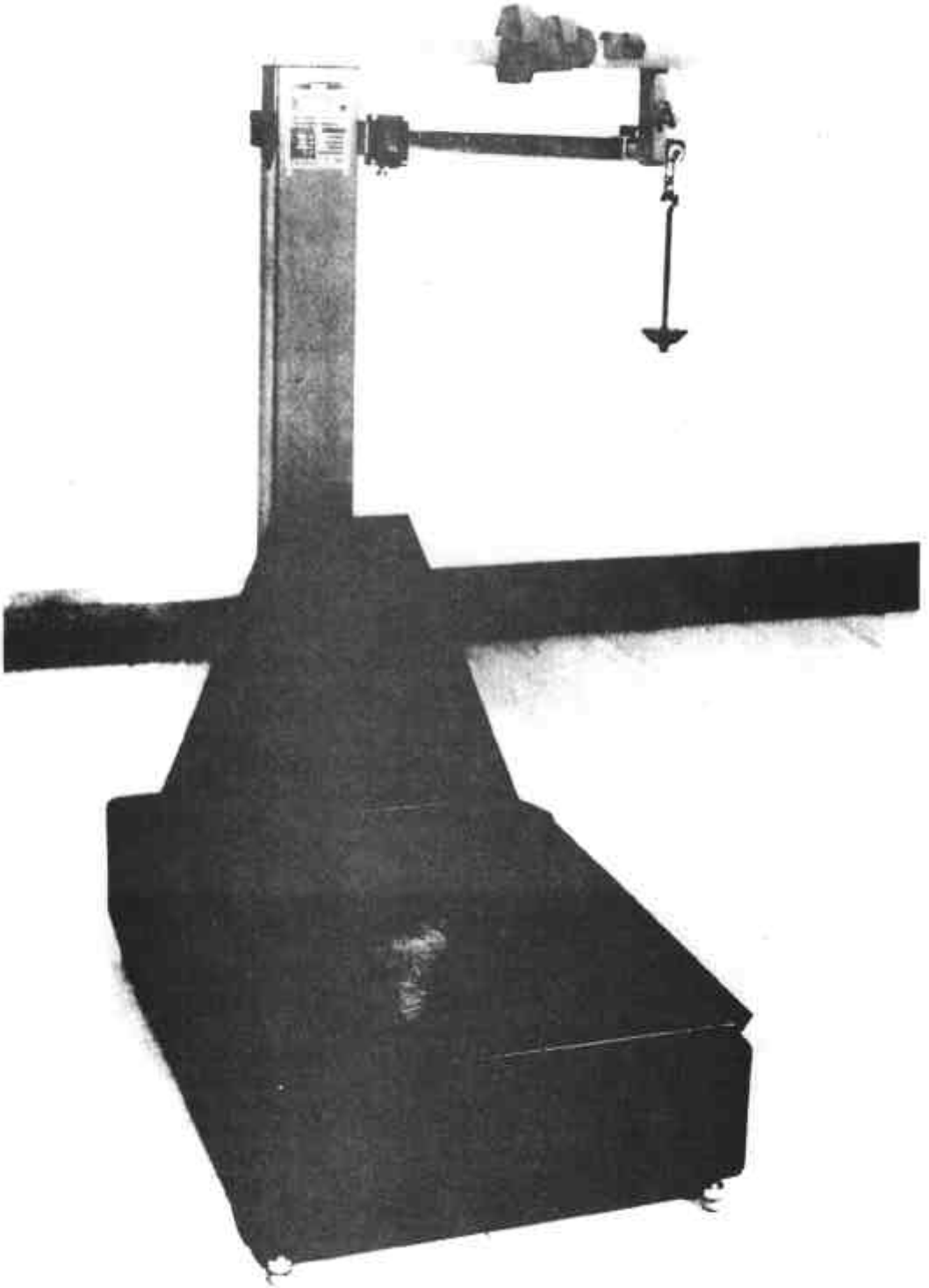
2. Zero Range

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

3. Sensitivity Test at Initial Verification

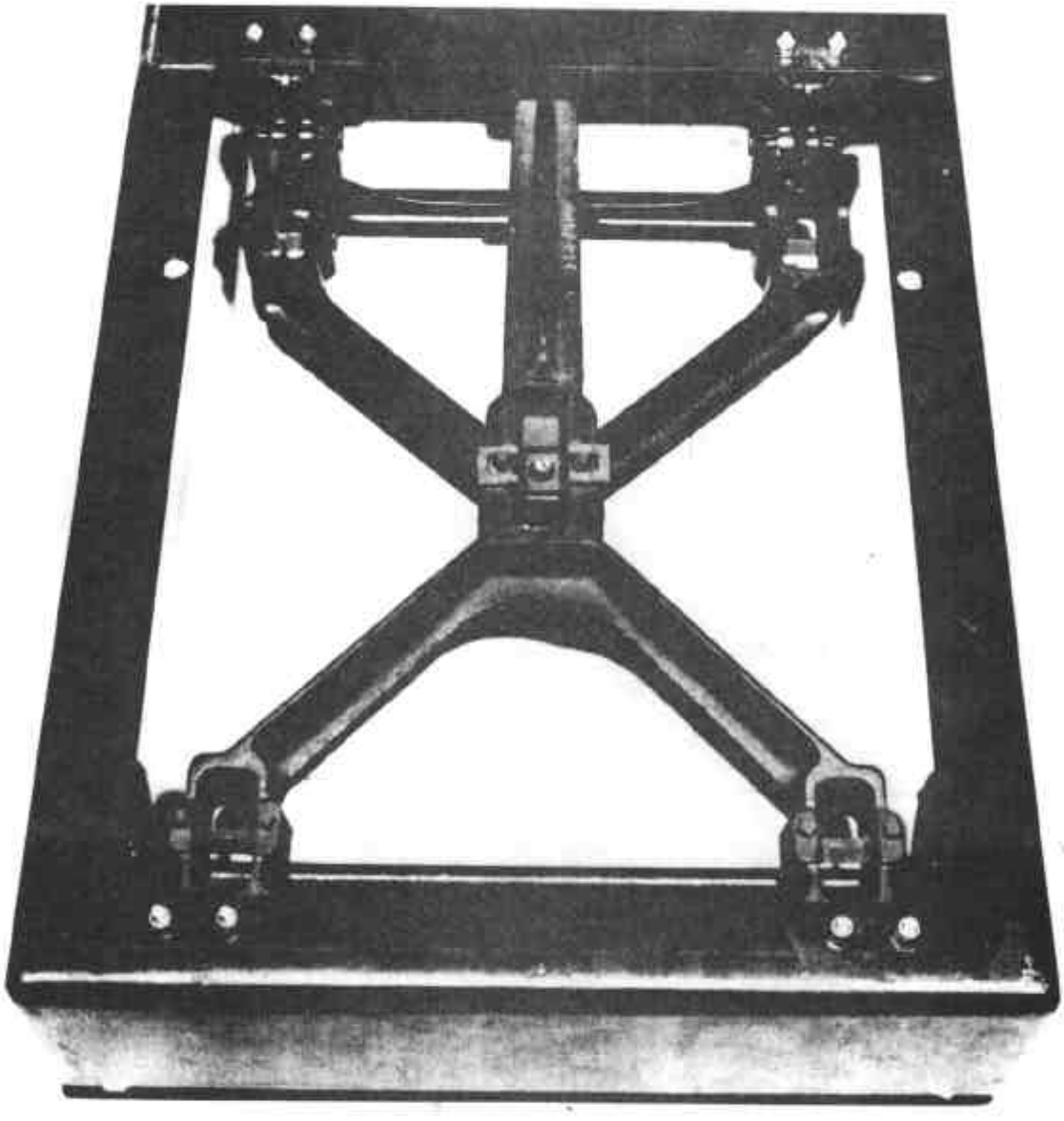
A mass equal to the verification scale interval placed on or subtracted from the instrument at equilibrium, loaded or unloaded, shall cause the indicating element to move to, but not necessarily remain at the limit of its movement.

FIGURE 6/9A/12 -



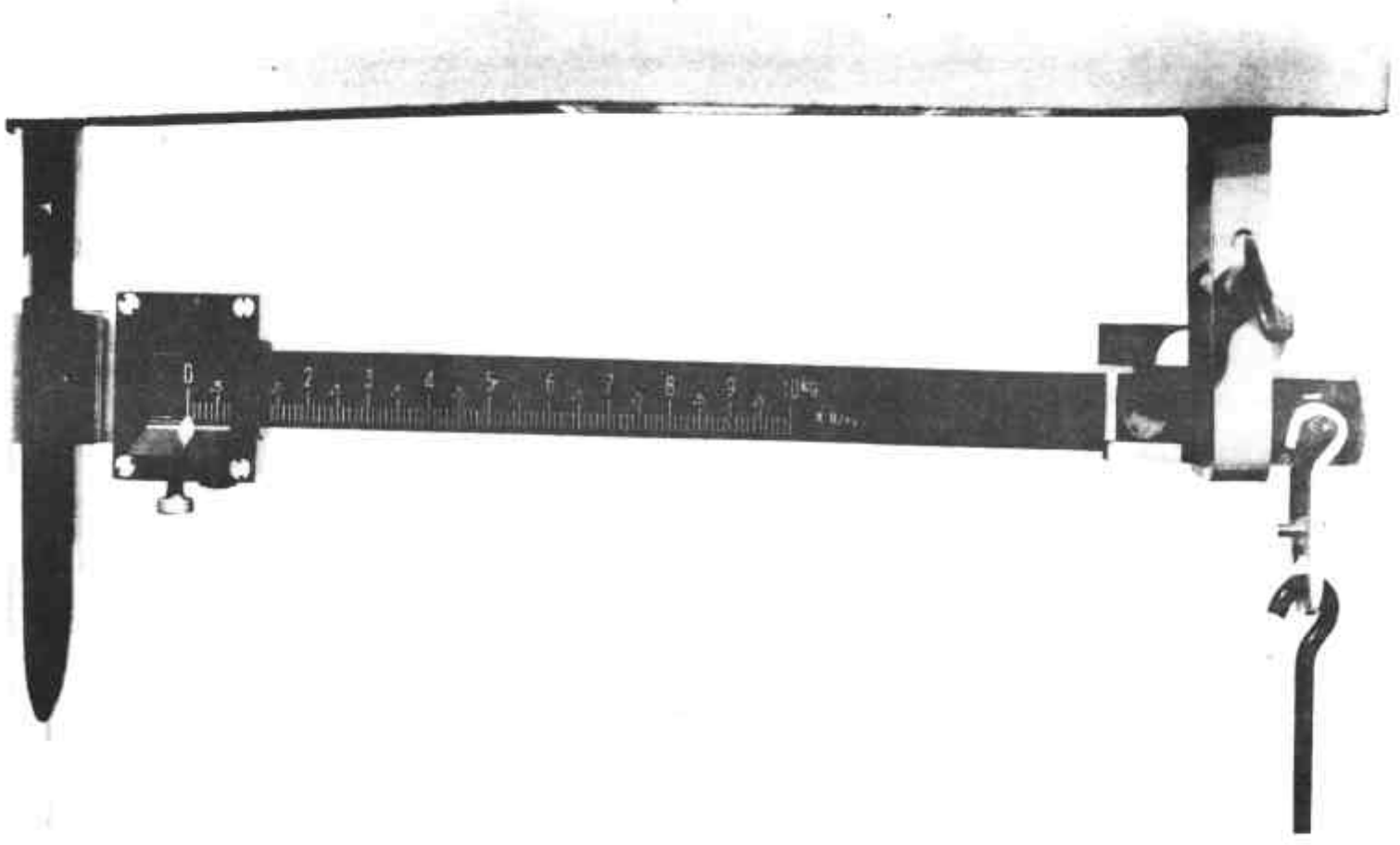
Brecknell Model 3552AAG

FIGURE 6/9A/12 - 2



Basework With Cover Removed

FIGURE 6/9A/12 - 3



Steelyard