National Standards Commission

Cancellation

Certificate of Approval No 6/9A/8

This is to certify that the approval for use for trade granted in respect of the

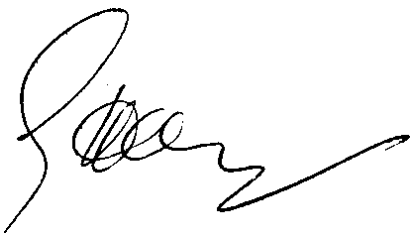
Mercury Weighing Instrument Model 600

submitted by Mercury Scale Co. Pty Ltd
(now A & D Mercury Pty Ltd)
32 Dew Street
Thebarton SA 5031

has been cancelled in respect of new instruments as from 31 May 1999.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/9A/8

This is to certify that the pattern of the

Mercury Weighing Instrument Model 600

submitted by Mercury Scale Co. Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031,

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

Date of Approval: 13 February 1980

The pattern is described in Technical Schedule No 6/9A/8 and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 30 September 1984.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/9A/8".

Signed

Executive Director

27/2/80

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9A/8

Pattern: Mercury Weighing Instrument Model 600

Submittor: Mercury Scale Co. Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031.

Description of Pattern:

The pattern (Figure 1) is a non-self-indicating weighing instrument of up to 260 kg maximum capacity with a steelyard of 20 kg capacity by 0,2 kg, and the following proportional weights:

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

The platform has four self-aligning bearings supported on the load knife-edges of a long and a short second-order main lever. The fulcrum knife-edges seat in self-aligning bearings located in four links suspended from the base frame. The two main levers are coupled by a circular link bearing (Figure 2).

The nose-end knife-edge of the long lever is connected by a pullrod to the steelyard. An adjusting hole in the bottom of the steelyard poise is sealed with a lead plug 10 mm in diameter. A fixed index is fitted to the steelyard guide and a balance indicating line is fitted to the steelyard (Figure 3).

The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC 6/9A/8
Accuracy class in the form:	(III)
Maximum capacity in the form:	Max 260 kg*
Minimum capacity in the form:	Min 2,5 kg*
Verification scale interval in the form:	d = e = 0,2 kg*

The instrument is marked NOT FOR RETAIL COUNTER USE.

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* If the nameplate is not adjacent to the steelyard these markings are repeated on or in the vicinity of the steelyard.

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.

Variant:

1. With a maximum capacity of 210 kg, known as Model 522.

Test Procedure:

1. Accuracy Requirements:

The maximum permissible errors are:

± 0,5e for loads between 0 and 500e;
± 1e for loads between 501e and maximum capacity.

2. Sensitivity:

A mass of 0,5e for loads up to 500e and for 1e for loads between 501e and maximum capacity, when placed on the load receptor at equilibrium, should cause a permanent displacement of the index of at least 5 mm.

3. Level Sensitivity:

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

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9A/8

CHANGE No 1

The description of the

Mercury Weighing Instrument Model 600

given in Technical Schedule No 6/9A/8, issued on 27/2/80 is altered by replacing pages 1 and 2 of the Technical Schedule with the attached pages, and adding Figure 6/9A/8 - 3.

Alterations to the test (given in the replacement pages) are:

(1) Addition of a description of the index and balance indicating line fitted to the steelyard;

(2) correction of 2 mm to read 5 mm in the Sensitivity Test Procedure;

(3) addition of a Test Procedure for checking the sensitivity of the level indicator.

6/6/80

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

VARIOUS CERTIFICATES OF APPROVAL

The following changes are made to the approval documentation for the approvals listed overleaf

submitted by Mercury Weighing and Control Systems Pty Ltd
32 Dew Street
Thebarton SA 5031.

In the Certificates and Technical Schedules listed, the following changes should be made:

1) The submittor should be changed to read;

A & D Mercury Pty Ltd

(the address remains unchanged)

2) Any Mercury instrument or component of an instrument approved in the documentation, may now also be known as "AND Mercury" or similar.

Signed

J. Birch.

Executive Director

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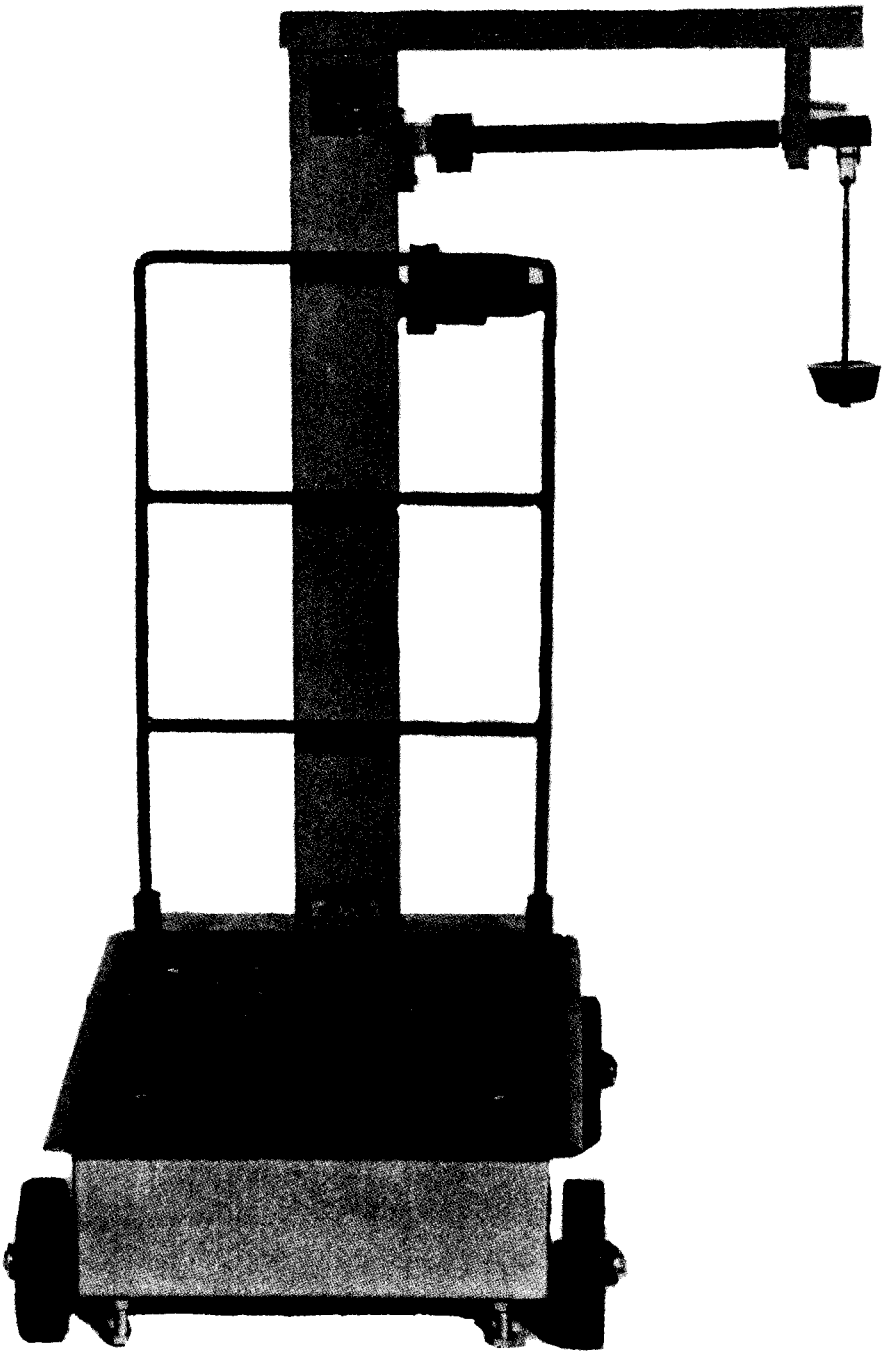
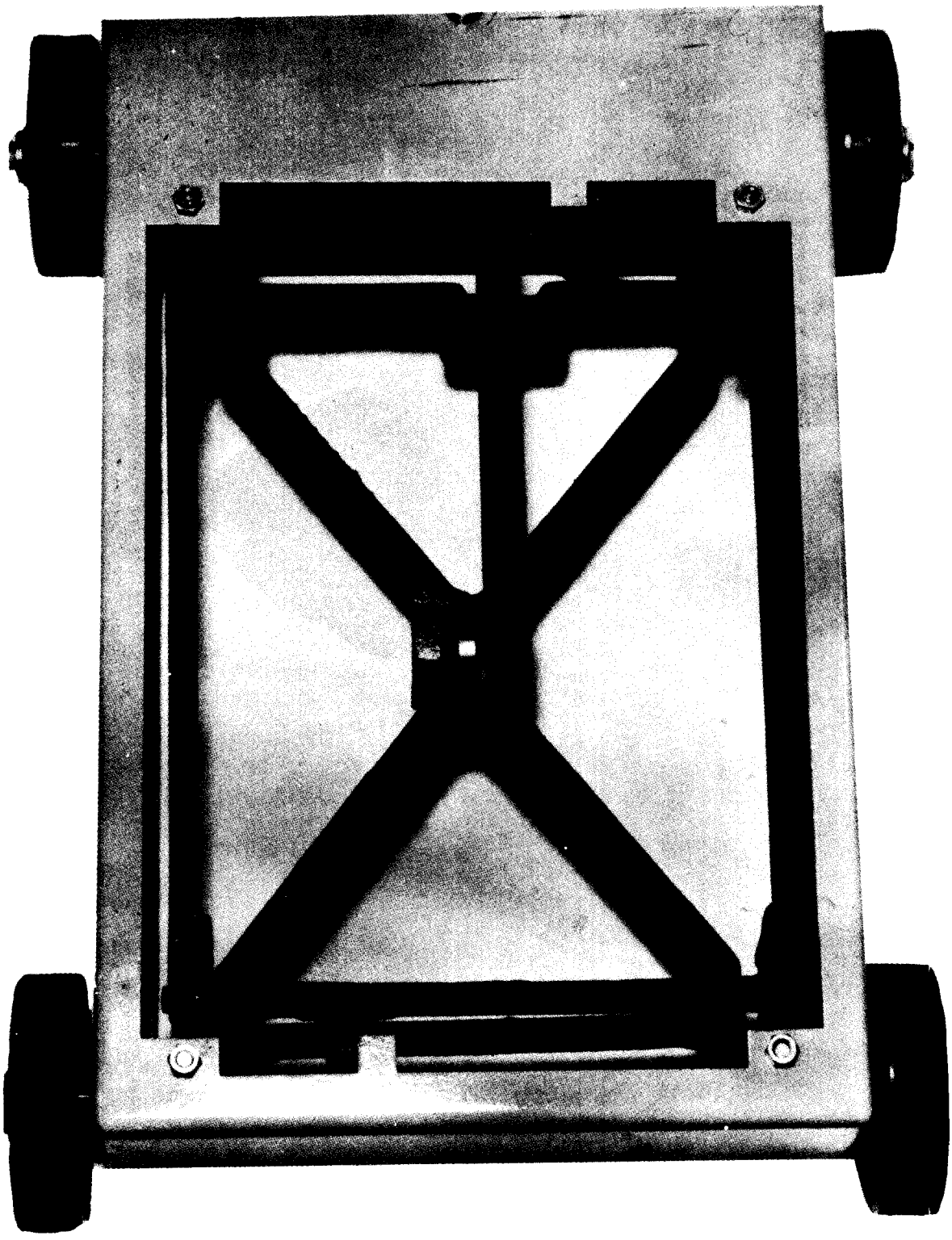
APPROVAL	PATTERN
TYPE: weighing instruments counter scales	
6/3/007	Model 92
6/3/008	Model 131
TYPE: counter machines semi-self-indicating	
6/4A/012	Model 304A
TYPE: counter machines freely-suspended < 30 kg (spring scales)	
6/5/011	Model 211 DA
TYPE: weighing instruments non-self-indicating	
6/9A/001	Models 692 and 682
6/9A/004	Model 522D
6/9A/007	Model 211
6/9A/008	Model 600
TYPE: weighing instruments self-indicating	
6/9C/005	Model 211D
6/9C/013	Up to 2500 lb or 1200 kg
6/9C/066	Model 522 AL
6/9C/067	Model SM100/479/522D
6/9C/081	Model SB-LP 1200
6/9C/088	Model 522D LT-10K
TYPE: weighbridges self-indicating	
6/10B/040	Model WB-LT
6/10B/045A	Model RVB-H20
TYPE: automatic weighing instruments (except belt conveyors)	
6/14B/012	Model HSD automatic hopper
TYPE: overhead weighing instrument (suspended load or receptor)	
6/18/005	With 211DA headwork
6/18/017	Model OHT 500
TYPE: digital indicators	
S114	Model 579
S128	Model 1300
S132	Model 900
S161	Model AD4316
S199	Model AD-4321
TYPE: load cells	
S117	Interface model SM25-12 kg
S163	Transducers model B5112.1K
S221	HBM model TRT-50 (Mercury model TRT3K-50)

FIGURE 6/9A/8 - 1



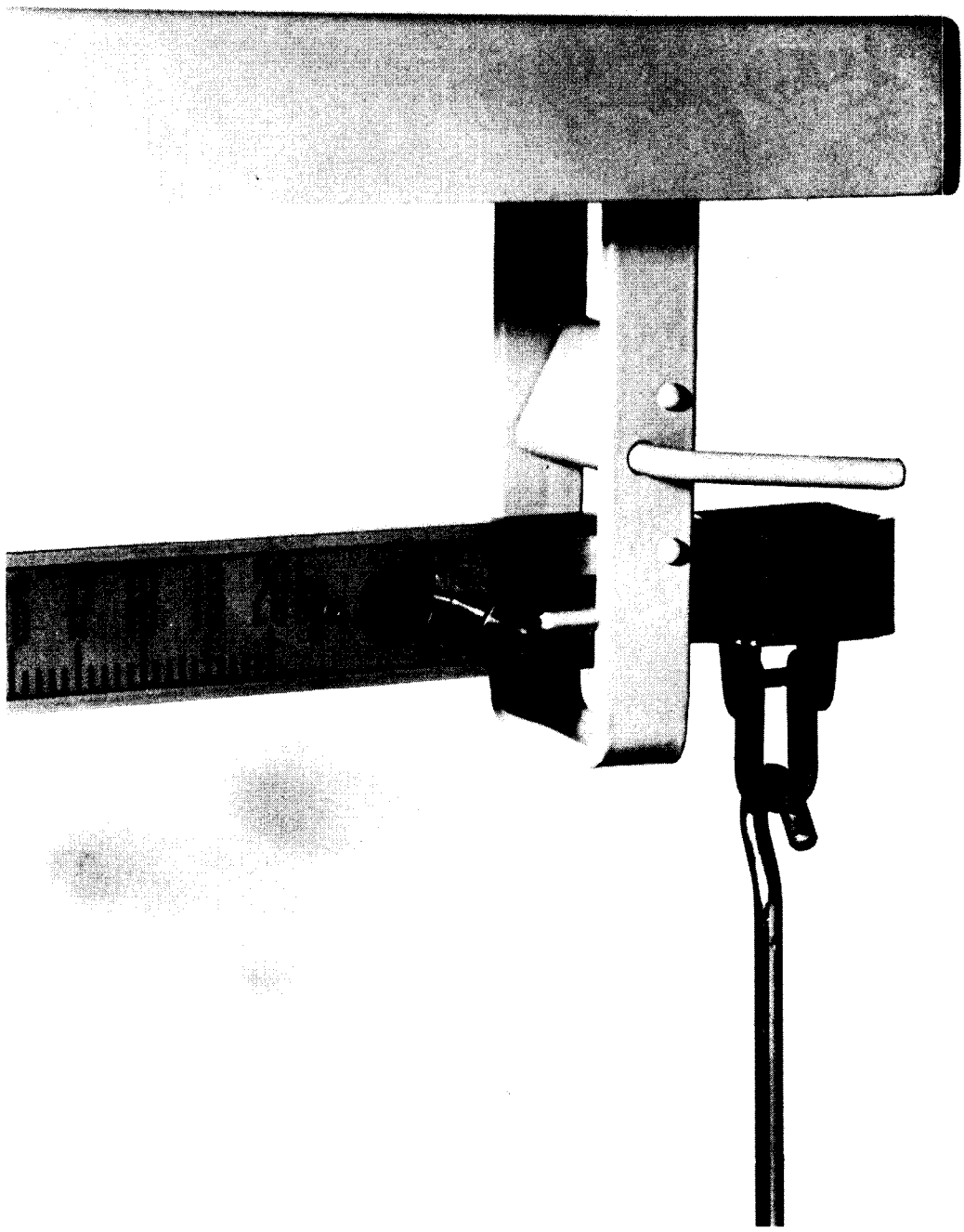
Mercury Model 600

27/2/80



Basework

FIGURE 6/9A/8 - 3



Model 600 Showing Balance Indicating Line and Index