



NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/9A/7

This is to certify that the pattern of the

Mercury Weighing Instrument Model 211

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/7 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/7".

Signed

Executive Director

27/2/80



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9A/7

Pattern: Mercury Weighing Instrument Model 211

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 151 kg maximum capacity with a steelyard of 2 kg capacity by 0,05 kg, and the following proportional weights:

2 equivalent to 50 kg
1 equivalent to 20 kg
2 equivalent to 10 kg
1 equivalent to 5 kg
2 equivalent to 2 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 3,5 mm in diameter.

The nameplate is marked with the following data:

Manufacturer's name

Serial number of instrument

NSC approval number in the form: NSC 6/9A/7

Accuracy class in the form: III

Maximum capacity in the form: Max 151 kg*

Minimum capacity in the form: Min 2,5 kg*

Verification scale interval in the form: $d = e = 0,05 \text{ kg}^*$

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

The instrument is also marked NOT FOR RETAIL COUNTER USE.

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.

Test Procedure:

1. Accuracy Requirements:

The maximum permissible errors are:

- $\pm 0,5e$ for loads between 0 and 500e;
- $\pm 1e$ for loads between 501e and 2000e; and
- $\pm 1,5e$ for loads greater than 2000e.

2. Sensitivity:

A mass of 0,5e for loads up to 500e, 1e for loads between 501e and 2000e, and 1,5e for loads between 2001e and maximum capacity, when placed on the load receptor at equilibrium should cause a permanent displacement of the index of at least 2 mm.



25/3/88

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

Executive Director

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)

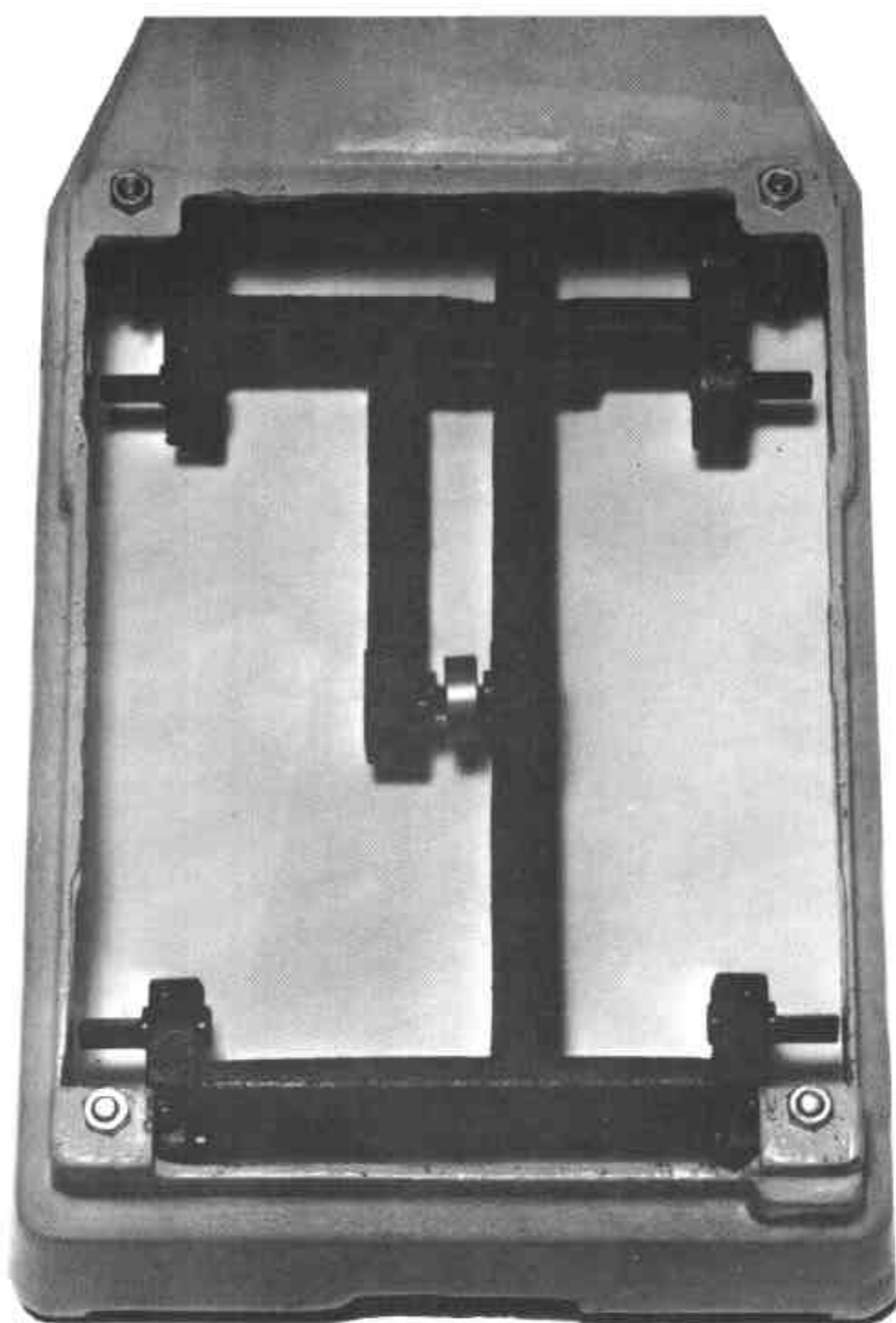
FIGURE 6/9A/7 - 1



Mercury Model 211

27/2/80

FIGURE 6/9A/7 - 2



Basework

27/2/80