



Weights and Measures

(National Standards)

Act 1960-1966

Weights and Measures

(Patterns of Instruments)

Regulations

COMMONWEALTH OF AUSTRALIA

NATIONAL STANDARDS COMMISSION

Certificate of Approval

CERTIFICATE NUMBER 6/4D/14

CANCELLED 0/1

This Certificate cancels Certificate No 6/4D/14 dated 29th October, 1969, *

In respect of the pattern of

Berkel Model SLO3 Self-indicating Price-computing Counter Machine and Variants,

Submitted and

manufactured by:

Toledo-Berkel Pty. Ltd.,
525 Graham Street,
Port Melbourne,
Victoria. 3207.

This is to certify that the pattern and variants of the instrument illustrated and described in this Certificate have been examined by the National Standards Commission under the provisions of the abovementioned Regulations and have been approved as being suitable for use for trade.

The pattern was approved on 19th May, 1967; variants 3, 6, 7 and 8 were approved on 28th March, 1968; variants 1, 2, 4 and 5 on 27th August, 1968, and variant 9 on 22nd March, 1971.

Approval was granted on condition that all instruments made in conformity with this Certificate:

1. are appropriately marked NSC No 6/4D/14; and

* NOTE: Figures 6/4D/14 - 1 to 10 of the previous issue form part of this Certificate and must be retained.

2. comply with the General Specifications for Weighing and Measuring Instruments to be Used for Trade.

This Certificate comprises:

Pages 1 to 4 dated 29th March, 1971.

Figures 6/4D/14 - 1 to 10 dated 29th October, 1969.

Date of issue 29th March, 1971.

Signed



A person authorised by the Commission
to sign Certificates under the
abovementioned Regulations.

29/3/71

DESCRIPTION OF PATTERN

The pattern (see Figure 1) is of a self-indicating price-computing counter machine of 5 lb capacity, the mechanism of which is shown diagrammatically in Figure 2.

The weighing mechanism (see Figure 3) consists of a counter-weighted unequal-armed first-order lever fitted with an oil dashpot, with a load receptor which is maintained in a horizontal attitude by a leg-and-stay assembly; a covered balance box is fitted to the leg. A helical spring is coupled between the long arm of the lever and the base of the instrument.

The indicating mechanism (see Figure 4) consists of a drum, a balance weight and an indicator, the tip of which is cranked so that it moves in a slot in the same plane as the chart and is visible from each side of the instrument. A steel ribbon is attached at one end to, and passes over one part of the circumference of the drum, and at its other end is attached through a stirrup to the long arm of the lever so that movement of the lever causes rotation of the drum. A second steel ribbon is attached at one end to, and passes over the other part of the circumference of the drum, and at its other end is attached through a helical spring to the base of the instrument. This spring, together with that coupled to the lever, comprise the load resistant of the instrument.

A double-sided weight chart is fitted (see Figure 5), of capacity 5 lb by $\frac{1}{2}$ oz graduations with a price-computing chart on the vendor's side, marked "A-158".

The indicator (see Figure 5) which is marked for price rates from $\frac{1}{2}$ to 80 cents per pound is marked "A-159".

On the price-computing chart and indicator the price rows are coloured alternately blue and white.

The instrument is supported on four adjustable feet and is fitted with a circular spirit level.

DESCRIPTION OF VARIANTS

1. Of 4 lb capacity, fitted with a double-sided weight chart of capacity 4 lb by $\frac{1}{2}$ oz graduations, with a price-computing chart on the vendor's side marked "A 156B", together with an indicator with price rates from 1 to 115 cents per pound marked "A 157B" (see Figure 6).

2. Of 3 lb capacity, fitted with a double-sided weight chart of capacity 3 lb by $\frac{1}{2}$ oz graduations, with a price-computing chart on the vendor's side marked "A 154B", together with an indicator with price rates from 1 to 150 cents per pound marked "A 155B" (see Figure 7).
3. Of 3 lb, 4 lb, 5 lb, 1 kg, 1.5 kg or 2 kg capacity, without price-computing charts and with plain indicators.
4. With base and headwork enclosures of smaller dimensions than the pattern and known as Model SLO2, of 2 lb capacity, fitted with a double-sided weight chart of 2 lb by $\frac{1}{4}$ oz graduations, with a price-computing chart on the vendor's side marked "A 150B", together with an indicator with price rates from 1 to 80 cents per pound marked "A 151B" (see Figure 8).
5. Variant 4 with a price-computing chart marked "A 152B", together with an indicator with price rates from 1 to 120 cents per pound marked "A 153B" (see Figure 9).
6. Variant 4, of 1 lb, 2 lb, 0.5 kg or 1 kg capacity, without price-computing charts and with plain indicators.
7. Variants 3 and 6, having weight charts graduated both in units related to the pound and in metric units, when the instruments are marked "not for retail counter use".
8. With base and headwork enclosures of smaller dimensions than variant 4, having an aperture below the chart to provide the prescribed visibility of the load receptor and known as Model SLO1 (see Figure 10), of 1 lb or 0.5 kg capacity, without price-computing charts and with plain indicators.
9. The pattern and variants 1 to 8 without a spirit level.

GENERAL NOTES

Variant 9 allows the instruments as described in the pattern and variants 1 to 8 to be verified without a spirit level. The spirit level, although fitted to the pattern and included in the description of the pattern, is not required as the instrument is not sensitive to changes in level.

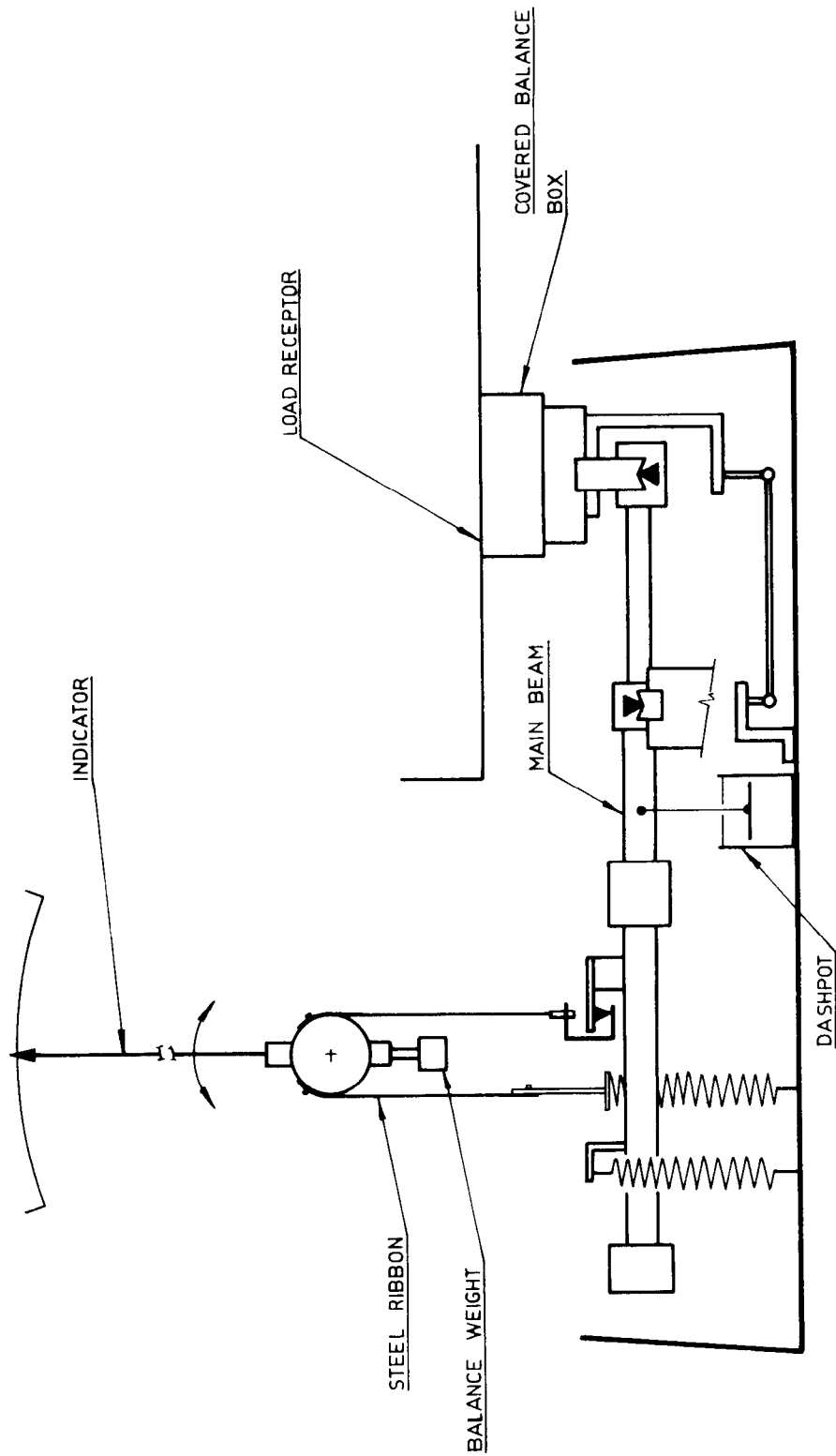
FIGURE 6/4D/14 - 1



Berkel Model SLO3

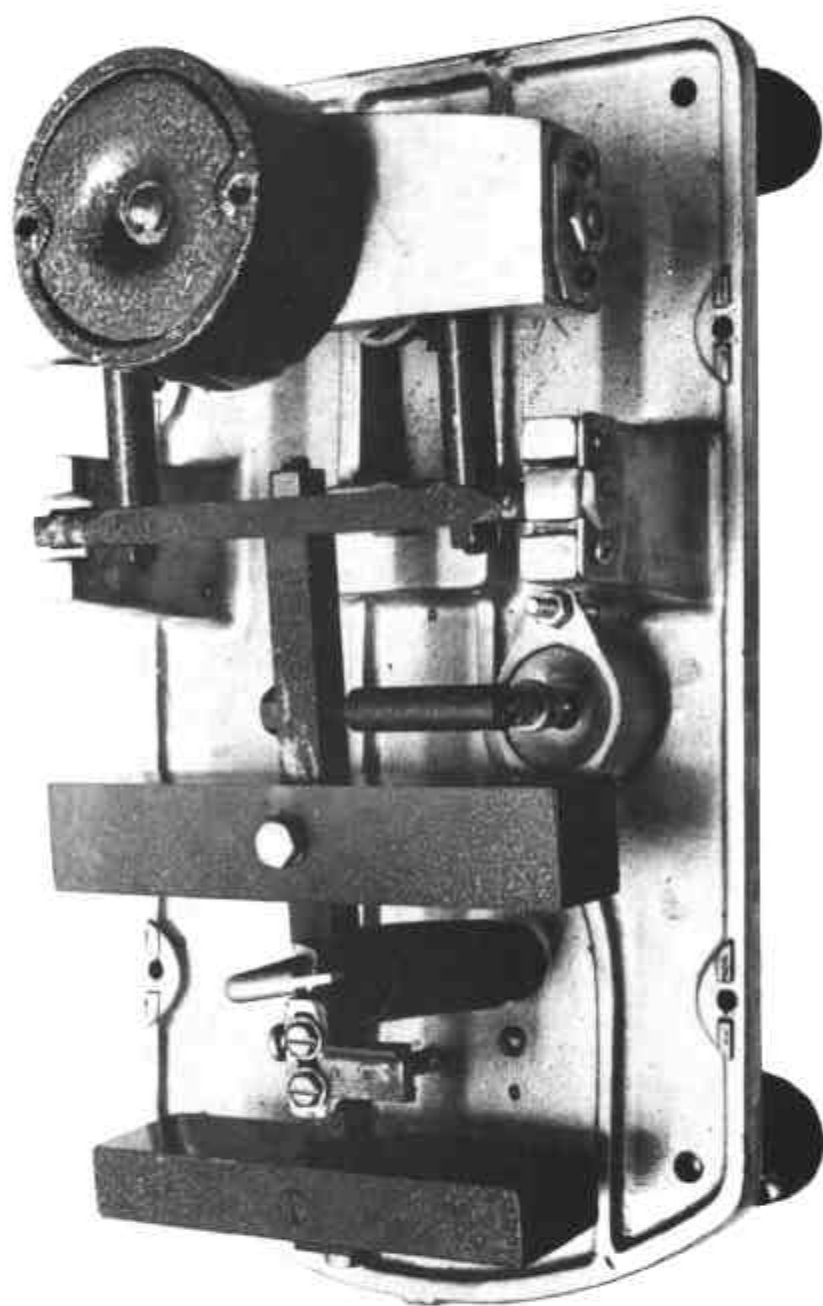
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FIGURE 6/4D/14 - 2



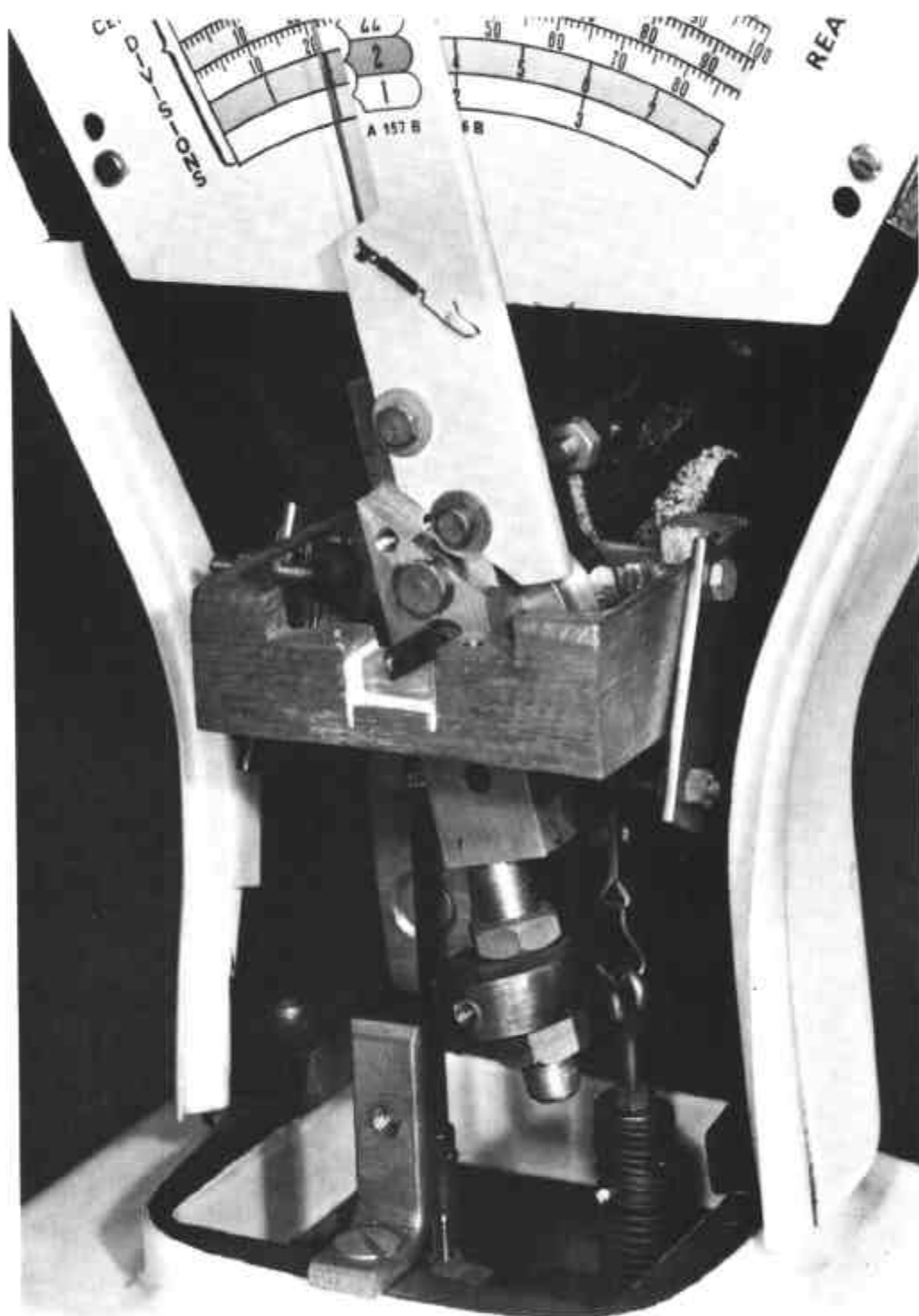
Lever and Indicating Mechanism

FIGURE 6/4D/14 - 3



Weighing Mechanism

FIGURE 6/4D/14 - 4



Indicating Mechanism

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FIGURE 6/4D/14 - 5

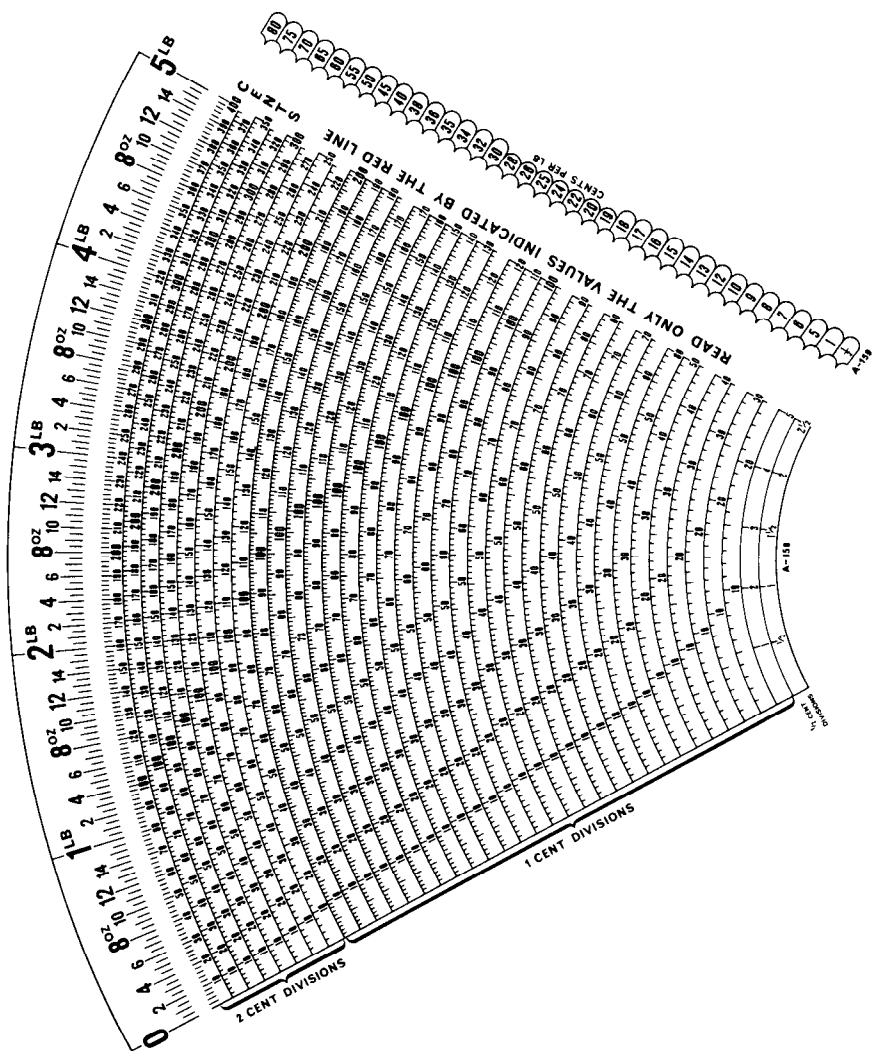


Chart A-158 and Indicator A-159

FIGURE 6/4D/14 - 6

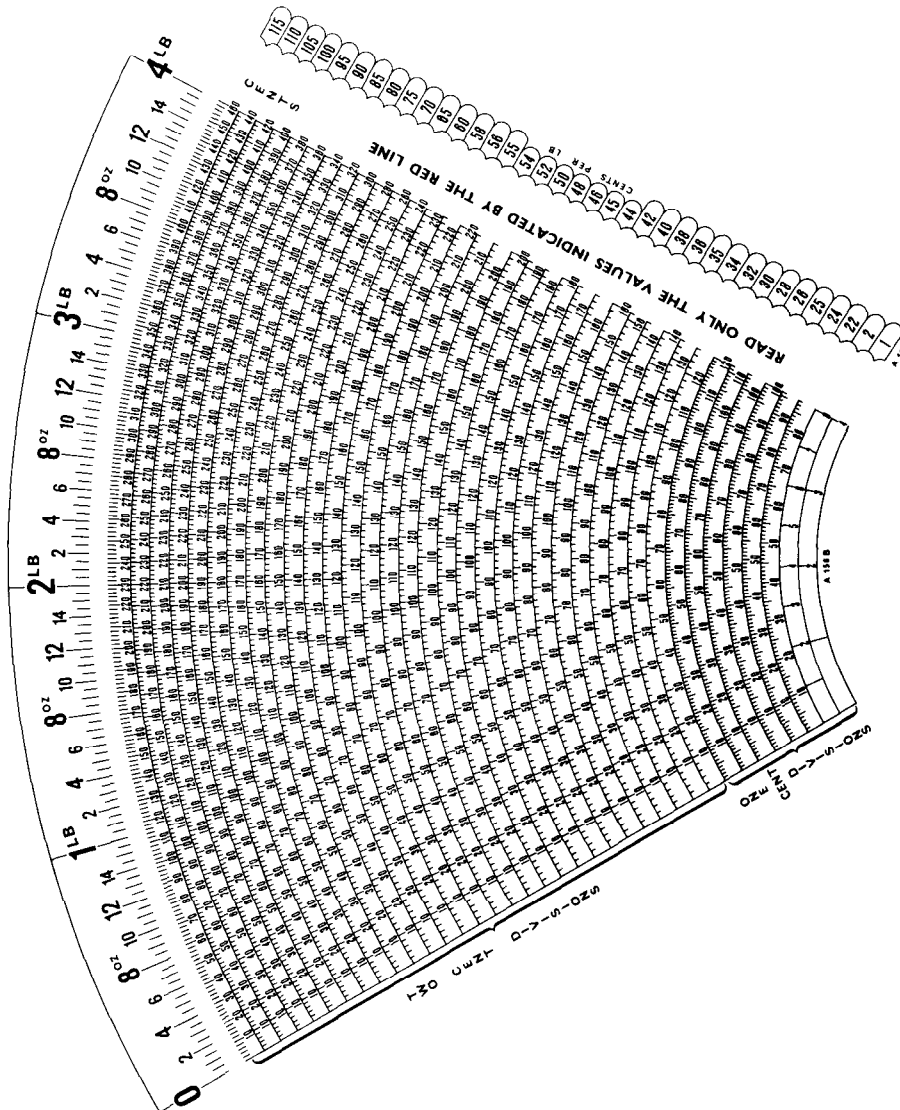


FIGURE 6/4D/14 - 7

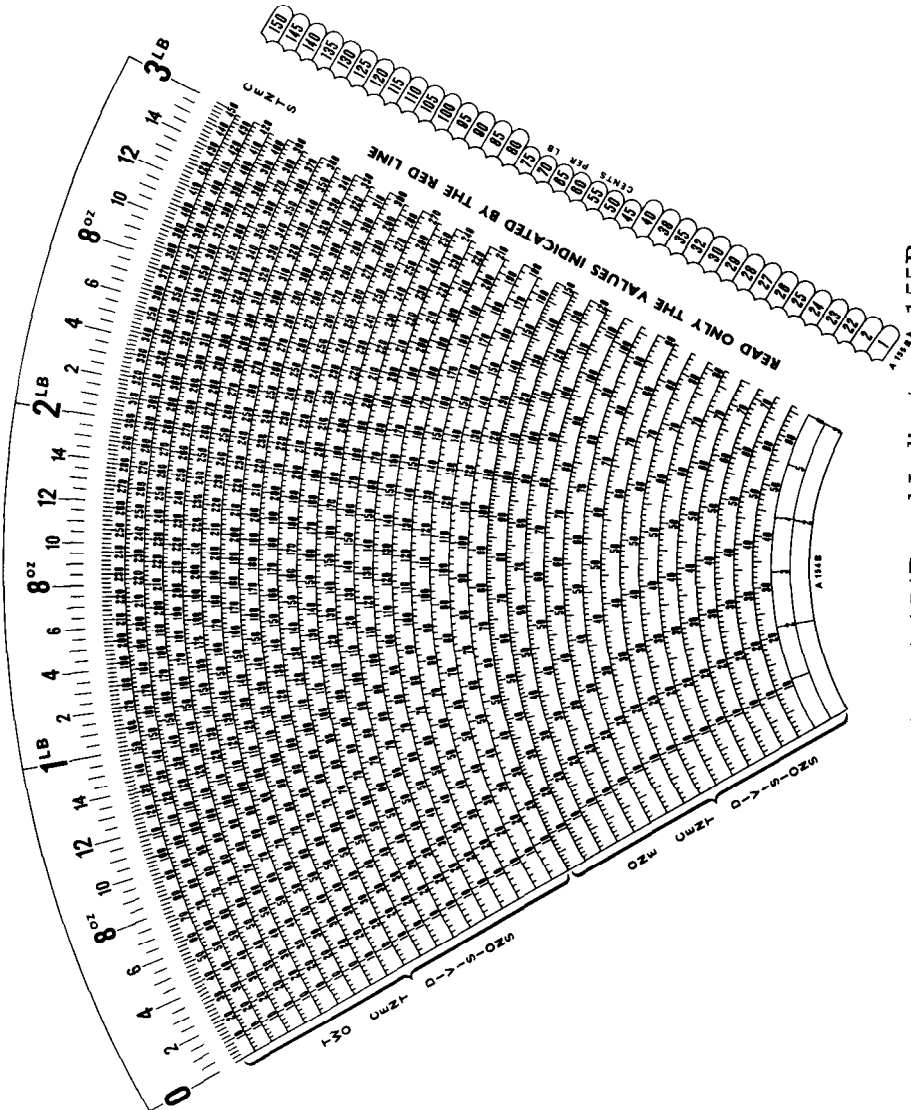


Chart A 154B and Indicator A 155B

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FIGURE 6/4D/14 - 8

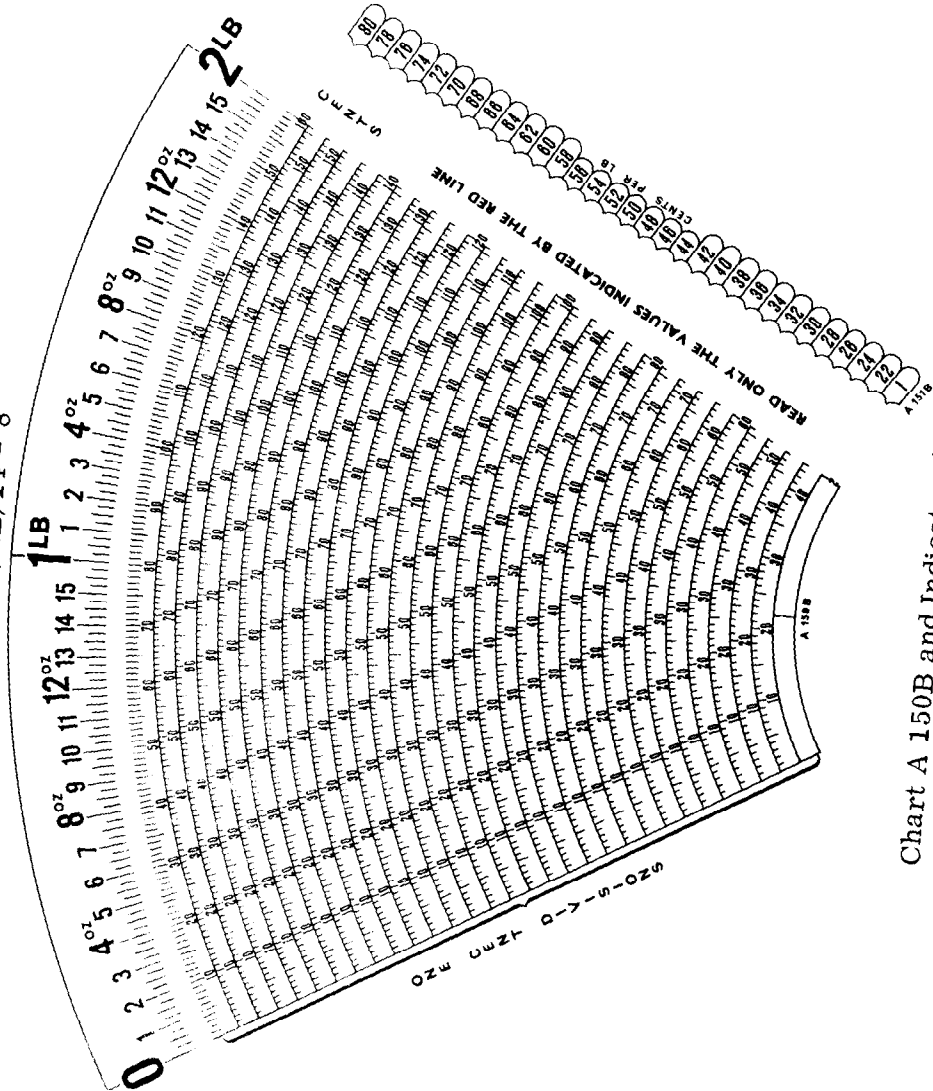


Chart A 150B and Indicator A 151B

FIGURE 6/4D/14 - 9

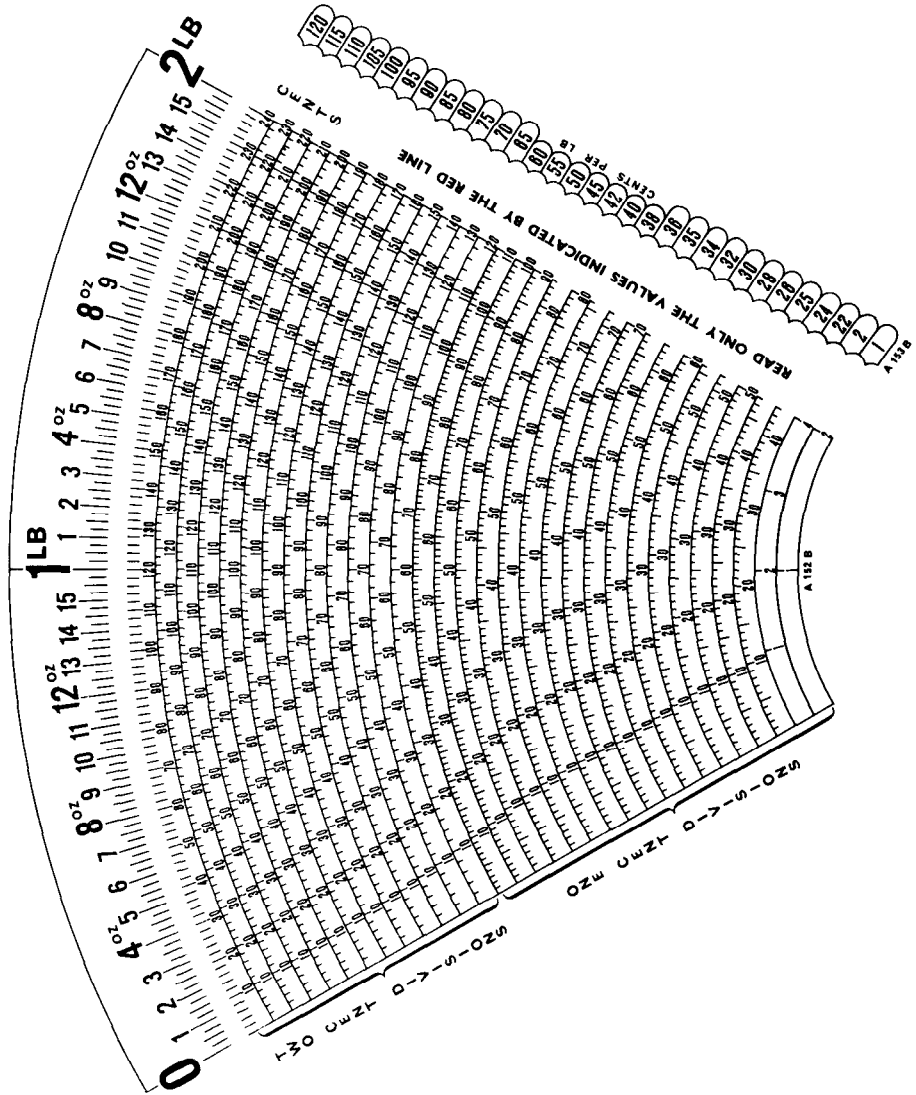


Chart A 152B and Indicator A 153B

FIGURE 6/4D/14 - 10



Berkel Model SLO1

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