

CERTIFICATE OF APPROVAL No 6/9C/25

This is to certify that the pattern and variants of the

Busch 6011 Weighing Instrument

submitted by Ultra Scales Pty Ltd,
33 Judge Street,
Sunshine, Victoria, 3020,

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


Date of Approval: 4 July 1974.

The pattern and variants are described in Technical Schedule No 6/9C/25, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 July 1979.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/9C/25".

Signed


ACTING
Executive Officer

Indexed

4/7/74



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/25

Pattern: Busch 6011 Weighing Instrument

Submittor: Ultra Scales Pty Ltd,
33 Judge Street,
Sunshine, Victoria, 3020.

Date of Approval: 4 July 1974

All instruments conforming to this approval shall be marked "NSC No 6/9C/25".

Description:

The pattern (see Figure 1) is of a platform weighing instrument of capacity 75 kg with a tare capacity of 15 kg by 50-g graduations and an optically projected weight chart of 60-kg capacity by 50-g graduations.

The headwork comprises:

1. Headwork cabinet (see Figures 1 and 2) fitted with a level indicator.
2. Double pendulum-resistant mechanism (see Figures 3 and 4) with a tape drive connecting to the pullrod from the main headwork lever. One pendulum carries a transparent graticule marked with 3000 graduations which are projected on to a ground-glass screen (see Figure 5). A pointer on the other pendulum passes over an undenominated scale.
3. Main headwork lever (see Figures 6 and 7) with a balance weight on one end and a zero adjustment device on the other end. The zero adjustment comprises a string threaded through several small balls connected between the end of the lever and a take-up spool on the cabinet. A dashpot is connected to the lever.
4. Taring device (see Figures 6 and 7) connected to the main headwork lever. The poise is moved along the length of the main lever on a threaded shaft which is rotated through a series of universal joints

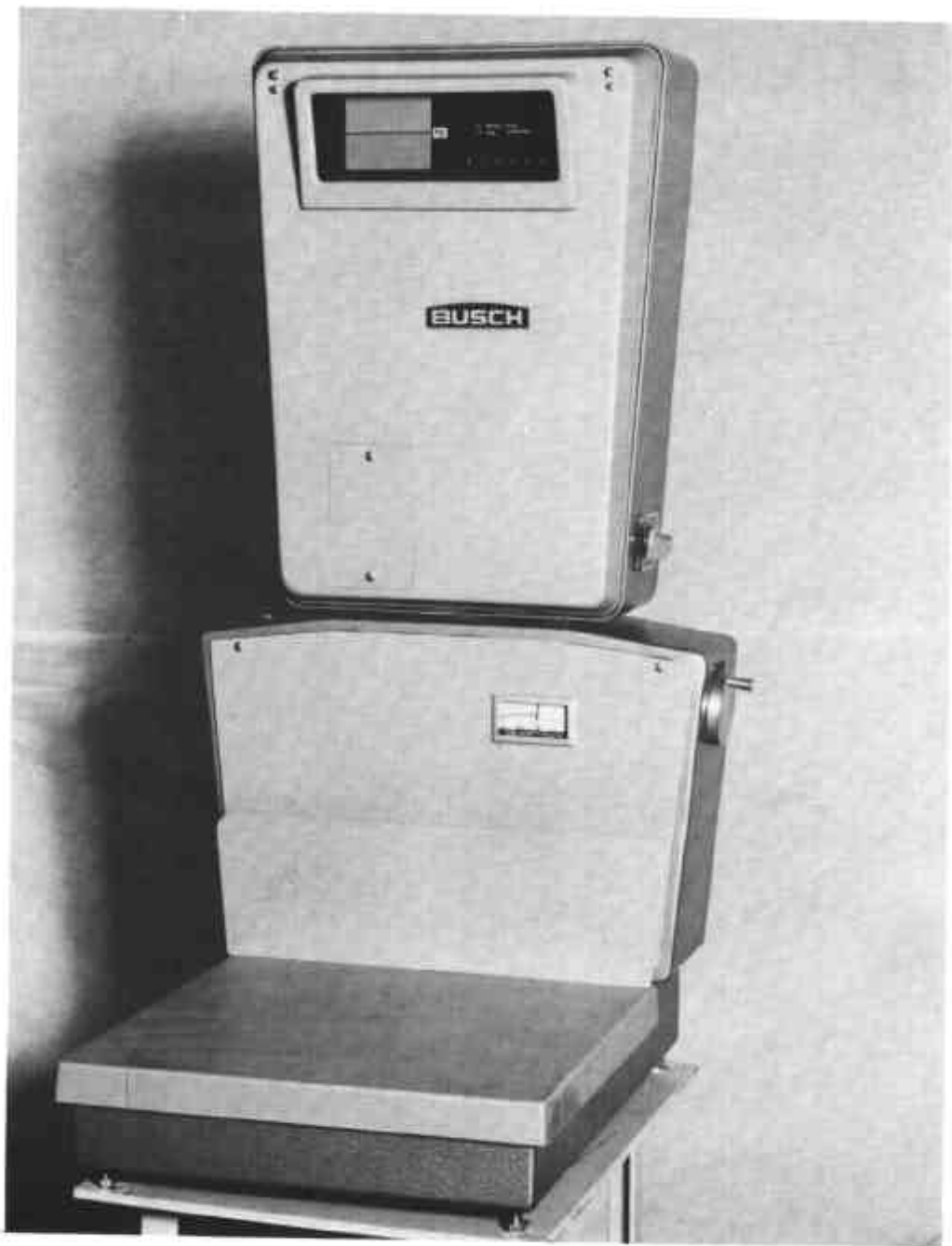
by a handle mounted on the side of the cabinet. The poise drives a graduated dial through a tape drive (see Figure 8). The tare dial is on the same side of the headwork as the optical-projection weight chart, and has a maximum of 400 graduations.

The basework (see Figures 6 and 9) is a two-lever system, the short lever connects to the long lever, which in turn connects to the main headwork lever by a pullrod. The capacity of the basework is 75 kg. The basework frame is fitted with four adjustable levelling feet.

The approval includes:

1. The basework in other capacities up to 75 kg.
2. The headwork with up to 3000 graduations on the graticule.
3. The headwork without the taring device, in which case the optical-projection weight chart may be on both sides of the headwork.

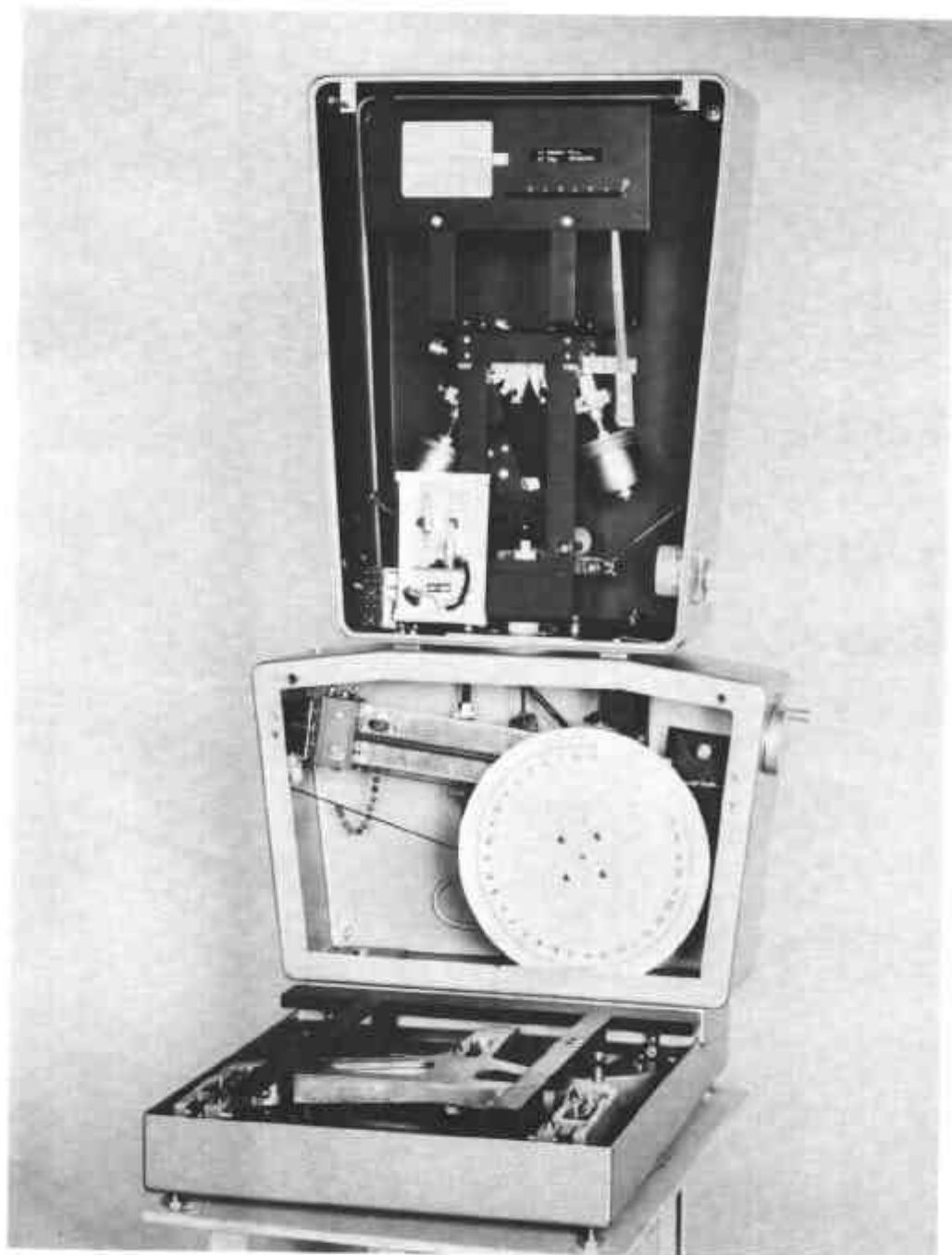
FIGURE 6/9C/25 - 1



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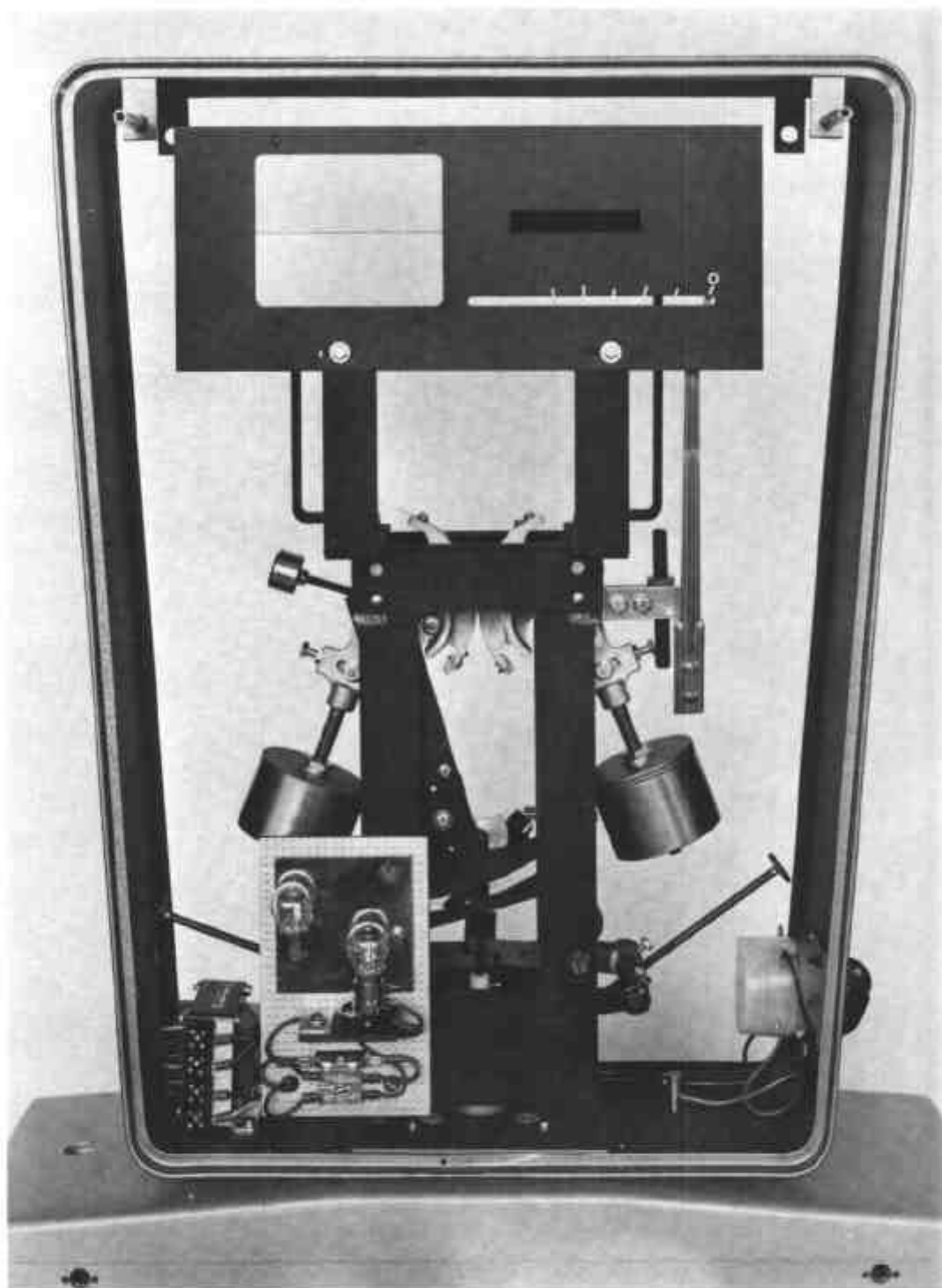
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FIGURE 6/9C/25 - 2



Busch 6011

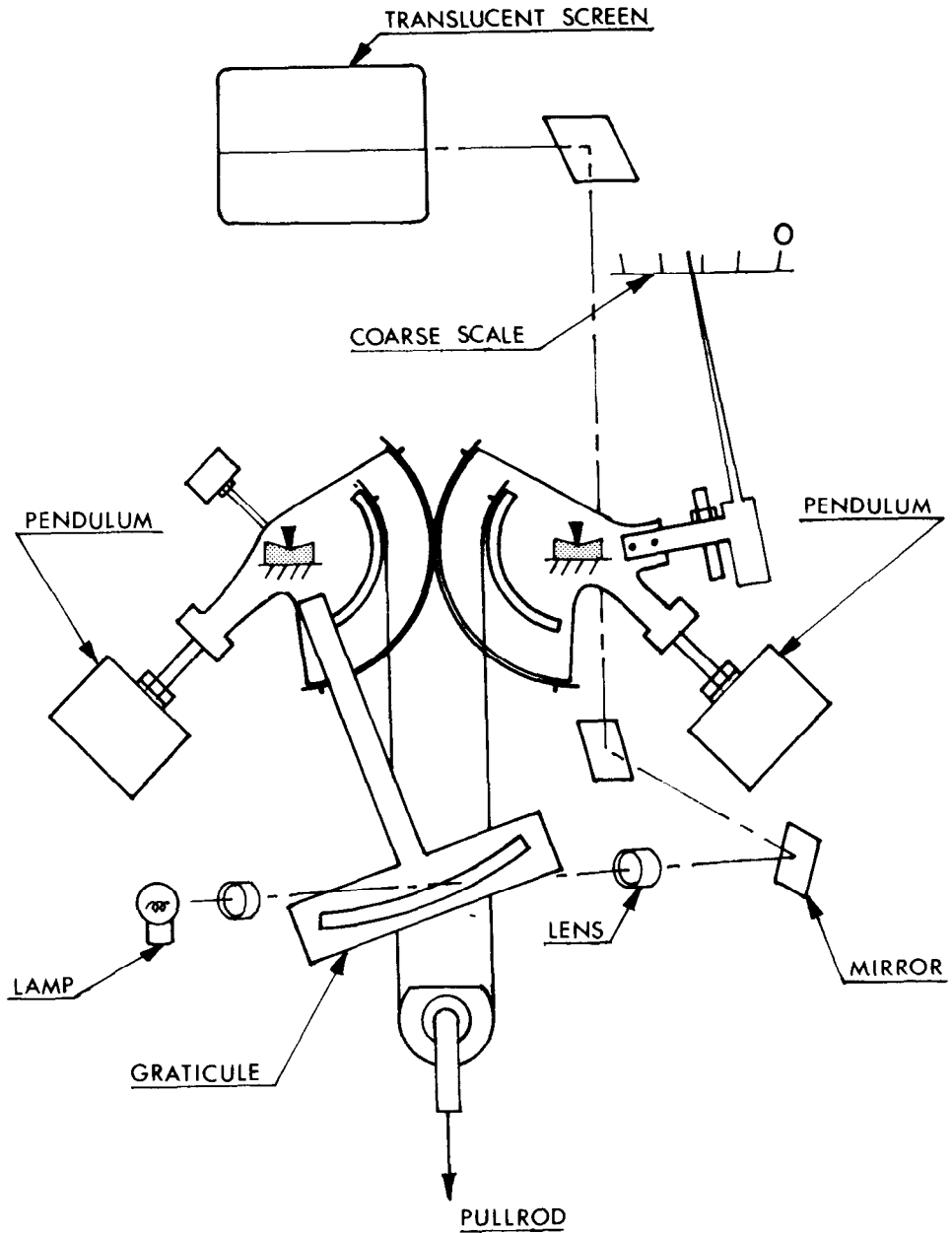
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Resistant Mechanism and Optical-projection System

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FIGURE 6/9C/25 - 4



Resistant Mechanism and Optical-projection System —
Schematic Diagram

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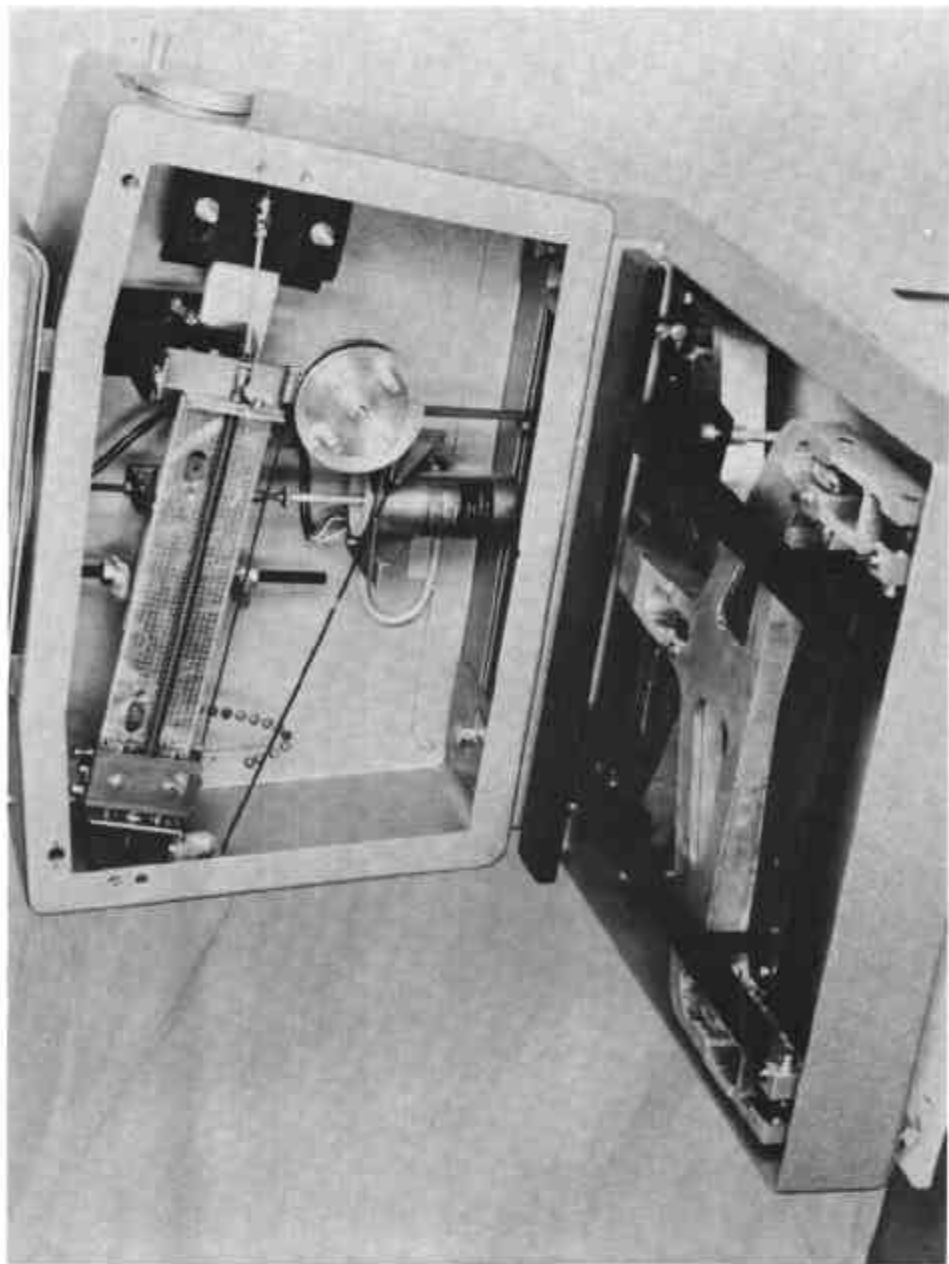
FIGURE 6/9C/25 - 5



Optical-projection Weight Screen

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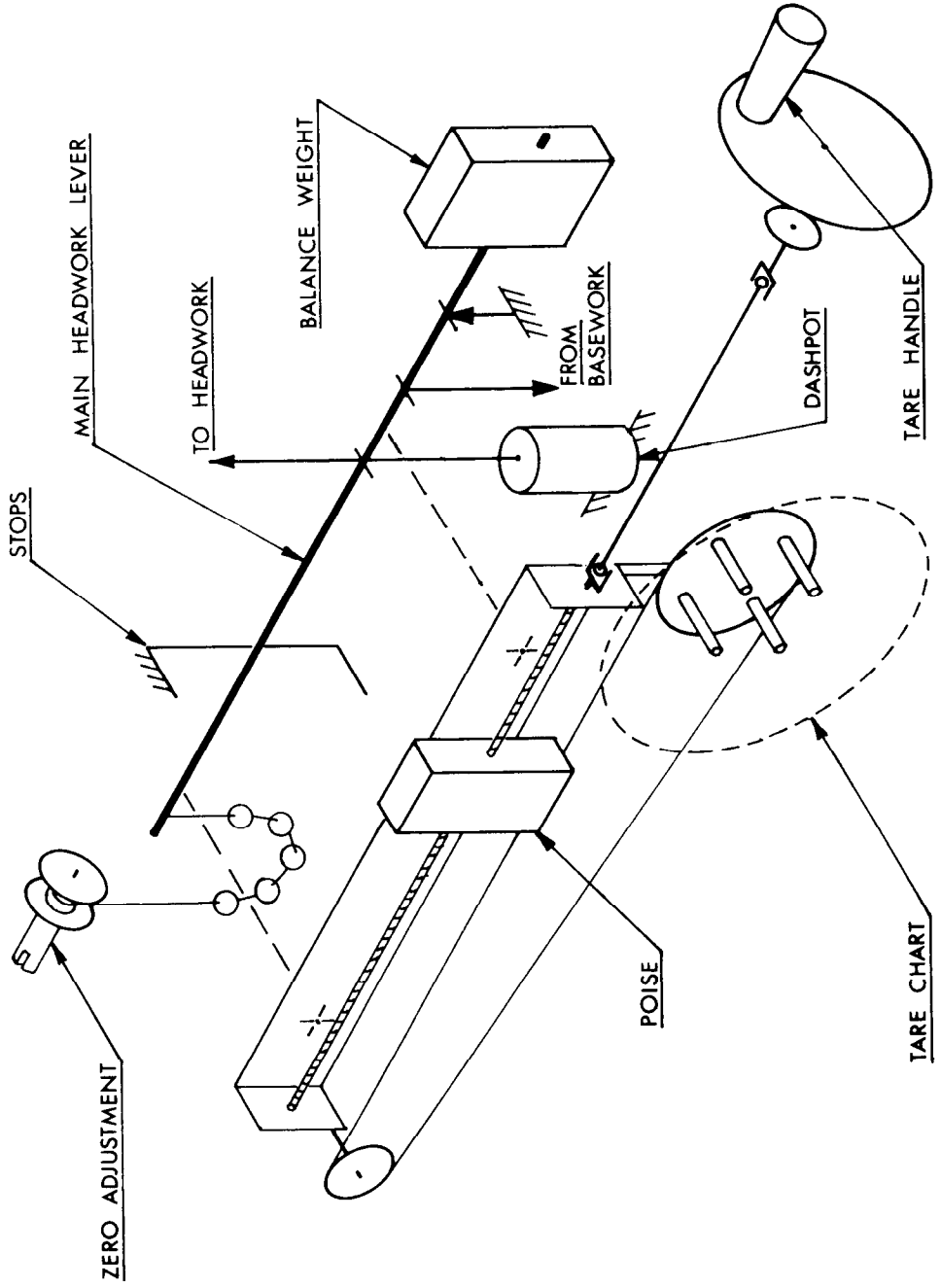
FIGURE 6/9C/25 - 6



Taring Mechanism and Main Headwork Lever

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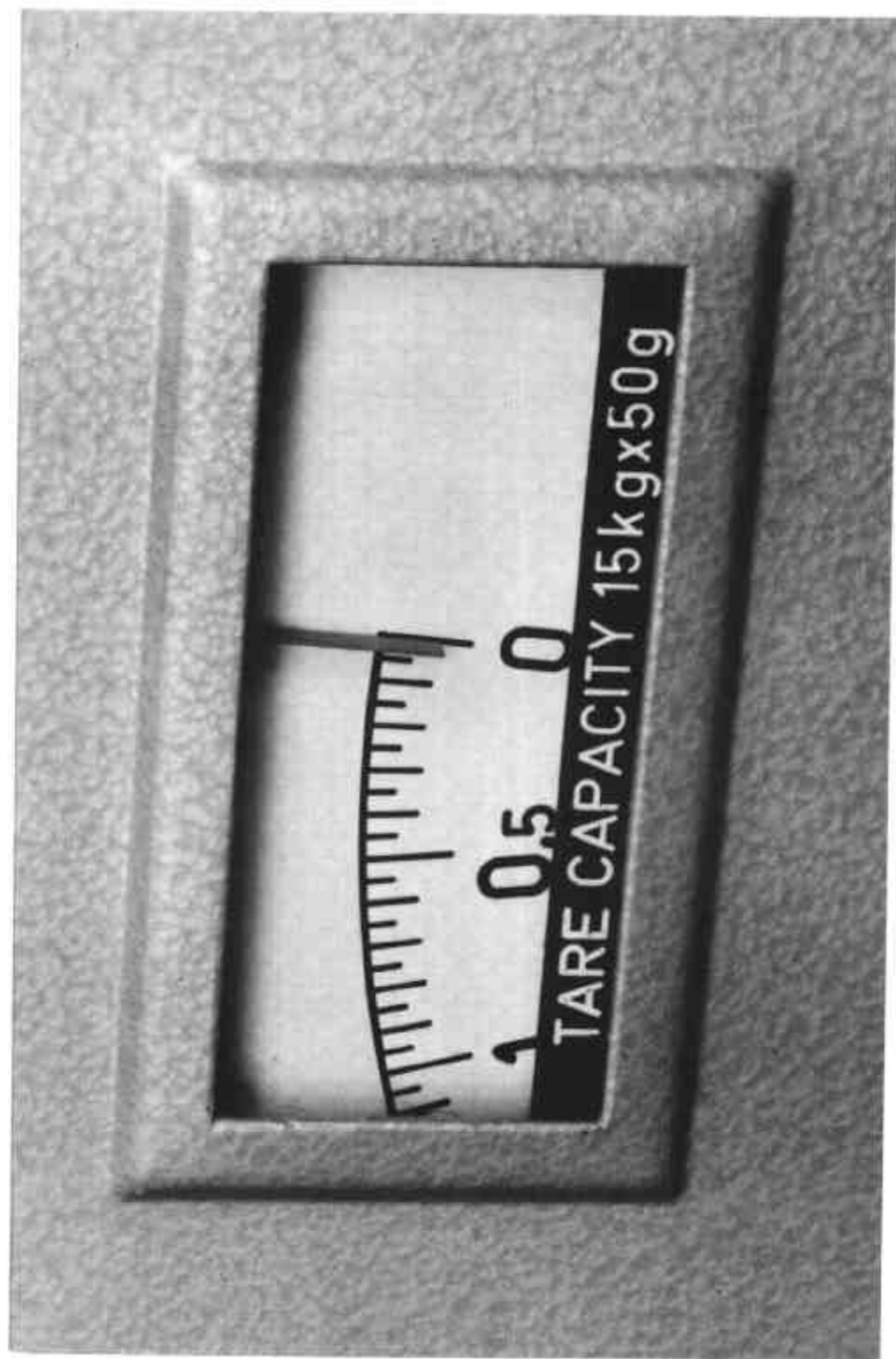
FIGURE 6/9C/25 - 7



Taring Mechanism and Main Headwork Lever — Schematic Diagram

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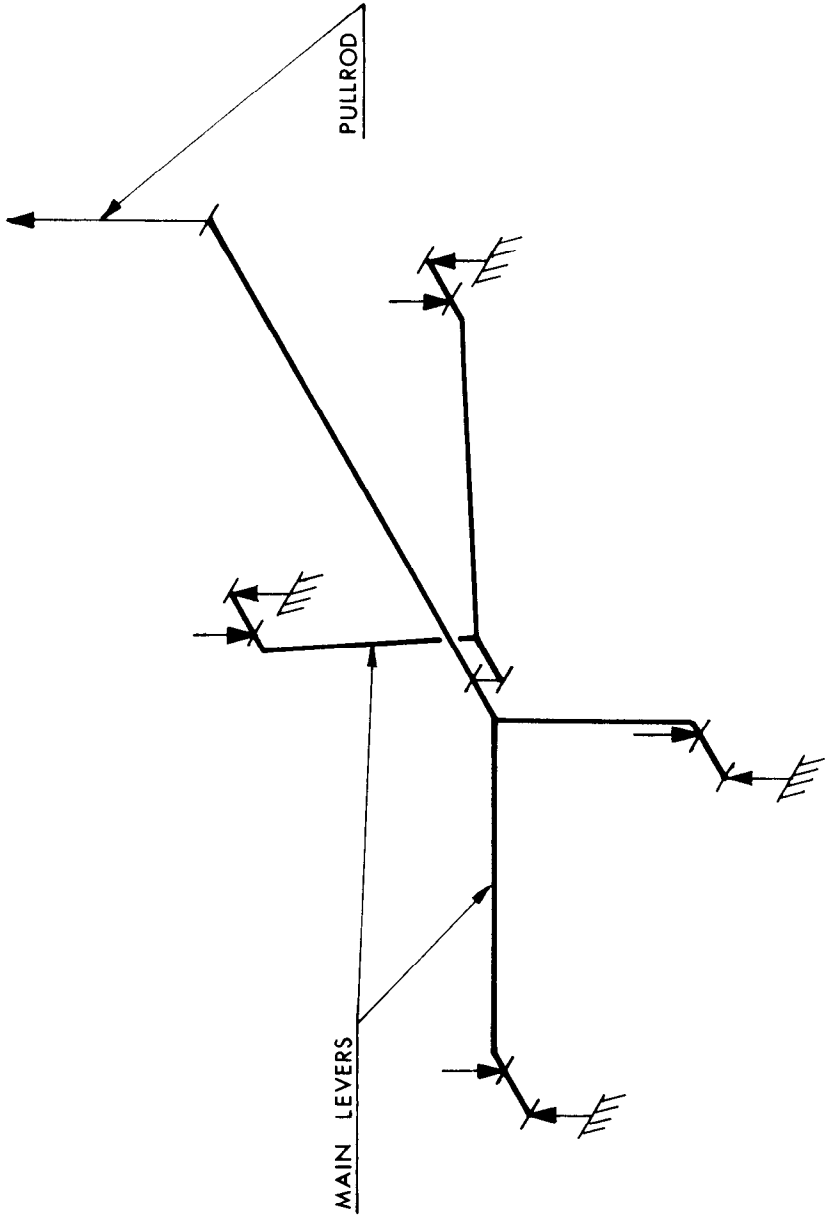
FIGURE 6/9C/25 - 8



Tare Dial

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FIGURE 6/9C/25 - 9



Two-level Basework

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