



# CANCELLED

Certificate 2

## NATIONAL STANDARDS COMMISSION

### CERTIFICATE OF APPROVAL NO 6/9C/71

This is to certify that the pattern of the

Toledo Weighing Instrument Model 5801

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

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


Date of Approval: 11 January 1980

The pattern is described in Technical Schedule No 6/9C/71, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 31 August 1984.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/9C/71".

Signed

  
Executive Director

31/1/80



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE NO 6/9C/71

Pattern: Toledo Weighing Instrument Model 5801

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

### Description of Pattern:

The pattern is a Class 4 self-indicating platform scale of maximum capacity 125 kg by 0,5 kg scale intervals (Figure 1). It comprises a mechanical 2-lever basework (Figure 2) connected through an intermediate lever, dashpot and yoke to a double pendulum resistant mechanism.

Two steel ribbons are attached to the yoke and to the load bearing sectors of the pendulums. Each pendulum is suspended from the frame of the instrument by a further pair of steel ribbons attached to the fulcrum sectors of the resistant mechanism.

The resulting floating fulcrums are inter-connected through a compensating bar and shock-absorbing spring to a rack which engages a pinion which is an extension of the shaft of the revolving cylindrical indicator (Figure 3).

The dial face is formed by a graduated strip on the circumference of the indicator (Figure 4). The thickness of the scale marks on this strip may be 0,4 times the width of the scale intervals.

The back cover of the instrument is sealed internally. The front cover is sealed with a lead stamping plug over a retaining screw.

The instrument is marked on the reading face with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/9C/71
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 = .....

The instrument is also marked "for freight only".

31/1/80

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Variant

1. The basework with 3 levers and known as Model 5802 (Figure 5).

Test Procedures:

Accuracy Requirements:

The maximum permissible errors are:

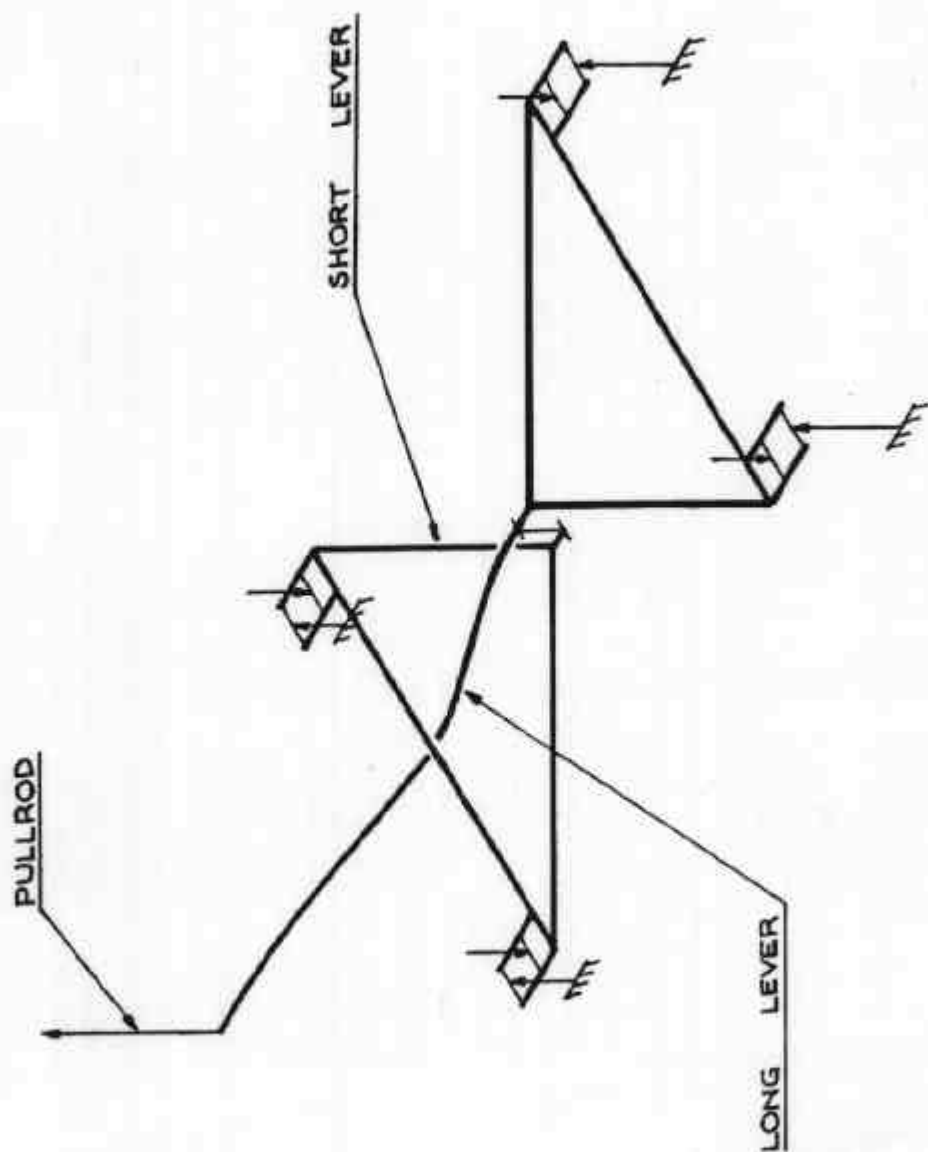
- $\pm 0,5e$  for loads between 0 and 50e
- $\pm 1e$  for loads between 51 and 200e; and
- $\pm 1,5e$  for loads greater than 200e.

Figure 6/9C/71 - 1



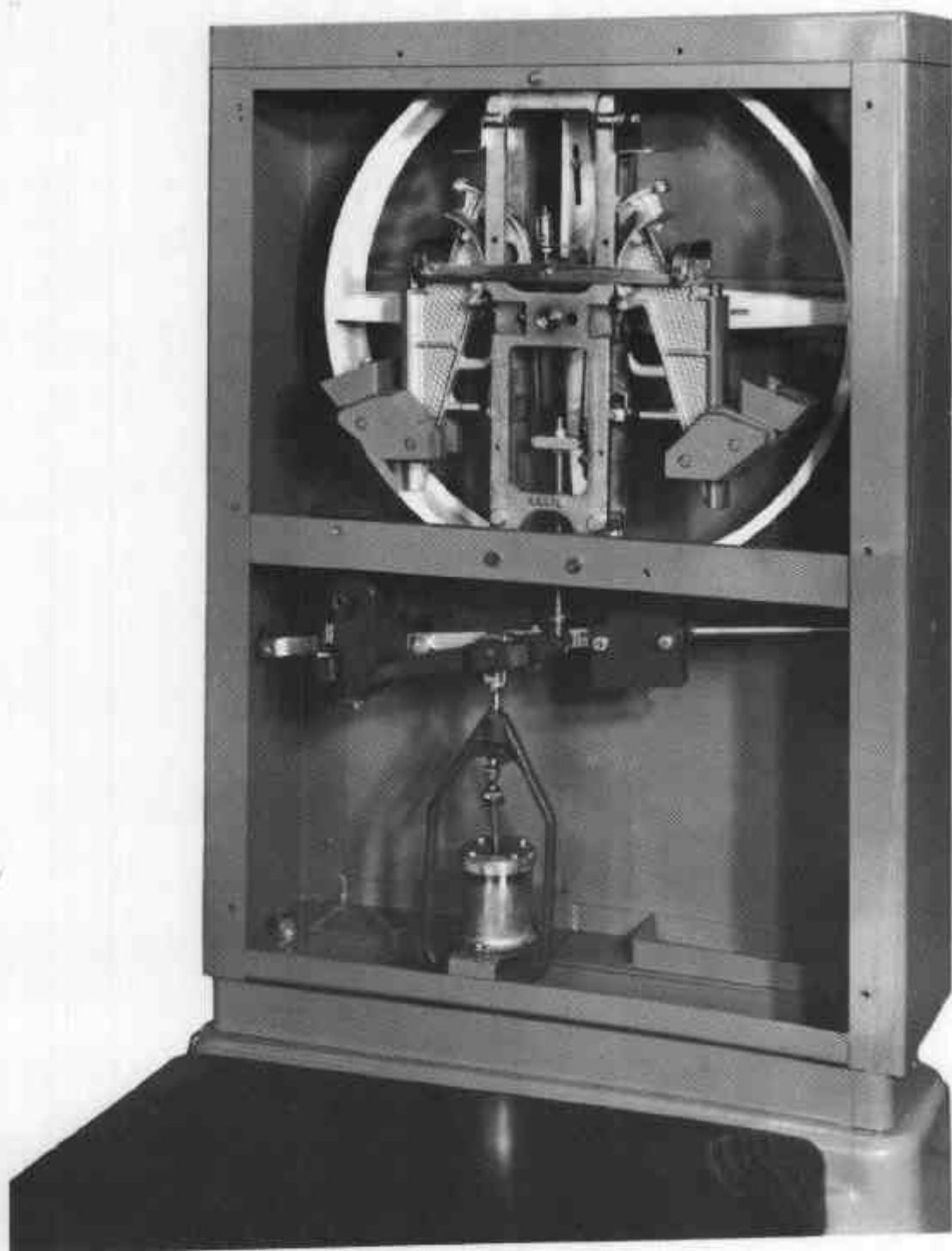
Toledo Model 5801

Figure 6/9C/71 - 2



Schematic Diagram - 2-Lever Basework

Figure 6/9C/71 - 3



Toledo Model 5801 - With Front Cover Removed

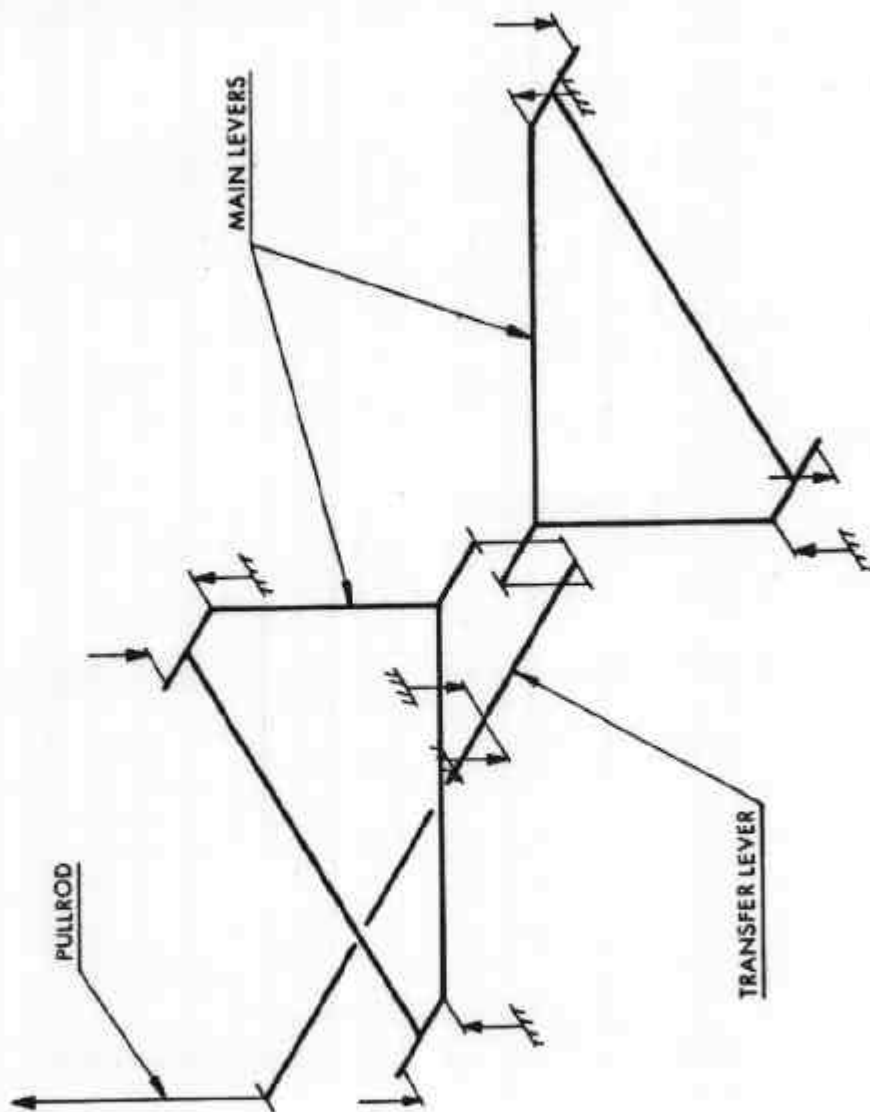
31/1/80

Figure 6/9C/71 - 4



Toledo Model 5801 - Reading Face

Figure 6/9C/71 - 5



Schematic Diagram - 3-Lever Basework