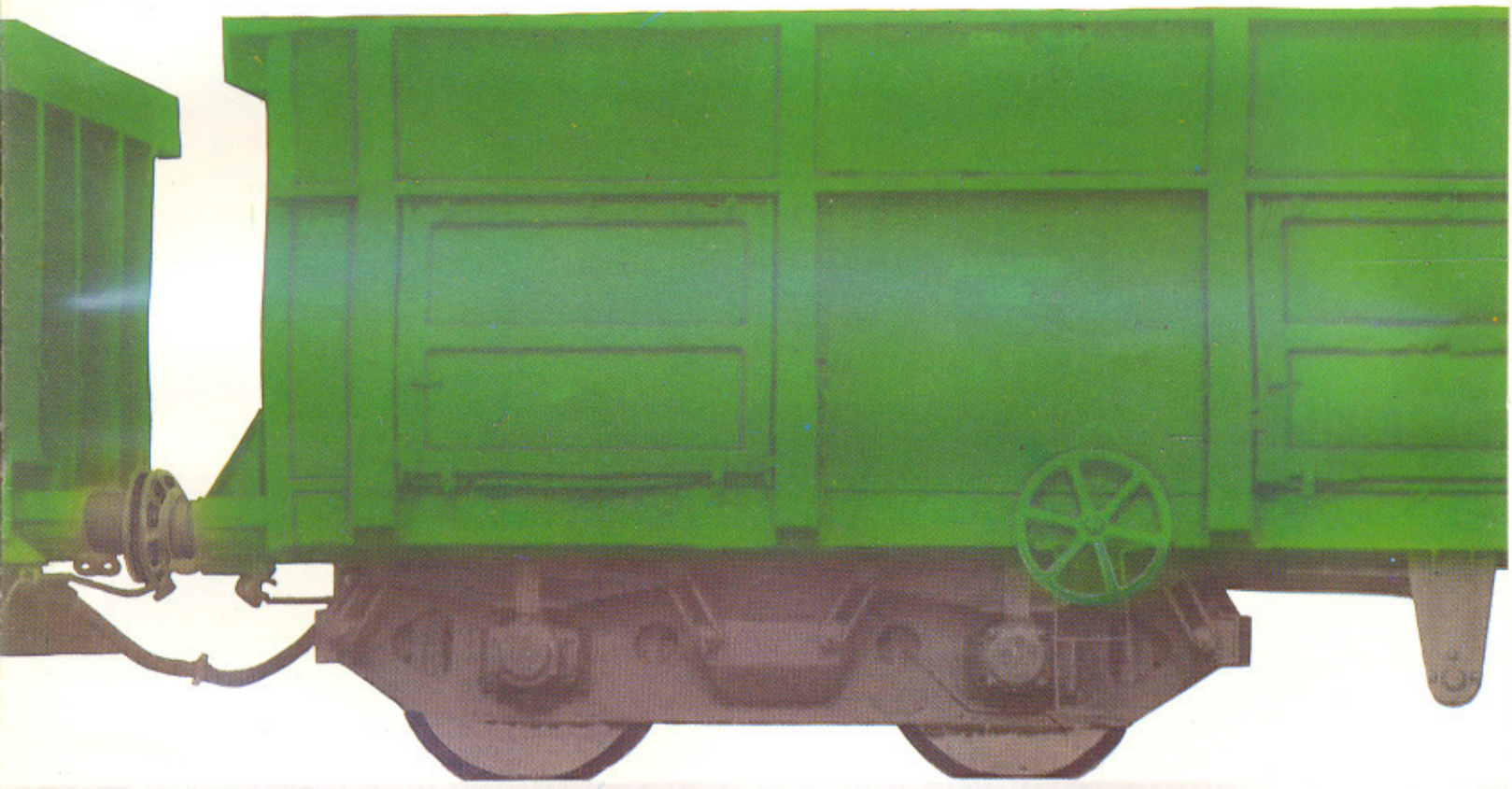




AVERY

LEADING THE WEIGH IN TECHNOLOGY

*WEIGHING
IN MOTION*



AVERY 52S Weighing

Coupled in Motion Weighing of Rail Wagons

AVERY INDIA offers coupled in-motion weighing system to weigh rail wagons to close accuracies while travelling at relatively high speeds.

The system is designed to weigh axles/bogies and record wagon weights as they traverse the weighbridge at a steady speed.

System uses microprocessor based instrumentation. The Logic functions are controlled by a micro computer.

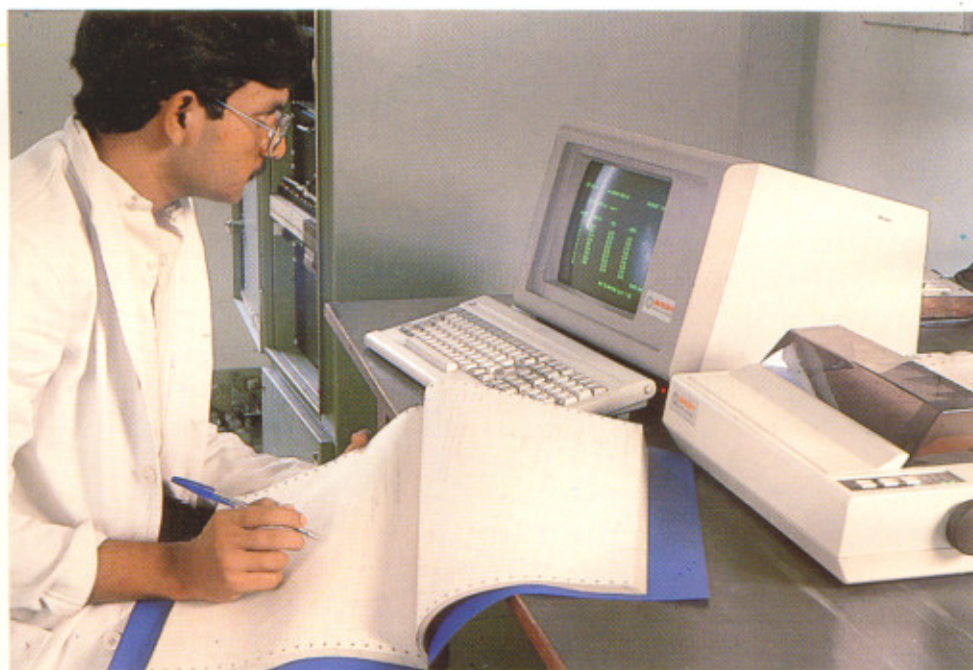
The weighing system offers the following advantages:—

- Reduction in time, manpower & costs.
- Elimination of operator errors.
- Increased throughput.
- Higher track utilization.
- Automatic detection of overloaded/underloaded wagons to ensure safety.
- Elimination of manual handling of rolling stock.
- Increased rolling stock availability.
- Hard copy print-out of weight information and above all.

Accurate weighing under rough operating conditions in power stations, steel mills, collieries etc.



Load Cell

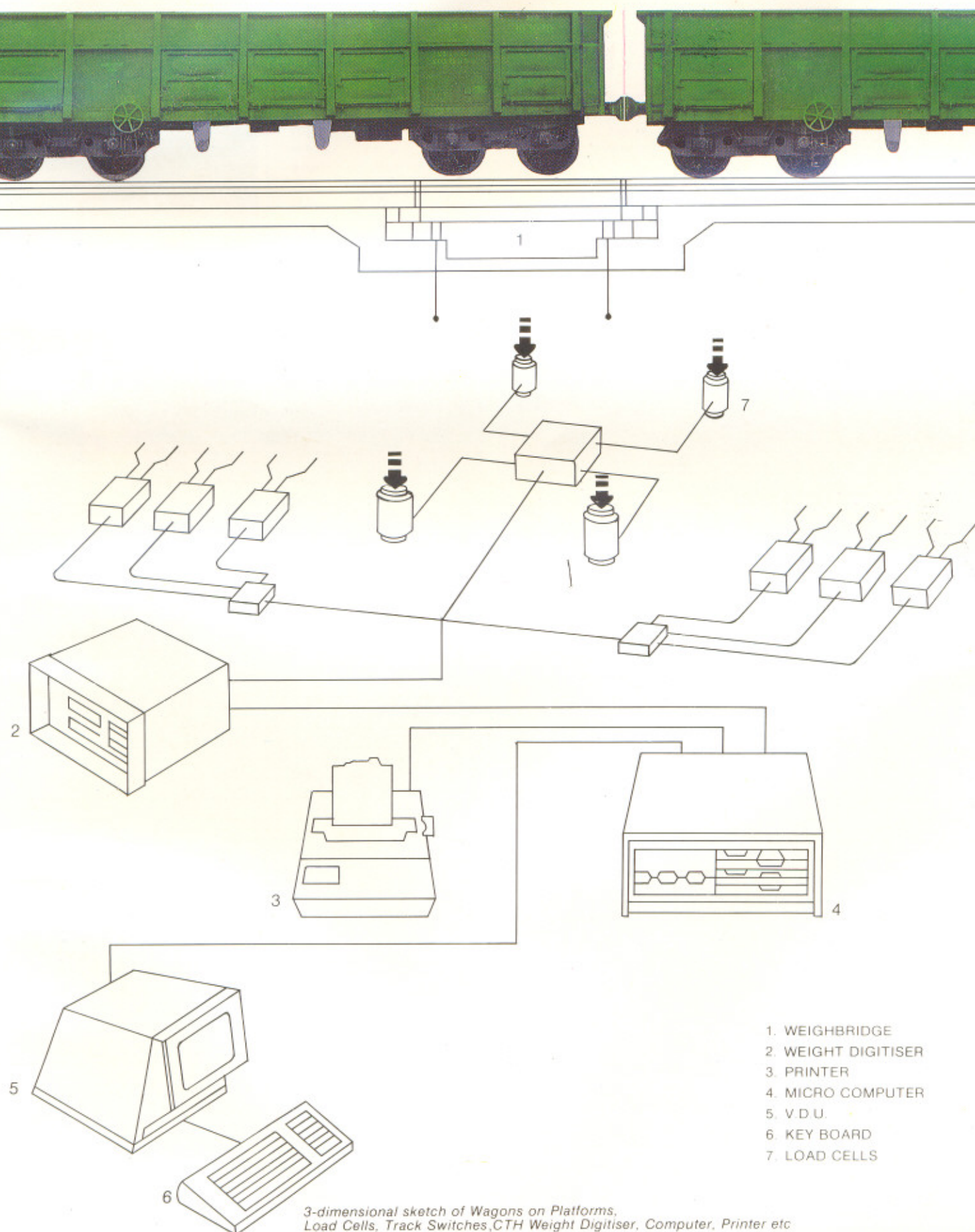


Cubicle with VDU & Keyboard

System comprises of steel structure, supported on four Avery precision strain gauge load cells. Load cells give electrical signals, proportional to weight on the weighbridge. Microprocessor controlled instrumentation converts this signal to digital weight signals, after duly filtering the oscillating signals, caused due to the vibrations of a moving train.


Micro computer system automatically identifies type of rolling stock and monitors speeds with the help of track switches, stores weight information, gives printed weight ticket, and will prepare management information reports, if required. System also gives Audio-visual advance warning to the driver of an over-speeding train.

ing-in-Motion System





Closed cabinet displaying wagon weight



Rake No. : 5

Date & Time in : 27-May-87 11:15

Date & Time out : 27-May-87 11:16

Product type : 1 Coal Grade - E

From : New Majri, W.C.L. Nagpur

To : M.S.E.S. Pune, To pay.

Ticket No. : 1

SERIAL NO.	WAGON I.D. NO.	C.C. TONNE	TARE WT. TONNE	GROSS WT. TONNE	NET WT TONNE
1	NR 5643	100.00	23.00	98.75	75.75
2	ER 67798	100.00	24.00	98.75	74.75
3	SER 342	100.00	22.00	98.75	76.75
4	NR 45321	100.00	25.00	98.75	73.75
5	SER 4226	100.00	24.00	98.75	74.75
Total weights :		Tare	118.00	Gross 495.75	Net 375.75

Coal India

Supplied by Avery India Ltd.,
Leading the weigh in technology.

Operator's Name : _____



Open cabinet

SALIENT FEATURES

- Weighs wagons at relatively high speeds
- Identifies rolling stock automatically and eliminates weighing of locomotive.
- Suitable for all types of rolling stock used by Indian Railways.
- Auto calibration to eliminate drift errors due to temperature changes etc.
- Auto tracking to compensate minor changes in platform weight due to spillage etc.
- Anti roll back protection to prevent multiple weighing of the wagon if it traverses back or stops.
- Built in calender clock to give printout of date & time of weighment.
- Ticket print out. Format made to suit customer's special requirements.
- Preparation of management information reports.
- Auto sensing of speed of rake with optional Audio/visual warning to driver.
- Optional wagon weight display.
- Optional facility for remote V.D.U. & remote printer.
- Optional uninterruptable power supply unit.



AVERY

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Telephone 41383, 41384, 41954 Tlx. 0343-255, 0343-213

Regd. Office : 28/2, Waterloo Street, P.O. Box 377, Calcutta 700 001
Telephone 28-8121(3 lines), 28-4671 Tlx. 021-7457

CENTRAL DIVISION
EASTERN DIVISION

NORTHERN DIVISION
NORTH-WESTERN DIVISION

SOUTHERN DIVISION

WESTERN DIVISION

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