



DEPARTMENT OF TRADE AND COMMERCE  
STANDARDS BRANCH

S.WA-715

OTTAWA, December 12, 1967.

APPROVED : FRUEHAUF TRAILER - CALIBRATION MARKER AND ASSEMBLY FOR VEHICLE TANKS

manufactured by: Fruehauf Trailer Company of Canada Limited, Cooksville, Ontario.

Apparatus Listed: Single marker and multiple marker bracket assembly for vehicle tank compartments.

Rating of Apparatus: The marker and assembly may be used in any vehicle tank compartment for which it is suitable.

Conditions: The marker or markers shall be located sufficiently close to the centre of the compartment, both laterally and longitudinally, that if the vehicle is off-level by 1°, the error in capacity shall not exceed  $\pm 0.125\%$ .

Description: The individual markers are designed to be bolted to a suitable rigid support, which in turn is welded or brazed to the dome opening neck. A suitable support for 2 - 3 markers is shown in the illustration overleaf.

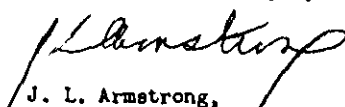
When the finger has been adjusted to the proper level, the castellated nut is tightened so that the top arm of the marker bracket is clamped between it and the "jam" nut, to prevent any vertical and rotational movement of the stud. The marker is sealed by passing sealing wire between the castellations of the castellated nut, a hole at the top of the stud, and two holes in the top arm, and sealing with a lead seal. The lower or "jam" nut is spot-welded to the stud, so that as long as the seal is intact and the castellated nut cannot be turned, the stud cannot be moved. Any rotational movement of the finger is prevented by the bracket, which passes through a guide in back of the finger.

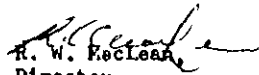
When the marker is bolted to a supporting bracket, sealing wire is passed through pre-drilled holes in the ends of the bolts, and sealed with a lead seal; this prevents the relocation of the marker on the support bracket.

Testing: When calibrating a vehicle tank using this marker or marker assembly bracket, the bracket should be checked to ensure it is rigid and securely attached to the dome neck by welding or brazing. Markers cannot be attached directly to the dome neck, as this means of support is generally inadequate.

Reference: SW-18-1

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.

  
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