

Modification to Boiler Frames,
dated 28th April 1969

Applicable to 15th Class Garratt locomotives
operating on Rhodesia Railways

Notes to readers

The source document for this file was the Office Copy of the Locomotive Trial No.270 documentation held in the National Railways of Zimbabwe Drawing Office in Bulawayo. It was discovered, in March 1998, while I was helping with searching for a complete set of drawings of the 15th Class locomotives after No. 398 had been purchased by a private group in New Zealand for eventual export to that country.

The original document was a duplicated copy hence the slightly indistinct type in some places. This was photocopied (with permission) on to A4 size paper while in the Drawing Office and the photocopies scanned when we were back in New Zealand.

The scanned file has been lightly “Photoshopped” to remove most of the artefacts resulting from the photocopying and scanning processes and to increase the contrast to make it more readable.

Any alterations, amendments or corrections done by hand have all been left in place and this file is a reasonably accurate reproduction of the original.

Alan Bailey
December 2010

OFFICE OF THE CHIEF ENGINEER,
(MECHANICAL, ELECTRICAL AND SIGNAL).
BULAWAYO.

REFERENCE: L.T. NO. 270.
DATE: 28.4.69
ISSUE: 1 (For amendments P.T.O.)
SECTION: M.6.

LOCOMOTIVE TRIAL NO. 270
MODIFICATION TO BOILER FRAME.
15TH CLASS LOCOMOTIVES.

CODE OF TRIAL: "L.T. NO. 270 MOD. B/FRAME".

- 1.00 REASON:
1.01. To reduce the incidence of fractured boiler frames, as L.T. 238 is not proving satisfactory.
- 2.00 ALTERATION:
2.01. New front and hind boiler frame ends are to be welded to existing boiler frames in accordance with Drawing Nos. L-7628 and L-7629 dated 15.4.69.
2.02. The boiler frame back stay, under the cab platform, is to be modified in accordance with amended Drawing No. 81/97, handed to the A.M.E. (Loco.).
- 3.00 APPLICABLE TO:
3.01. One Bulawayo based 15th Class Locomotive No. 411 currently in shops.
- 4.00 TO BE CARRIED OUT:
4.01. At Bulawayo Workshops.
- 5.00 INSTRUCTIONS:
5.01. The above code of trial to be painted on the cab sides of Locomotive No. 411.
- 6.00 SUPPLIES BRANCH:
6.01. No action required.
- 7.00 CHARGE:
7.01. Allocation Number 8204.
- 8.00 DURATION OF TRIAL:
8.01. Until a satisfactory conclusion is reached.

9.00 REPORTS:

9.01. Mechanical Engineer (Southern) to advise immediately any defect is noted in this frame before any rectification is effected.

10.00 DRAWINGS:

10.01. Copies of Drawing Nos. L-7628 and L-7629 of 15.4.69 and amended Drawing No. 81/97 sent to M.E. BLR.



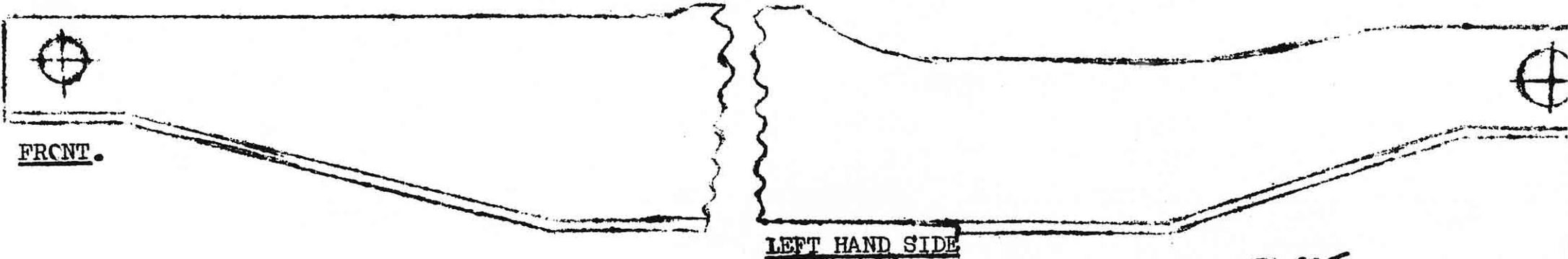
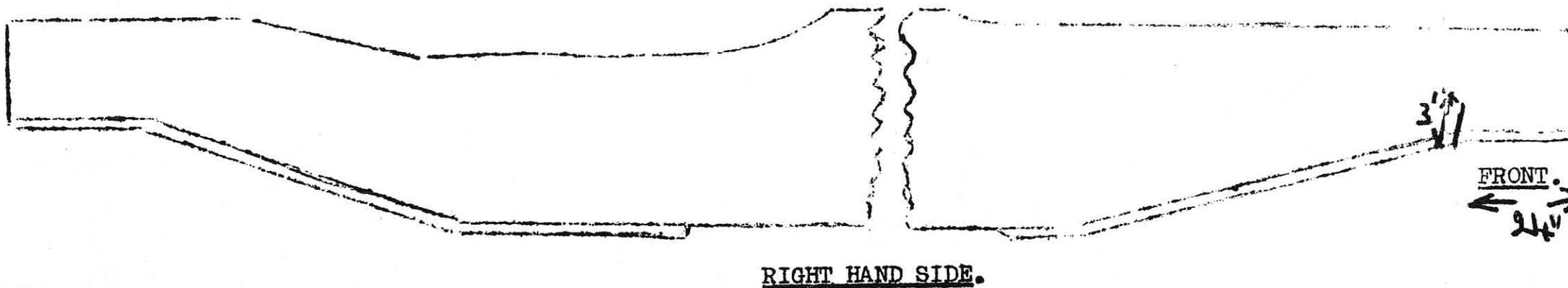
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S.T.S. (2); C.S.K.B. (2).

FILES:- M.6

CD/WT

Trial Report sheets for office use attached.



ENGINE NO. 385 CLASS 156

This boiler frame previously welded by..... at..... Date.....
 Fractures shown on this chart welded by A. Robertson... at... Bt-R..... Date 11/2/66..

- NOTES:
1. Fractures to be indicated in RED and their position and size dimensioned.
 2. After repair is effected weld must be clearly stamped to indicate shed concerned and date.
 3. This chart must be submitted in triplicate.

J.P. Rees