



the cylinder barrels on the induction side, just below the inlet valves. As in the 160 h.p. Mercedes engines, the exhaust valve stem guides are water cooled by recesses formed in each of the exhaust valve pockets so that the water is led right up to the valve stem

guides. Considering the size of the cylinders, they are remarkably light in weight. The complete cylinder with valves, valve springs, &c., including the two brackets screwed into the cylinder head to carry the camshaft, weighs 34.25 lbs.

(To be continued.)

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THE ROLL OF HONOUR.

REPORTED by the Admiralty:—

Killed.

Flight Sub-Lieut. D. R. C. Wright, R.N.

Accidentally Killed.

Flight Sub-Lieut. V. H. Littleboy, R.N.
Flight Sub-Lieut. R. Swallow, R.N.

Died of Wounds.

L8772 Off. Stud. 2nd class G. H. Jones, R.N.A.S.

Died of Injuries.

Flight Lieut. J. Gorman, R.N.
Flight Sub-Lieut. T. M. Greeves, R.N.

Previously reported Missing, believed Drowned, now reported Drowned.

Observer Sub-Lieut. H. Odle, R.N.

Missing (feared Killed).

Flight Commander (acting Lieut. R.N.) W. F. Horner, R.N.

Missing (feared Drowned).

Flight Sub-Lieut. F. C. Cressman, R.N.

Severely Wounded.

Lieut. E. H. Taylor, R.M.A.

Slightly Injured.

Prob. Flight Officer G. W. Cooper, R.N.
Flight Sub-Lieut. J. A. Morell, R.N.

Accidentally Injured.

Lieut. E. R. O. Cave, R.N.V.R.
Flight Lieut. V. A. Watson, R.N.

Missing.

Flight Sub-Lieut. S. S. Richardson, R.N.

Reported by the War Office:—

Killed.

2nd Lieut. S. W. Ayers, Aus. F.C.
Capt. T. V. Hunter, Rif. B., attd. R.F.C.
Lieut. J. C. Kirkpatrick, R.F.C.
30860 2nd Air-Mech. F. Benden, R.F.C.
51746 2nd Air-Mech. G. C. Bradbury, R.F.C.
20834 1st Air-Mech. M. Davies, R.F.C.
106015 Pte. D. McNeill, R.F.C.
3097 Pte. J. Willey, Lancers, attd. R.F.C.

Previously Missing, now reported Killed.

2nd Lieut. N. Bell, Ches. R., attd. R.F.C.
2nd Lieut. A. J. Chapman, R.F.C.
2nd Lieut. R. Dutton, R.F.C.
Lieut. R. W. Ellis, R.F.C.
2nd Lieut. R. A. Inglis, R.F.C.
2nd Lieut. W. L. Inglis, R. Sco. F., attd. R.F.C.
2nd Lieut. F. W. Kirby, R.F.C.
Capt. G. K. Smith, M.C., R.F.C.
2nd Lieut. H. F. Young, Sher. For., attd. R.F.C.
88163 2nd Air-Mech. W. Addison, R.F.C.
65004 Sergt. W. D. A. Backhouse, R.F.C.
3223 1st Air-Mech. G. Stewart, R.F.C.
61869 2nd Air-Mech. E. Wood, R.F.C.

Previously Missing, now reported Killed or Died of Wounds.

Lieut. R. B. Carter, Alta. Regt., attd. R.F.C.
Lieut. R. H. Sawlor, N.B. R., attd. R.F.C.

Previously reported Wounded, now reported Died of Wounds.

Lieut. S. W. Rawles, A.S.C., attd. R.F.C.

Previously Missing, now reported Died as Prisoner in German hands.

78285 Pte. G. Worthing, R.F.C.

Died of Wounds.

2nd Lieut. F. M. Corry, Sher. For., attd. R.F.C.
2nd Lieut. A. Ross, R. Sco. F., attd. R.F.C.
15998 2nd Air-Mech. W. E. Guernsey, R.F.C.

Accidentally Killed.

Lieut. W. N. E. Scott, Aus. F.C.
Capt. H. H. Storrer, Aus. F.C.

Died as Prisoner in Turkish hands.

3318 2nd Air-Mech. W. C. Pass, R.F.C.

Died.

1137 R. A. Ferreira, Aus. F.C.
22353 2nd Air-Mech. P. H. T. King, R.F.C.
49398 2nd Air-Mech. W. H. Tooze, R.F.C.

Wounded.

2nd Lieut. A. H. Burns, R.F.C.
2nd Lieut. J. H. Cooper, A. and S. Hrs., attd. R.F.C.
2nd Lieut. W. T. V. Harmer, Sea. Hrs., attd. R.F.C.
2nd Lieut. F. A. Jeppe, R.F.C.
Capt. H. B. McKinnon, Cent. Ont., attd. R.F.C.
Lieut. A. J. Pratt, Aus. F.C.
2nd Lieut. T. R. Scott, R.F.C.
Capt. L. H. T. Sloan, Cam. Hrs., attd. R.F.C.
2nd Lieut. T. L. Steele, R.F.C.
2nd Lieut. B. Thomas, R.F.C.
Lieut. W. M. Turner, R.G.A. and R.F.C.

Previously reported Prisoner, now reported Wounded and Prisoner in German hands.

Lieut. J. M. Atkinson, A.S.C., attd. R.F.C.

Missing.

2nd Lieut. H. V. Caunt, W. Yorks R., attd. R.F.C.
2nd Lieut. D. G. Clark, Aus. F.C.
Lieut. A. Griggs, Aus. F.C.
2nd Lieut. H. T. A. Honeyman, R. Sco. F., attd. R.F.C.
Capt. T. S. Malcolmson, R.F.A., attd. R.F.C.
2nd Lieut. L. H. Thierry, R.F.C.

Previously Missing, now reported Prisoners in German hands.

2nd Lieut. T. L. Atkinson, R.F.C.
2nd Lieut. A. G. Cribb, R.F.C.
2nd Lieut. E. H. Cutbill, R.F.C.
2nd Lieut. J. A. M. Fleming, R.F.C.
Lieut. E. G. S. Gordon, R.F.C.
2nd Lieut. B. Harker, Lan. Fus., attd. R.F.C.
2nd Lieut. O. M. Hills, M.C., R.F.C.
2nd Lieut. W. H. Jones, R.F.C.
2nd Lieut. T. J. Kent, R.F.C.
2nd Lieut. W. R. Kingsland, R.F.C.
Lieut. J. H. Lawes, E. Yorks R.
2nd Lieut. D. McLaurin, R.F.C.
2nd Lieut. W. G. Morgan, R.F.C.
Lieut. T. W. Morse, Cent. Ont., attd. R.F.C.
2nd Lieut. W. C. Pruden, R.F.C.
2nd Lieut. E. C. S. Ringer, R. Suss. R., attd. R.F.C.
2nd Lieut. A. W. Rush, R.F.C.
2nd Lieut. M. W. B. Stead, R.F.C.
Capt. E. P. Wilmot, M.C., R.F.C.

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The Mannheim Raid.

It is now known that the British pilot who was forced to land during the raid on Mannheim on December 24, was 2nd Lieut. G. F. Turner. British prisoners, who arrived in Switzerland on December 28 and who were in Mannheim at the time of the raid, report that they were told by workmen that a big ammunition factory had been entirely destroyed and the bridge over the Neckar blown up. The Kaiser with his staff had only left Mannheim an hour before the raid.

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The German Way.

THE *Frankfurter Zeitung* states that several camps have been established in various districts of Stuttgart and in the neighbourhood for British and more particularly for French war prisoners of all ranks, and also some hospitals for convalescent war prisoners.

It is added, in explanation of this, "they will have to share with the population of the town of Stuttgart the dangers of air attacks."