VICKERS M.G. (.303 IN.)
DATA SUMMARY
Guns Machine Vickers .303 in., Mk. 1

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Method of Feed
1. Fabric belt from right side.

Belt
2. Capacity—250 rounds.
   Construction—canvas with brass separating strips.

Weight
3. Empty—30 lbs.
   With water—40 lbs. (approx.)

Length
4. 3 ft., 7\(\frac{3}{8}\) in.

Barrel
5. Length—28.4 in.
   Calibre—.303 in.
   Riffing—number of grooves—5.
   twist—1 turn in 10 in.
   direction—to the left
   depth—.005 in. to .008 in.
   width of lands—.0936 in.

Sights
6. Type—aperture and blade.
   Range adjustment—using Plate, Graduated,
   Tangent Sight, No. 2 Mk. 1 for Mk. 7
   ammunition—100 to 2900 yd.
   Range adjustment—using Plate, Graduated,
   Tangent Sight, No. 2 Mk. 2 for Mk. 8z
   ammunition—100 to 3700 yd.
   Sight base—(radius)—36 in. (approx.)

Cyclic Rate of Fire
7. 450 to 550 rounds per minute.

Method of Breech Locking
8. Toggle joint.

System of Operation
9. Recoil, gas assisted.

Change Lever
10. Nil—full automatic only.

Type of Cooling
11. Liquid cooling.

Capacity of Barrel Casing
12. 7 pints (approx.)

Number of Rounds Required to Boil Water
13. 600 (continuous firing).

Rate of Evaporation
14. 1.5 pints per 1000 rounds.

Ammunition
15. Cartridges, S.A. Ball, .303 in., Mk. 7, Mk.
    7z or Mk. 8z, or Tracer or A.P.
    Ammunition details of Cartridges, S.A.,
    Ball, .303 in., Mk. 8z:
    Muzzle velocity—calculated at 90 ft.—
    2440 ± 40 f.p.s.
    Chamber pressure—19 tons per sq. in.
    (approx.)
    Cartridge—rimmed,
    colour of annulus—purple.
    Bullet—nose—pointed.
    base—flat.
    form—"boat tail"—streamlined.
    envelope—gilding metal.
    core—lead and antimony 90/10.
    weight—175 gr. (approx.)
    Propellent—N.C.
    charge—36.5 gr.
    Extreme range—4500 yd.
    Figure of merit—8 in. at 600 yd.

Gauges
16. Barrell—
    see C.A.L.E.M.E.I., S.A.M.G., A 522
Weights—Fusee spring—7 to 9 lb. (6 clicks—1 lb. [approx.])
Feed Block Pawls—top and bottom—1½ to 2½ lb. to start.
To move barrel when packed—4 to 6 lb.
Side levers—cocked—12 to 14 lb.
Gib spring—4 to 6 lbs.
With Blank Firing attachment—Fusee spring—4½ lb.
To move barrel—2 lbs.
Adjusting screw backed off 2½ turns.
Packing of cannellure—16 in.
Packing of gland—30 in.
Washers adjusting (headspace)—
No. 1—.003 in.
No. 2—.005 in.