

- †Reading Morse by sound.
- †Telephone.
- Crowning cables.
- Soldering and jointing cores.
- †Splicing cables.
- Laying out, picking up, and grappling cables.
- Loading mines.
- Connecting up mines.
- Making watertight joints.
- Lowering mines into boats.
- Laying out mines.
- Raising mines.
- Work at junction box.
- Hydraulic testing.
- Making up the following batteries —
 - a. Daniells.
 - b. Groves.
 - c. Leclanché, No. 3.
 - d. Signalling, special.
 - e. Test, special.
 - f. Firing.
- †Testing detonators.
- †Adjusting relays.
- †Testing priming apparatus.
- †Connecting up circuit-closer with relay.
- †Making up primers for—
 - a. Ground and buoyant mines.
 - b. Electro-contact mines.
- †Fitting up test table.
- †Daily testing.
- †Adjusting shutter apparatus.
- †Testing firing battery and earths.
- †Firing charges.
- †Use of position finders.
- †Calibrating 3-coil galvanometer.
- †Finding liquid resistance of batteries.
- †Use of dynamo-electric exploder.
- †Use of reflecting galvanometer.
- †Testing cables.
- †Use of condenser.
- †Knowledge of principles of electricity and magnetism.
- †Working out electric examples.
- †Working electric light.
- Mechanical mines.
- Passive obstructions.
- Improvised apparatus.
- †Engine driving.
- †Diving (both for submarine mining and general service).

It is not desirable to attempt to teach all of the foregoing subjects to each individual ; a thorough knowledge of a portion will be more valuable in the operations of defence than a superficial acquaintance with the whole.

Subjects marked thus † are taught only to special classes.

Signature of Officer of the Coast Corps R.E. of the Port... } _____

Counter - signature of the Officer Commanding the Volunteer Battalion } _____

* I append the recommendation of the Commandant of the School of Instruction, dated _____ for the name of _____ to be included in the efficiency return of his Company.

Signature of the Officer Commanding the Battalion ... } _____

* This will be struck out in the case of members who shall not have attended a School of Instruction.

I recommend that the name of _____ shall be included in the annual submarine mining efficiency returns of his Company.

Signature of the Officer deputed by the Inspector General of Fortifications for inspection of the Company in submarine mining duties ... }

NOTE.—N.C. Officers may be returned as efficient, who have attended 40 submarine mining drills and the annual exercise, subject to the recommendation of an officer deputed for the purpose.

* In the case of members who have obtained the recommendation of the Commandant of the School of Instruction it will not be necessary to fill in this portion of the Certificate in the return made for the twelve months embracing the period of his attendance at the School of Instruction.

The amount of proficiency acquired in previous returns will also be shown hereon, previous qualifications being shown in red.

Subjects marked thus † are taught only to special classes.

FORMS OF CERTIFICATES OF EFFICIENCY.

Army Form E. 618.

FOR ENGINEER VOLUNTEER CORPS (SUBMARINE MINERS).

Non-Commissioned Officers of rank lower than that of Serjeant and for Sappers.

We hereby certify :

1. That A _____ B _____ No. _____ was duly enrolled in the Muster Roll of the _____ Engineer Volunteer Corps, on the _____ 18____, and is actually a Member of the Corps on this date.

2. That he does not belong to the Regular, Militia, Yeomanry, or Army Reserve (including Enrolled Pensioner) Forces ; and that he is not enrolled in any other Volunteer Corps.

3. That he attended during the twelve months ending the 31st October, 18____, * drills of this Corps, ordered by the Commanding Officer ; each of such drills being of not less than one hour's duration.

4. That he possesses a competent knowledge of Squad and Company Drill, including the Manual and Firing Exercises as laid down in the Field Exercises of Infantry.

5. That he possesses a competent knowledge of the Preliminary Musketry Drill laid down in the Musketry Regulations for the Army.

6. That he was † _____ the last Annual Inspections (Drill and Engineering) of the Corps. _____ Commanding Officer. _____ Adjutant.

Head-Quarters _____
1st November, 18 _____

* If present at inspection, 9 drills, including the inspection.

If absent from inspection with leave of the Commanding Officer, or through sickness duly certified, 11 drills.

† Here insert "present at" or "absent from," as the case may be. If absent, it must be stated whether with leave of the Commanding Officer, or through sickness duly certified. If enrolled after the date of inspection, strike out paragraph, and so state.

Engineering Duties.

1. We certify that _____ of the _____ has attended the Annual Camping Practice of his Company, and that he has attended, during the twelve months ending 31st October, 18____, _____ Submarine mining drills of