ed is a mystery; three others were more or Roayl Arsenal the tube is fixed in a frame. charged three times in the canal with a pressure in the air chamber of 1000lb. on the square inch, the same as it was charged with at the time of the accident. The whole which are supplied by contract, are constructed of the best material, and no means are neglected to test them fully before being used, the contractor being bound to submit each one to a test of 1100lb. to the square inch, which on being received at the Royal Laboratory Department of the Royal Arsenal is further increased to 1200lb to the inch. The tests are applied by water instead of air, so that in ease the machine should give way the explosion would pass harmless. The accident is believed to have been caused by some flaw in the construction of the case, which had up to the present trial been able to withstand the great pressure brought to bear upon it, but after each discharge be came weaker, until it at length gave way. Another supposition is that after being discharged in its course along the canal it might have come in contact with a bulk of timber or some other obstacle, and so received some injury which caused the accidont. Soon after the accident Colonel Mil-ward C.B., Royal Artillery, the superintendent of the Royal Laboratory Department, and other officials, were on the spot, and the injured men were conveyed without less of time to the Reyal Arsenal Infirmary, where on their arrival ample arrangements had been made by Surgeon Major W. P. Ward and Surgeon Maunsell, of the Royal Arsenal, and Mr. Graydon, the dispenser, to mitigate as far as possible the sufferings of the men-The arrangements made for prompt attention to the sufferers were perfect, but such accidents as these, which occasionally occur in an establishment of such magnitude as the Royal Arsenal, prove the necessity for better accommodation being provided for their comfort, the building used as the ward being far too small for the reception of such order to find sufficient beds for them, Mr. Inspector Dodsworth, of the Royal Arsenal Police, who a short time since met with a qualified in the additional subjects of instrucsevere accident at the Royal Arsenal railway station, had to be removed to his own residence. Information has been forwarded to the corner in order that an inquiry may be made into the affair—the building in which the accident occurred was much damaged, the roof being partly destroyed and part of sued. the sides blown out; the track on which the torpede rested, which was constructed in the most substantial manner, was broken, the stout blocks on each side being wrenched off the frame of the truck. The fish to-pedo is about 18in. in diameter at the centre, and tapers off to a point at each end; at the tall end there is a three bladed screw propoller, worked by an engine inside the body, and a four bladed rudder to steer it in the direction it is intended to go. It is, so far as it is known, constructed in three parts; the head contains the rocket, which, being charged with gun-cotton when required for charged with gen-cotton when required to the concussion with the enemy's ship, and intended to blow up the ressol. The tail end is a chamber which the ressol. The tail end is a chamber which the ressol. and in the middlo portion is placed the engine, with a pair of cylinders. They are intended to be discharged from a tube in the lows of a ship, but at the canal in the

less injured. The poor fellow who was killed was blown out into the ed, his left leg being tora off and carried being toral off and carried bea is the expelled by means of a piston, and as it passes out of the tube a tripper catching against a stud puts in action the propelling power. When discharged the torpedoes, generally speaking, go straight to the mark intended to be struck at a speed of about ten miles on here. of about ten miles an hour.

DOMINION OF CANADA.



VILITIA GENERAL ORDERS.

HEAD QUARTERS.

Ottawa, 6th March, 1874.

Juneau. Orners (5).

No. 1.

ACTIVE MILITIA.

Schools of Gennery.

Adverting to Nos. S and 9 of General Or ders (24) 20th October, 1871, officers and noncommissioned officers who have been selected for an additional nine months or "Long Course" of instruction, after having completed their three months or "Short Course" of instruction, and obtained First or Second Class "Short Courso" Gunnery Certificates. will be entitled to Certificates having a higher qualification designated First and Second Class "Long Course" Gunnery Certificates, on the completion of their "Long Course," and provided they are found

The words "Ling Course" or "Short Course," as the case may be, will, in future, be written or printed conspicuously on the face and endorsoment of all certificates is-

PROVINCE OF ONTARIO.

47th "Frontenae" Battalion of Infantey. No. 7 Compray, Hacrowsouth.

To be Captain:

Ensign Allen Carscalten, M. S., vico Joyner.

nery, Quebec.

Master bunner J. B. Donaldson, R. A., Ravenseraig at sen:

doing duty as Master Gunner, at the School of Gunnery, Quebec, is entitled to seniority in position and takes rank befor all the non-commissioned officers on the establishment of, or attached to, the school.

PROVINCE OF NOVA SCOTIA,

78th "Colchester and Hants" or "Highlanders" Buttalion of Infantry.

No. 1 Company Truro.

A Company of Infantry is hereby authorized at Truro, in the County of Colchester, to be No I Company, 78th Battalion, to replace the former No. 1 Company, Truro:

To be Captain, provisionally:

Henry Taylor Lawrence, Esquire. To be Lieutenant, provisionally:

Edmund Alexanon Cock, gentlemen.

To be Ensign, provisionally: William Barton Wilson, gentlemen.

CONFIRMATION OF RANK.

Major William Bingham, commanding the Victoria Provisional Buttahon of Infantry, having served as a non commissioned officer in Her Majesty's Regular Army, is hereby confirmed in his rank from date of promotion: 13 October 1871.

By Command of his Excellency the Governor General.

> WALKER POWALL, Beat Col Acting Adjt. General of Militia, Canada.

The German park of slege artillery will according to the new regulations, consist of 400 pieces of ordnance, namely, 40 bronze 9 centimetre guns, 120 bronze 12 centime reguns, 20 short east steel 15 centimetre guns, 20 short east steel 15 centimetre guns, 40 long 15 centimetre guns of cast steel with forged iron hoops, 40 bronze rifled 21 centimetre mortars, and 40 bronze smoothbore 15 centimetre mortars. It is expected to be complete as early as next March. March A number of short 21 centimetre guns and 25 centimetre hooped mortars will be added shortly. The species of cannon upon which most reliance is placed is the 15 centimetro gun, a new type of ordnance which is supposed to be unequalled in true-ness of aim and for firing breaches. For this reason the number of such pieces in the siego park will doubtless be still further augmented. The fact that this has not yet been done is accounted for by the requirements of the same arm for defensive purposes at fortified places.

Lieut. Gocernor Archibald on the 5th prosented Capt. John Cook, of the brigantino inue Brown, of Wolfeville, N. S. with a dhronometer, awarded by the President of the United States for his humane services in saving the the shipwrecked crew of schooner