occasion in half the time it now takes them but the horses will do much more work, while at the same time they will be less

fatigued in dowing it.

In making these remarks, we are guided by the knowledge of the fact that "The peed of cavalry must be esteemed its first and most useful property" all other things are secondary to this, and to attain it in prefection we must reduce the riding weight of our Dragoons by stones and not by pounds; hence the necessity of the alterations we have advised, alterations, boit remembered, that in no single particular detract from the ruler's efficiency, but, on the contary, add to it.

The first movement for the establishment of the Newport Torpedo station was made in September, 1869, when Commander E. O. Matthews-then attached to the Bureau of Ordnance in Washington-was selected for the work on account of his special qualifications and adaptability for prosecuting successfully a series of experiments, which, in governmental interest, were to be of the most thorough description By February. 1870, operations commenced in carnest for the manufacture of the torpedoes and instructing officers in their use. A new ma chine shop is now building, which is of brick, two stories in height, and will, when completed, be a model of its kind. West of the machine shop is a brick building. used for storage on the first floor of all extra finished parts of machinery, apparatus for experiment, etc., while in the loft is the telegraphic making under the hands of stu dents who are qualifying themselves for operatives. Within Fort Wolcott is a laboratory where the materials for igniting and exploding the torpedoes are prepared. Out of the fort on the west shore of the island are two small buildings especially devoted to the manufacture of the terrible explosive tri nitroply erine and dualin, and north of them is a stil for the manufacture of chemicals. Chemistry and electricity play most important parts in torpedo manufacture, and the studen't is obliged to throw off all horror of disagreeable woak, don the proper clothing and add by practice to what he had preyiously acquired theoretically. From the lies day to the last of the student's stay, it is constant work with head and hands, and if he does not prove an efficient officer, it surely will not be the fault of the Governme. . In the building known as the head quarters, are small laboratories, lecture and study room; all conveniently connecting with the office of the commander in the centre. In the latter room is kept a complete record of everything; work performed, buisiness records and results of all experi-ments, many of which are of the utmost ments, many or which are or the deduced importance to the War Department. The torpedo varies in size from a capacity of from fifty to five hundred pounds of explosive material and is classed according to use Before receiving the explosive, the test is made by an air-pump to satisfy as to tightness. Fort harbor defence the torpedo is coppor-covered, as that material is slow of corrosion, while for spars and immediate miscellaneous uses the cheaper cast iron alone answers. The variations of style and manner of use are secret. Connected with the post are three steam launches, which are fully provided withingenious devices for exploding the torpede from the broadside and under water. U. S. Army and Naty. Journal 21 Dec. 1872.

Complaints are being made in France about the unsatisfactory manuer in which the soldier performs his toilette, especially in camp. There is a rule that a jar of water, shall stand in each room or hut; but this state is intended on the same and the same are the same and the same are the sam water is intended only for two purposes-to. quench thirst and lay the dust on the floor. There are orders that this water shall not be used for washing; but in cold and wet weather the soldier prefers pouring some of it into his hands, and thus washing his face, to going out into the open air; his hands; serve him for a basin, and his sheet for a towel. Now, the Buttetin de la Reunion des Officiers considers all this insalubrious and unclean, and recommends the erection of a covered washing place, with conveniences for daily ablution, and a thorough scrubbing under the eyes of officers once a-week.

During the last twelve months the number of deserters from the English Army has been so unusually large as to excite public attention and the newspapers are engaged in discussing means of putting a stop to the illegal exodus. Last year 8,360 pames of deserters were published, and desertionliss still going on at the rate of 700 or 800 a month.

BREAKFAST .- EPPS'A COCOA .- GRATEFUL AND Compositing.-The very agreeable character of this preparation has rendered it a general favortto. The Civil Service Gazette remarks:-"The singular success which Mr Epps attained by his homopathic proparation of cocoa has never been surpassed by any experimentalist. By a thorough knowledge of the natural laws which govern the operations of digestion and nutrition and by a careful application of the fine properties of wellselected cocoa, Mr. Epps has provided our breakfast inbles with a delicately favoured beverage which may save us many heavy doctors' bills." Madesimply with boiling wate or milk. Sold by the Trade only in lib., lib., and lib tin-lined packets, labelled-James Errs & Co., Hommopathic Chemists, London, England

TO THE WORKING CLASS.—We are now prepared to furnish all threats with constant employment at home, the whole of the time or for the quare moments. Junisassanew, light and profileble. Ferroms of sinter sex sealing earn from the to \$4 per avening, and a proportional sum by devoting their whole time to the business. Sorgand gitte earn nearly as much assume. That all who see this notice may send their address, and least the knowledges we will send \$1 to pay for the trouble of writing. Full particulars, available sungle which will do to commence to tron, and a copy of The People's Electory Commence—and of the lengest and best family, newspapers published—all sent they by mail. Blueder, if you want premnared, noticable we address all lender, if you want premnared, noticable we address E. C. Allikk & CQ-1 mark killing.



NOTICE TO CONTRACTORS.

SEATED TENDERS addressed to the under-signed, and ondersed "Tender for Peterawa Works," will be received until Thursday, the 16th Instant, at noon for the performance of cortain repairs of Slides, Dams, &c., from the First Caute to Thompson's Rapids, on the Petewaya River.

Specifications can be seen at the office of the Superintendent of the Ottawa River Works on and after Eriday, the 10th instant, where printed forms of Lender and other information can be obtained,

the Department will not be bound to accept the lowest brany Tender.

By Order, F. BRAUS,

Department of Public Works, Oltana, 8th January, 1871.

Secretary.

, NOTICE TO CONTRACTORS.

SEALED TENDERS addressed to the under signed, and endorsed "Tender for Caillen Canal, Dam and Slide," will be received at this office until noon of Monday, the 27th day of January next (1873), for the construction of a Nam. Timber Stide, and Canal with two Locks, in the Carillon Rapids.

Plans and Specification of the works can in scou at this office, and at the Laching Canal Office, Montreal, on and offer Wednesday, the 15th day of January next, when printed icrimsesf Tonder will be farnished.

All Tenders must be made on the printed forms, and to each must be attached the actual signatures of two responsiblefund solvent persons, rest dents of the Dominion, willing to become surgities for due due fulfilment of the contract.

MThis Department does not, however, blud l'set to accept the lowest or any Tender.

F. BRATIN.

Secretary.

Department of Public Work, Ottawa, 28th Dec., 1872.

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ORDNANCE LANDS.

PUBLIC NOTICE is hereby given that on SATURDAY the Ist day of February next at the Salesroom of J. Birmingham, Ottawa, and ac the hour of noon will be offered for sale, the fellowing Lots of Ordnance Land, to wit:

1st. The lease for twenty-one years from day or sale of two everal wharf Lots, lying on the west side of the Rideau Canal to the south of the Pajpers Bridge, Ottnwa, between the said Sapfers Bridge and the stores of the Messrs. Bates, cuch Lot having a frontage of 83 feet, by a depth of 100 feet more or less, as shown on plan. Buildings to be erected thereon within two years in accomiance with plans to be submitted to and approved by this Department.

2nd. A piece of Ordinance Land known as broken lot No. 11, Con J. South Crosby, Counts of Leeds, Untario, contents being 35 acres, 3 reads and 24 square rods, more of less, together with a smader piece of land contiguous to above, coninfing I rood and 28 square rods of land, more or less, with mines and minerals thereon being specially any mine of Phosphate of Lime, which may be, or may be found thereon. Terms Cash. Plans to be seen at the place of sair

By Order.

· E. PARENT. Under Secretary of State.

W. H. COFFIN, . Ord. Lands Agent.

Offawa, 27th Dec. 1872.

READ THIS! All persons invine to increase their meeting, leisure and wishing paid to undersigned occupation case and honorable, suited to all, cespecially TO LADIES, \$2 no day without risk or expense.

C. L. BOSSE, Montreals,

Wanted,

BAND-MASTER for the P.W. B. THEO HORD. For particulars as to salary etc. asplying RICHARD W. BARROW, ... -1

Captain, 727

President Band Committee Kings w. Ont., July 19th, 1872.