

During the past winter several experiments were made in Russia as to the suitability of snow entrenchments as a protection against rifle fire, with the result that it was conclusively shown that snow parapets offered ample security against rifle fire. It was found that a thickness of 6 feet of loosely shovelled snow, or 5 feet of beaten snow, or 4 feet of frozen snow, was sufficient to keep out bullets fired at any ranges over 109 yards: the actual penetrations being, at 656 yards, 4 feet to 4 feet 3 inches; at 328 yards, 3 feet 11 inches to 4 feet 7 inches; at 164 yards, 4 feet 11 inches to 5 feet 9 inches; and at 82 yards, 7 feet 6 inches to 8 feet in loose snow. No experiments appear to have been made to test the effect of field guns, but according to the German instructions a parapet of 26 feet is sufficient to resist their fire. Roughly stated, it appears therefore that snow parapets twice the usual thickness laid down for field entrenchments afford sufficient cover against rifle and artillery fire. When it is considered how easily snow can be shovelled up compared with the difficulty of turning up earth during a hard frost, the importance of being able to rely on snow as a protection can hardly be overestimated.

**SADDLE WANTED.**

**WANTED.**—A good second hand Saddle with Wallets and Cover. Address P. O. Box 474. Owen Sound, Ont.

**DOMINION ARTILLERY ASSOCIATION.**

The Annual Meeting will take place at Ottawa, on Thursday, the 21st inst. Time and place of meeting will be advertised in local paper on morning of meeting.

A Meeting of Council will be held the day previous, in the office of the Inspector of Artillery, at 2 p.m.

By order.

J. B. DONALDSON,  
*Secretary.*

OTTAWA, 7th May, 1891.

Railways have been requested to issue tickets at reduced rates as usual.

**LIEUTENANT'S UNIFORM FOR SALE.**

**RIFLE:**—Full Dress Tunic, Full Dress Trousers, Mess Jacket, Mess Vest, Undress Trousers, Patrol Jacket.

**90TH RIFLES:**—Busby and Plume, Sword and Belt, Cross Belt,

**INFANTRY:**—Scarlet Tunic, Undress Trousers, Mess Vest, Artillery Sword.

All of the above guaranteed first-class make and nearly new.

W. R. CURRIE,  
MOOSOMIN.

**INFANTRY UNIFORM WANTED.**

Infantry Officer's Uniform wanted, 2nd Lieutenant; must be in first-class order. Height, 5 ft. 11 in.; chest, 38 in. State lowest cash price for each article.

Address, CAPT. McLEAN,  
6 Wellington St. West,  
TORONTO.



**CARSLAKE'S  
Grand Derby Sweep**

**\$75,000.00.**

1st horse 6 prizes \$2000 each.....\$18000  
2nd do do 2000 ..... 12000  
3rd do do 1000 ..... 6000  
Other starters, 6 prizes, divided equally ... 1:000  
Non-starters ..... 27000

**15,000 TICKETS. - \$5 EACH.**

206 HORSES ENTERED - 1,236 PRIZES.

Tickets numbered 1 to 2500—six of each.  
Drawing May 25th. Race May 27th.  
Result mailed to country subscribers.

**—GUARANTEED TO FILL.—**

Address GEO. CARSLAKE, Prop.

Mansion House, 522 St. James street, Montreal.



**MONEY ORDERS.**

**MONEY ORDERS** may be obtained at any Money Order Office in Canada, payable in the Dominion and Newfoundland; also in the United States, the United Kingdom, France, Germany, Austria, Hungary, Italy, Belgium, Switzerland, Portugal, Sweden, Norway, Denmark, the Netherlands, India, Japan, the Australian Colonies generally.

On Money Orders payable within Canada the commission is as follows:

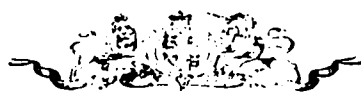
If not exceeding \$4	2c.
Over \$4, not exceeding \$10	5c.
" 10, " " 20	10c.
" 20, " " 40	20c.
" 40, " " 60	30c.
" 60, " " 80	40c.
" 80, " " 100	50c.

On Money Orders payable abroad the commission is:

If not exceeding \$10	10c.
Over \$10, not exceeding \$20	20c.
" 20, " " 30	30c.
" 30, " " 40	40c.
" 40, " " 50	50c.

For further information see OFFICIAL POSTAL GUIDE.

Post Office Department, Ottawa.  
1st November, 1890



**Mail Contract.**

**SEALED TENDERS**, addressed to the Postmaster General, will be received at Ottawa until noon, on **FRIDAY, 15th MAY, 1891**, for the conveyance of Her Majesty's Mails, on a proposed contract for four years, six times per week, each way, between Winchester and Osgoode Station, from the 1st June next. The conveyance to be made in a suitable vehicle via the Post Offices at Ormond, Vernon, Dalmeny, West Osgoode and Osgoode Station, and also via the residence of Mrs. John Ferguson, Lot 21, Con. 6, Township

of Osgoode, three times per week, in the event of a Post Office being established at that point.

Printed notices containing further information as to conditions of proposed contract may be seen and blank forms of tender may be obtained at the Post Offices of Ormond, Vernon, Dalmeny, West Osgoode, Osgoode Station, and Winchester, and at this office.

F. HAWKEN,  
Post Office Inspector.

Post Office Inspector's Office,  
Ottawa, 8th April, 1891.



**North-West Mounted Police.**

**RECRUITS.**

**APPLICANTS** must be between the ages of **Twenty-two and Forty**, active, able-bodied men of thoroughly sound constitution, and must produce certificates of exemplary character and sobriety.

They must understand the care and management of horses, and be able to ride well.

The minimum height is 5 feet 8 inches, the minimum chest measurement 35 inches, and the maximum weight 175 pounds.

The term of engagement is five years.

The rates of pay are as follows:—

Staff-Sergeants ..... \$1.00 to \$1.50 per day  
Other Non-Com. Officers.. 85c. to 1.00 "

	Service pay.	Good conduct pay.	Total.
1st year's service,	50c.	—	50c. per day
2nd " "	50	5c.	55 "
3rd " "	50	10	60 "
4th " "	50	15	65 "
5th " "	50	20	70 "

Extra pay is allowed to a limited number of blacksmiths, carpenters and other artisans.

Members of the force are supplied with free rations, a free kit on joining and periodical issues during the term of service.

Applicants may be engaged at the Immigration office, Winnipeg, Manitoba; or at the Headquarters of the Free, Regina, N.W.T



\$1000.00 a year is being made by John C. Goodwin, Troy, N.Y. at work for us. Reader, you may not make as much, but we can teach you quickly how to earn from \$5 to \$10 a day at the start, and more as you go on. Both sexes, all ages. In any part of America, you can commence at home, giving all your spare moments of 3 to the work. All is new. Great pay **SURE** for every worker. We want you, furnishing everything. **EASILY, SPEEDILY** learned. **PAPER PLANS FREE.** Address at once, STANLEY A. CO., PORTLAND, MAINE.