

Promotions in Regular Army.

WAR OFFICE, May 7.

- Royal Horse Guards—Lieut O L C Williams to be capt by pur, v Billington, ret.
- 5th Lt Dragoons—E Pulleyne, gent, to be cornet.
- 7th Lt Dragoons—The Hon A W E M Herbert to be cornet by pur, v Carden, prom.
- Royal Artillery—Bt Major A Vandeleur from the sup list, to be sec capt, v Tomkinson placed on H P. sec capt A H Murray to be Adjutant, v Greene, prom.
- Royal Engineers—Lieut A W Darnford to be sec capt, v Phillpotts, seconded.
- 9th Foot—Lieut H Gipps to be Inst of Musk.
- 16th—Bt Lieut Col J Temple, from H P to be Major, v Copinger, ret upon Full Pay Capt G J Peacocke to be Major by pur, v Temple, ret Lieut J W Freeman to be capt by pur, v Peacocke, Ensign J H Brabazon to be Lieut by pur, v Freeman Serjt Maj P M'Cann to be Ensign, R Walker, gent, to be Ensign by pur, v Brabazon.
- 19th—Serjt Maj W Read, from the Royal Engineers, to be Ensign, and Adjutant.
- 21st—J Blackley, gent, to be Ensign.
- 23rd—A M Molyneux, gent, to be Ensign.
- 24th—C A Hewitt, g, to be Ensign.
- 25th—Ensign R S Faloy to be Lieut by pur v Harrison prom.
- 28th—Capt R K Trotter, from H P sub Inspector of Militia, to be capt, v Aplin, prom Lieut J G Day, to be capt by pur, v Trotter, ret, Ensign F E Webb to be Lieut by pur, v Day.
- 52nd—W B P Burrell, gent, to be Ensign by pur, v Owen prom.
- 55th—Ensign G W Y FitzGerald, from the 17th Ft, to be Ensign, v Gillies, prom.
- 60th—Capt T W Neesham, from H P to be capt Ensign N W Wallace, from 76th Ft, to be Ensign, v Hodges, prom.
- 68th—Capt R T Gerard, from H P to be capt v Bt Major T de Courcy Hamilton, Lieut E R Fox Vicars to be capt by pur, v Gerard ret Ensign W A Kay to be Lieut by pur.
- 93rd Lieut R A Cooper to be capt, v Dalzell killed in action Ensign W S Mackenzie to be Lieut Ensign G F Robertson to be Lieut.
- 98th—Ensign A Stewart to be Lieut, v Clancy, prom.
- 99th—Lieut J D Molson to be Inst of Musk.
- 100th—To be Majors without purchase—capt and Brevet Col G De Rottenburg, capt and Brevet Lieut Col J H C Robertson, May 7.
- Rifle Brigade—Lieut J C Moore to be capt by pur, v Morgan ret the Hon J Abercromby to be Ensign by pur, Lieut O G Slado to be Inst of Musk, v Palliser.
- 2nd W I Regt—Capt T H Smith to be Maj by pur, v Lewis, prom Lieut E F Tarte to be capt by pur, v Smith, Ensign F A Knapp to be Lieut by pur, v Tarte prom.
- 3rd W I Regt—Major J Lewis, from the 2nd W I Regt to be Lieut Col by pur, v Bt Col D'Arcy, ret.
- Gold Coast Artillery Corps—T Clerk, g, to be Ensign.
- Major H Copinger, Retired Full Pay 16th Foot, to be Lieut Col in the Army, the rank being honorary only.
- Capt R T Gerrard, 68th Foot, to be Major in the Army, Nov 11, 1851.
- Capt W Marvin, Chief Paymaster, Royal Artillery and Royal Engineers, to have the honorary rank of Major, April 1.

WAR OFFICE, May 14.

- Royal Horse Guards—T C D R Whitmore, Gent, to be cornet.
- 5th Drn Guards—T Y Benyon, Gent, to be Cornet.
- 4th Lt Drns—J Kennedy, Gent, to be Cornet by pur.
- 5th Lt Drns—Lieut W Edgeworth, from 8th Ft, to be Lieut, A Malcolmson, Gent, to be Cornet Serjeant E Greator, from 3rd Lt Drns, to be Riding Master.
- 8th Lt Dragoons—Cornet J M Biddle to be Lieut, A Tomochy, Gent, to be Cornet, v Inge, prom; Cornet E Pulleyne, from 5th Lt Dragoons, to be Cornet.
- 9th Lt Drns—Serjt Major R F Thonger to be Cornet.
- 10th Lt Dragoons—Lieut W Mayne to be capt by pur v Gill, ret, O R Slake, Gent to be cornet.

13th Lt Drns—Cornet A A Lethbridge to be Lieut by pur, v Munn, prom G S Willes, Gent, to be Cornet by pur.

14th Lt Drns—Hon F Amherst to be Cornet v Phillips, prom.

Military Train—Lieut D Gibson to be capt, capt H Brabazon, from H P Unatt, to be capt, v C E Gibson, app to the 49th Ft, Lieut E M Palliser to be capt by pur, v Brabazon, ret Ensign R C Hardy to be Lieut by pur, v Palliser.

Royal Artillery—Lieut C J Tyler, to be sec capt, v Luard dec.

Royal Engineers—Sec capt W S Staoe, to be Capt, v Bt Major Ord, Lieut D A Fraser, to be sec capt, v A J Clerke, died from the effects of a gunpowder explosion, Lieut E F Du Cane to be sec capt.

2nd Foot—Lieut W W Lynch, from the 70th Foot, to be capt.

5th—Capt D D Graham, from 78th Foot, to be capt, v St: George ex.

6th—Maj and Bt Col the Hon F Colborne, C.B., from H P Unatt, to be Major, vice Willis ex.

8th—To be capt without purchase—Lieut J V W H Webb, Lieut A R Bayly, Lieut W R Ximenes;

0th—H Elmhuist, Gent, to be Ensign.

11th—Ensign J L Day, to be Lieut.

12th—Cornet W Ross, H P of the late Land Transp Corps, to be Quart, v Nesbitt, dec.

13th—Lieut J A Rowley, to be capt, v Moorson, killed in action, Ensign C E Palmer, to be Lieut, Ensign E L England to be Lieut.

16th—Lieut J A Chippindall, from the 62nd Foot, to be Lieut, v M Hall ex.

17th—Ensign J Colquhoun to be Lieut, Paym, N G Smith, from the Bedford Militia, to be Paymaster.

18th—Ensign W T Le Brun to be Lieut, Ensign M J R Macgregor, to be Lieut, by pur, v Bishop, prom.

19th—D C Affleck, Gent to be Ensign.

21st—Bt Major E A T Steward, to be Major, by pur, v the Hon D Erskine, ret Lieut T Bruce to be capt by pur, v Steward.

22nd—H J Oliver, Gent, to be Ensign.

23rd—G G Liddell, Gent, to be Ensign.

24th—Ensign W Magill, from the 11th Foot, G V Wardell, Gent, to be Ensigns.

32nd—H R Hardinge, Gent, to be Ensign.

49th—Capt C E Gibson, from the Military Train, to be capt, v Bt Major Dewar.

54th—J H Tarleton, Gent, to be Ensign by pur, v Falkiner, ret R H Favcott, Gent, to be Ensign by pur, v Jebb, prom.

55th—D A Ogdan, Gent to be Ensign, v Bluett, prom in 32nd Ft.

60th—Capt and Bt Lieut Col J G N Gibbes, from H P of the late Royal Malta Regt, to be capt Lieut J J Phillipps to be capt by pur, v Bt Col Gibbes, ret Lieut J S D McGill to be capt by pur, v Nesham, ret C Gosling, Gent, to be Ensign.

62nd—Lieut M Hall: from the 16th Ft, to be Lieut, v Chippindall, ex.

58th—H G Robley, Gent, to be Ensign by pur, v Drewe.

73rd—Lieut A A Young has been superseded, being absent without leave.

76th—Lieut J H Tripp to be Inst of Musk, v Capt J W Preston, res that app.

78th—Capt T C B St. George from the 5th Ft, to be capt, v Grahame ex.

96th—F Reid, Gent, to be Ensign by pur, v Scovell, prom.

100th—Major and Bt Col G de Rottenburg, C B, to be Lieut Col without pur, May 14, J Hutchinson, Esq, late Paym of the Osmanli Ir Cavalry, to be Paym.

1st W I Regt—Serjt Major F Nolan to be Ensign.

3rd W I Regt—Lieut H Butler, late Paym 67t Ft, to be Lieut, v Archer prom, Ensign C N Smyth to be Lieut by pur, v Butler ret.

Appointments.

HEAD QUARTERS,

Toronto, 27th May, 1855.

Militia General Order.

SEDENTARY FORCE.

MILITARY DISTRICT NO 1, U C.

Fourth Batt, Carleton.

To be Major:

Capt Ar Scott, v O'Conner, dec.

To be Captain:

Lieut Bn Gordon.

To be Lieut:

Ensign R S. Cassels.

To be Ensign:

Ensign Js Ts Pennock, from 2d Batt,

Grenville.

Ninth Batt, Simcoe.

The following appointments are made, viz:

To be Lieut Colonel,

Captain Rt U Banting, from 2d Simcoe:

To be Major:

Capt W McClain, from 2d Simcoe.

To be Captains:

Capt T Parker, from 2d Simcoe, G Davis,

Esq; Lieut J McClain, from 2d Simcoe, J

Duff, J Fletcher, Esq, J Dundass,

To be Lieutenants:

Lieut Ts H Banting, from 2d Simcoe,

Ensign J Goodwin, " "

" W Dinwoody, " "

J Irvin, A Wilkinson, W Irvin, Genta.

To be Ensigns:

Ensign J Lennox, from 2d Simcoe,

D V Every, Ed Meredith, A Hussey, S

Rogers, J Lennox, Genta.

MILITARY DISTRICT NO 6, U C.

First Batt, Waterloo.

To be Capt:

Lieut E L. Cutten, v P. Cook, perm to ret

ret rank.

To be Lieutenants:

En D Howell, v Jaffrey, left limits, J

Potter, v McArthur,

To be Ensigns:

T Peck, J Williamson, J Brousgrove, G

Alfred Baker, Gent.

MILITARY DISTRICT NO 7, U C.

Fourth Batt, Haldimand.

To be Captains:

T G. Cooper, J Rodgers. J P. Biggar, J

Claus.

To be Lieutenants:

D Hanna, C E. Bourne, J Aikin, D Trot-

ter, G Colver, Ensigns;

W Lemon, W Wood, J B. Yayer, Gent.

To be Ensigns:

R Nalbrook, D Jones, W Falls, J Jackson,

W Maywell, W McBurney, H Jackson, J

Pimm, J Holland, Genta.

To be Surgeon:

Ast-Surgeon R Douglas, v Philpots, left

limits.

MILITARY DISTRICT NO 8 U C.

Second Batt, London.

To be Major:

Captain H C. R. Becher, v J. Parke, permd

to ret ret rank.

To be Captain:

Lieut D Glass.

To be Lieutenants:

Ensign B. Harris.

To be Ensigns:

J M. Tierney, E Labatt, J J. Wellstead,

Gent.

UNATTACHED.

Captain the Honorable Robert Spence, of 4th Battalion, Wentworth, having removed from the limits of his Battalion, is placed in placed on the Unattached List, with the rank of Major.

By Command of His Excellency the Right Honorable the Governor General and Commander in-Chief.

DE ROTTENBURG, Col.

Adj General of Militia.

SECRETARY'S OFFICE.

Toronto, 29th May, 1855.

His Excellency the Governor General has been pleased to make the following appointments, viz:

Robert Mc Crum, Esquire, M. D., and

John Merrills, Esquire,

to be Associate Coroners for the United

Counties of Leeds and Grenville.

Peter Grass, Esquire,

to be Associate Coroner for the United Coun-

ties of Northumberland and Durham.

Jacob Smith, Esquire, M. D.,

to be Associate Coroner for the County of

Kent.

His Excellency the Governor General has also been pleased to grant Licenses to practise Physic, Surgery and Midwifery in Upper Canada, to the following Gentlemen, viz:

Michael Sullivan, of the City of Kingston,

Esquire, M. D.

Joseph Hackett, of the Town of Amherst-

burgh, Esquire, M. D.

Timothy Farr English, of the City of

London, Equire, M. D.

SECRETARY'S OFFICE.

Toronto, 29th May, 1855.

His Excellency the Governor General has been pleased to make the following appointments, viz:

Hubert Trefflé Sentenne, Esquire, to be Clerk of the Circuit Court of and for the Soulanges Circuit.

Pierre Pelletier, Esquire, to be a Municipal Councillor for the Village of Kamouraska.

His Excellency has been further pleased to appoint the undermentioned Gentlemen to be Justices of the Peace within Lower Canada, viz:

In the District of Quebec.

Regis Latraverse, of Ste. Victoire, in the County of Richelieu.

Rieule Bouliane, of Petites Bergeronnes, in the County of Saguenay, and.

Nazaire Simard, of Ste. Anne, in the County of Montmorency, Esquires.

In the District of Montreal.

John Flynne, of St. Stanislas de Kostka, in the County of Beauharnois,

Francis Anthony, of Franklin, in the County of Huntingdon,

Paul Labelle, of St. Placide.

Oscar Barcelo of Ste. Scholastique.

Louis Rodrigue, of Ste. Scholastique.

Noel, Joannette, fils de Noel, of St. Joseph du Lac, and.

Alexander McColl, of St. Joseph du Lac, in the County of Two Mountains, Esquire.

DIETETIC ANOMALIES.

The water which drowns us as a fluent stream, can be walked upon as ice. The bullet which, when fired from a musket, carries death, will be harmless if ground to dust before being fired. The crystallised part of the oil of roses, so grateful in its fragrance—a solid at ordinary temperatures, though readily volatile—is a compound substance containing exactly the same elements, and in exactly the same proportions, as the gas with which we light our streets: The tea which we daily drink, with benefit and pleasure, produces palpitations, nervous tremblings, and even paralysis, if taken in excess; yet the peculiar organic agent—called theine—to which tea owes its qualities may be taken by itself (as theine, not as tea) without any appreciable effect. The water which will allay our burning thirst, augments it when congealed into snow; so that Captain Ross declares the natives of the Arctic regions "prefer enduring the utmost extremity of thirst rather than attempt to remove it by eating snow." Yet if the snow be melted, it becomes drinkable water; and it must be melted in the mouth. Nevertheless, although, if melted before entering the mouth, it assuages thirst like other water, when melted in the mouth it has the opposite effect. To render this paradox more striking, we have only to remember that ice, which melt more slowly in the mouth, is very efficient in allaying thirst.

These facts point to an important consideration, which has been little regarded by the majority of those who have written on Food: the consideration of the profound differences which may result from simple differences in the state of substances. The chemist, in his elementary analysis, necessarily gives no clue to such differences. He tells us of what elements an article of Food is composed, but he cannot tell us how those elements are combined, nor in what state the substance is. Even when he has ascertained the real composition and properties of any substances, he has still to ask the physiologist what are the conditions presented by the organism in which this substance is to undergo chemical transformations. We know that a change in the conditions will cause a change in the manifestation of a force; so that often what ordinarily takes place in the laboratory will not at all take place in the organism. Chlorine and hydrogen are gases having a powerful affinity for each other—that is to say, they will unite when brought together in the daylight: but if we change the conditions—if we bring them together in the dark—their affinity is never manifested; and thus, while in the sunlight they rush together with explosive