audiences, soldom have I felt my heart so full, my powers well for ever. I thank the Governments under which I of expression so inadequate to the occasion as at the prosent moment. It is rarely that a General officer, upon relinquishing an important position, is so honored by kind sentiments and good feeling in the presence of so and good feeling in the presence of so and good feeling in the presence of so and good feeling you one and all, gentlemen, for the downright kindness and good feeling in the presence of so and good feeling you have always shown me and which many officers of that force he has been so long proud to I shall never forget.—(Applause). da I was aware that as the first British General officer who had ever been entrusted by a Colonial Government to command their national forces, I was in some measure adage, and it is to be greatly deplored that the 62nd Battalion an experiment, that the experiment has not been unsued cessful, I have the pleasure to feel, by the appointment of a successor at the termination of my term of services, and by the living proof of being the guest to-night of some many officers of the Dominion Militia. Gentlemen, it is had kindly volunteered to look after the interests of that reginet by the welcome accorded to a stranger mon first ment during its stay in this city, and Mr. Hall the Operator many officers of the Domimon Militia. Gentlemen, it is had kindly volunteered to look after the interests of that regiment by the welcome accorded to a stranger upon first arriving to occupy a prominent public position that his character is to be estimated, at is far more after being tried and proved and honored as I feel I am to-night at the eve of my departure that the happy reflexion comes home to the heart, that in whatever I may have failed the honest desire to do right to all around me has not gone altogether unrewarded in the estimation of those most competent to judge. Since I came among you, most competent to judge. Since I came among you, afforded an apportunity of making amends for the discomfort Queen and to the country and Government I have the suffered by the men of the 62nd, though the fault lay with honor to serve, and though in the position I occupy there honor to serve, and though in the position I occupy there others. is much that demands a careful discretion to modify the sterner discipline of regular armies, yet I trust I have but rarely everstept the bounds of that discretion; I have tried rather to perform the part of the old pilot, to stand by the holm in fair weather and in foul, and to keep the ship's head firmly towards her port while steering explosion. The follow with a steady hand as she ran her course. I must not further experiments:detain you, my friends, remembering how time presses and how many of you must speedily disperse to distant homes. When I look around and reflect how many of the present company could address you with more persuasivo eloquence I am reminded that as a soldier my pact. forte lies in action more than in contemplation, and that among them some one will thank you on their behalf sufficiently thick plate, at the same time maintaining a space better than I would, but I may repeat in taking leave of between plate and dynamite, plates of iron 0.17-inch (?) and you what I have said upon another occasion. that since of steel 0.23 inch thick will be found sufficient. my first landing on these shores, wherever I have traveiled in the wide and mighty region between the Atlantic on account of the addition of weight, and the impossibility of and Pacific coasts, wherever I have mingled with the protecting them from artillery fire, under which the armour people of this great country, in whatever circle or society would become an element of danger. I have had the honor to be admitted, I have always received the genial kindness and the cordia! welcome of a warmhearted and a loyal people, and I truct in the future I may again in England meet some of the kind friends 240 yards radius. whom I have made in Canada, and continue that cordial good fellowship that binds us together as the free and happy subjects of our most Gracious Sovereign. I feel a pride that my last public act in Canada should have been, upon this loyal anniversary, to command the troops to-day assembled upon the historic Plains of Abraham, where the events of bye-gone centuries have handed down to this generation, the Canada of to-day, inhabited by a nnited, prosperous and law abiding population. The pleasure we all felt to-day in doing honor to our Sovereign was enhanced by the presence of Her Majesty's represen ily, the Princess Louise and Prince Leopold. In His Excellency the militia will always have a powerful advocate and patron, in their welfare and progress His Excellency takes as warm an interest as in that of every important institution of this country. And now I must bid you adieu though I feel how hard it is to be parted from those among whom I have so long dwalt with see August 100 militial will be specially of Strawberries, Bananas, Pine applies, early asparagus, Green Peas, French Beans, Bermuda Tomatoes and Bermuda potations those among whom I have so long dwalt with see from those among whom I have so long dwelt with so much pleasure, yet more bitter indeed is the sorrow that flows when perhaps, to many I may now be saying fare-

have served, and the four Ministers of Militia under whom

GUNCOTTON.

Experiments in Austria, up to July, 1871, show that musket balls fired at short ranges against unfrozen dynamite caused its explosion. The following conclusions were arrived at upon

1. Frozen dynamite cannot be exploded by leaden balls hav-

ing a velocity not greater than 1,300 feet per second.

2. Unfrozen Jynamite placed behind and immediately in contact with an iron plate will explode from the shock of im-

3. Dynamite can be completely protected by the use of a sufficiently thick plate, at the same time maintaining a space

The idea of plating wagons was, however, abandoned, chiefly on account of the addition of weight, and the impossibility of

The main spread of splinters, &c., due to the explosion of a wagon containing 69 lbs. of powder and 92 lbs. of dynamite was 164 to 131 yards, but pieces fell beyond in a circle of about

PURVETOR TO HIS EXCELLENCY THE GOVERNOR GENERAL.

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Quebec, 1st March, 1880.

M. HOGAN,