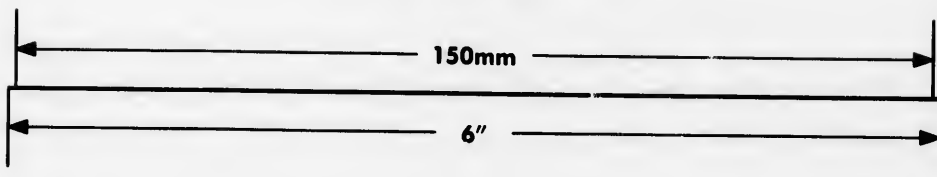
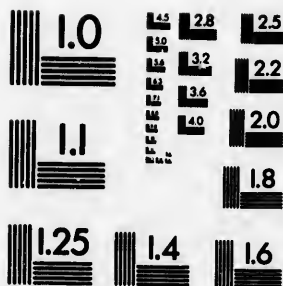
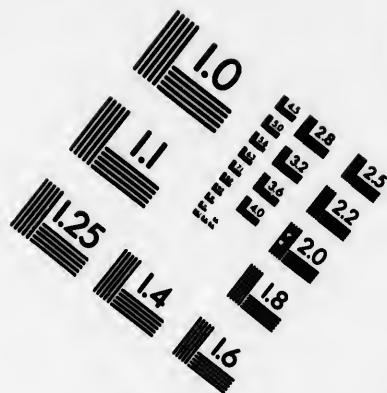
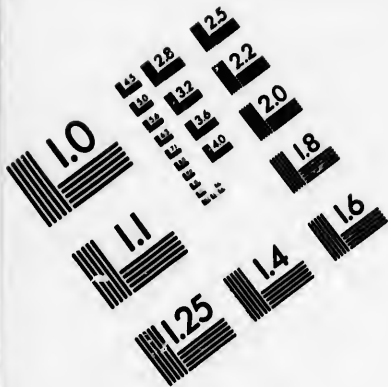


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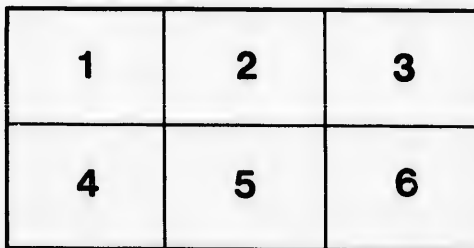
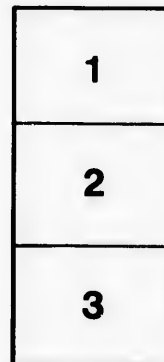
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# TESTIMONIALS

IN FAVOR OF

**ROBERT BELL, ESQ., CIVIL ENGINEER,**

*Of the Geological Survey of Canada, and Interim Professor  
of Chemistry and Natural History in Queen's  
University and College, Kingston,*

**AS AN APPLICANT FOR PERMANENT APPOINT-  
MENT TO THE CHAIR JUST NAMED.**

(FIRST SERIES.)

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[From Sir W. E. Logan, LL.D., F.R.S., F.G.S., Director of the Geological Survey of Canada.]

GEOLOGICAL SURVEY OFFICE,  
MONTREAL, 1st February, 1864.

MY DEAR MR. BELL,

As your present appointment in Queen's College is only *ad interim*, and I may possibly be absent when the Directors of the University may take into consideration whether it is to be made permanent, I am desirous of recording my opinion as to your fitness for the position, in order that it may serve as a testimonial in your favor, when the occasion may arise.

It gives me much pleasure to state that from the period at which you joined the Survey, seven years ago, up to the present time, you have displayed a uniform steady perseverance in the prosecution of those studies connected with geological science, which have rendered you skilful, both in observing in the field, and imparting instruction in the cabinet. You have as yet scarcely lived long enough to be equally practical in all the branches of science which you may be called upon to attend to in the professional chair; but in your geological explorations, it has been a part of your duty, successfully performed, to collect, name and classify botanical specimens; while mineral species have of necessity been constantly before you. You have not, on the Survey, been called upon to practice chemical analyses; but generally grounded in the theory of Chemistry, your ability and industry, your earnest scientific spirit, and your desire to excel in whatever you undertake, will soon enable you to overcome difficulties in this branch, should they occur.

Some, while admitting your ability, may hesitate to pronounce in your favor in consequence of your youth; but I have not considered you too young to entrust you with the independent control of the funds and men, necessary for distant explorations; and I have every reason to be satisfied with your prudent and economical management, and with the scientific results of your investigations, which have in every instance, greatly advanced our knowledge of Canadian Geology.

I am aware that you have already been successful in teaching Geology and its accessories in private classes, and should your position in Queen's College be made permanent, I am convinced that neither those who recommend nor those who appoint you will have cause to regret what they have said or done in your favor.

I am, my dear Mr. BELL,

Very truly yours,

W. E. LOGAN.

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[From J. W. DAWSON, LL.D., F.R.S., F.G.S., Principal, and Professor of Natural History, McGill University, and Author of *Acadian Geology*, *Archæia*, *Air-Breathers of the Coal Period*, etc.]

MONTREAL, January 28th, 1864.

I hereby certify that Mr. ROBERT BELL, while matriculated as a student in the course of Civil Engineering of this University, attended my lectures in Natural History, including Geology; and, at the close of his course, took honors of the first rank in the subject. Mr. BELL was at all times a diligent student, and showed much aptitude for the study of Natural History. Since his graduation he has successfully engaged in original investigations in Geology and other departments of Natural History, and has had some experience in teaching the subject.

I anticipate much from his future career as a Naturalist, and have much pleasure in recommending him as competent to give instruction to students, or to undertake original researches in the subject.

J. W. DAWSON, LL.D., F.R.S.,  
Principal, and Professor of Natural History,  
McGill University.

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[From E. BILLINGS, Esquire, F.G.S., Palaeontologist of the Geological Survey of Canada, and founder of the *Canadian Naturalist and Geologist*.]

MONTREAL, 1st February, 1864.

MY DEAR MR. BELL,

Understanding that you are an applicant for the permanent appointment to the Chair of Chemistry and Natural Sciences in Queen's College, I have much pleasure in testifying to what I know of your qualifications.

About seven years ago you became attached to the Geological Survey, and applied yourself with so much zeal, intelligence and perseverance to the study of the several branches of Natural Science, necessary to be understood by a Geologist, that you soon became competent to undertake the prosecution of important original explorations. I am aware that you executed your work in such a manner as to give satisfaction.

As your labors have been, to a considerable extent, connected with the department in which I am engaged, I can certify that you have a good, sound and practical knowledge of Natural History. And, as in all probability, the greater number of your pupils will be those who intend to remain in the country after leaving college, the information you are capable of imparting must be the more valuable that it has been principally accumulated in a Canadian field (so to speak), and is the result of your personal observations in different and widely separated portions of the Province, from Cape Gaspe to Lake Superior.

You have made extensive collections in all the formations of Canadian rocks, and are qualified to give that amount of instruction in Palaeontology usually taught in colleges—sufficient

to serve the purpose of any well-educated gentleman, and also sufficient to prepare any student, who may be desirous of proceeding further, to enter upon the long course of private in-door and out-of-door studies by which alone the specialities of this science can be mastered.

You have already had some experience in teaching Natural History and Geology in Montreal, and I am aware that your appointment as Lecturer in Morrin College was thought a good one for that Institution.

I need not speak of your private personal character, which is well known to be quite unexceptionable.

In conclusion, I may state that if I had a young friend to educate, I would gladly place him in your charge, and shall not hesitate to recommend others to do the same.

Yours very sincerely,

E. BILLINGS.

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BILLINGS.

[From ALEXANDER JOHNSON, M.A., LL.D., Professor of Mathematics and Natural  
Philosophy, McGill University.]

McGILL COLLEGE,  
January 29th, 1864.

I hereby certify that Mr. ROBERT BELL, Graduate in Civil Engineering of this University, attended the lectures and passed the examinations in Mathematics and Natural Philosophy required for that degree. I have much pleasure in adding that I had every reason to be satisfied with his attention, industry, and success in the pursuit of his studies.

I entertain a high opinion of his talents, and feel confident that they, combined with his other good qualities, will secure him a good position in the world.

His moral conduct and principles were, as far as my opportunities of observation extended, irreproachable, and his manners were such as to win respect and regard. These opinions of mine, formed during his College course, have been confirmed by further acquaintance with him, which arising then, has been continued to the present time.

I heartily wish him that success in life which I am sure he deserves.

ALEXANDER JOHNSON, M.A., LL.D.,  
Professor of Mathematics and Natural Philosophy,  
McGill University, Montreal.

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[Letter from ALEXANDER MURRAY, Esquire, Assistant Provincial Geologist.]

LOGAN'S FARM, MONTREAL,  
January 26th, 1864.

MY DEAR BELL.—

In answer to your note of 23rd inst., I can only say that I wish you every success in your vocation at Queen's College, not only as having been a fellow-worker on the Geological Survey, but also on your own personal account.

I can without hesitation, on my own experience, testify to your being an admirable observer in geological exploration, and also as being careful and minute in the illustration of geological details. And I would further state that since I have known you, you have always displayed a great amount of energy, industry, and perseverance, on whatever subject you happened to be engaged, accompanied by a wholesome show of praiseworthy ambition.

With many good wishes,

Believe me,

Very truly yours,

ALEX. MURRAY.

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[From the Rev. JOHN COOK, D.D., Principal of Morrin College, in reply to a telegram from Mr. BELL requesting to be released from his engagement as Lecturer in Morrin College, Quebec.]

DEAR SIR,

Morrin College will not stand in the way of your advancement, though *we are very sorry to lose your services* this winter.

Yours truly,

JOHN COOK.

31st Oct., 1863.

ROBERT BELL, Esq.,  
&c., &c.

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[From E. J. CHAPMAN, Esq., Ph.D., Professor of Mineralogy and Geology,  
University College, Toronto.]

Understanding that Mr. ROBERT BELL is a candidate for the vacant Chair of Chemistry and Natural History in Queen's College, Kingston, I have great pleasure in expressing my belief that he is well fitted for the post. His knowledge of the Natural History of Canada is very extensive; and he has undergone good training, and enjoyed unusual advantages, during his connection with McGill Collège, Montreal, and with the Geological Survey of Canada.

Three years ago, I stated, in a short notice of one of Mr. BELL's publications, that I believed him destined to occupy a distinguished place amongst Canadian naturalists; and his subsequent career has gone far to confirm this view. From what I have heard, moreover, of Mr. BELL's method of imparting instruction, I feel sure that if he obtain the appointment for which he is now an applicant, he will prove a most desirable acquisition to the College.

EDWARD J. CHAPMAN.

UNIVERSITY COLLEGE, TORONTO,  
February 4th, 1864.

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From ROBERT CRAIK, Esquire, M.D., Professor of Clinical Surgery, University of McGill College, etc.]

McGILL COLLEGE,  
MONTREAL, 3rd February, 1864.

*To the Governors and Trustees of the University of Queen's College, Kingston :*

GENTLEMEN,

Having been informed that my friend Mr. ROBERT BELL is about to apply for permanent appointment to the chair which he now holds as "interim professor" in Queen's College, I have much pleasure in testifying to his entire fitness for the office.

I have been intimately acquainted with Mr. BELL for a number of years, and have had ample opportunities of judging of his capabilities and acquirements, and I have no hesitation in declaring them to be of a high order.

Of his chemical acquirements I can speak in high terms. He followed the full sessional course of Chemistry in this University in 1858-59 under PROFESSOR SUTHERLAND, and he has since enjoyed excellent facilities for perfecting himself in the science.

During a number of years, when I officiated as Curator of the Natural History Society's Museum in this city, and particularly during the two years ending in May, 1863, the society was indebted to Mr. BELL for much and valuable assistance in arranging and classifying the specimens, contributing valuable papers to the monthly meetings, &c., &c.; and I may mention incidentally, that the Council of the society, through me, endeavored to secure the services of Mr. BELL to re-arrange and label their whole collection.

In conclusion, I would beg respectfully to remark, that Mr. BELL's clear and logical habit of thought, together with his well known zeal and industry, cannot fail to render him a most useful man in whatever station of life he may be called upon to fill,

I remain, Gentlemen,

Yours most respectfully,

**ROBERT CRAIK, M.D.,**  
Professor of Clinical Surgery,  
University of McGill College,  
&c., &c.

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[From J. F. WHITEAVES, Esq., F.G.S.; Honorary Member of the Ashmolean Society, Oxford, England; Scientific Curator and Recording Secretary of the Natural History Society, Montreal; Lecturer on Botany and Geology, etc.]

NATURAL HISTORY SOCIETY,  
MONTREAL, February 6th, 1864.

GENTLEMEN,

I have much pleasure in bearing witness to Mr. BELL's abilities as a Naturalist and man of science.

I have known him personally some three years, and I have often profited by his practical knowledge of Canadian Geology and Zoology. His knowledge of physical geology and of petrology I believe to be very considerable; and that he has studied Canadian Zoology to some purpose his communications to the "Canadian Naturalist" and various reports of the Geological Survey will abundantly testify.

His papers on the *drift* of Canada and on other subjects have earned for him great respect among the well-wishers to science in Montreal. At the last meeting but one of the Natural History Society, (at which Mr. BELL made a communication on the post pliocene deposits in Upper Canada), not only was he complimented by the President, Dr. DAWSON, but a special vote of thanks was accorded him, and a resolution was unanimously carried that "the Society hoped that Mr. BELL would continue to contribute to their Journal."

Mr. BELL is also very favorably known in Montreal as a most judicious and successful teacher of scientific subjects. This I can vouch for from actual knowledge.

In conclusion, I feel gratified by being able to record my most decidedly favorable opinion as to BELL's fitness for

AIK, M.D.,  
or of Clinical Surgery,  
ersity of McGill College,  
&c., &c.

the honorable post which he is desirous of obtaining; a position From  
in which I feel he would do full justice both to himself and to  
the University.

I remain,

Gentlemen,

Your obedient servant,

J. F. WHITEAVES, F.G.S.,

Honorary Member of the Ashmoëan Society,  
Oxford, England; Scientific Curator and Re-  
cording Secretary of the Natural History  
Society, Montreal.

THE TRUSTEES,  
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From CHARLES ROBB, Esquire, Mining Engineer; one of the Authors of *A Manual for Explorers, Ten Years' Progress in British North America, &c.*]

53, St. Francois Xavier street,  
MONTREAL, 4th Feby. 1864.

servant,

AVES. F.G.S.,  
the Ashmolean Society,  
Scientific Curator and Re-  
the Natural History

MR. ROBERT BELL,

DEAR SIR,

Having learned that you are a candidate for the Chair of Chemistry and Natural Sciences in Queen's College, which you have filled during the present session, I have much pleasure in bearing testimony to your fitness and high qualifications for that office.

Although my personal acquaintance with you has been but of recent date, I had long previously been aware of the zeal, enthusiasm and ability with which you had devoted yourself to the study and promotion of the physical sciences; and of the high estimation in which your attainments in those sciences were held by those best qualified to judge. Since I have had the pleasure of becoming acquainted with you, I have received ample confirmation of this favorable opinion; and as bearing more immediately upon my own pursuits, I would refer to your proficiency in the sciences of Geology and Mineralogy; and to the thorough practical knowledge you have acquired of all points relating to the Geology and Natural History of this Province.

From various papers read by you to the Natural History Society of Montreal on scientific subjects, and which I have had the pleasure of hearing, I should judge that you are not only well versed in all those subjects which will come within

your province, but also fully competent to impart your knowledge to others in a pleasing and attractive manner.

Trusting that you will be successful in your present application,

I remain,

Dear Sir,

Yours very sincerely,

**CHARLES ROBB,**  
Mining Engineer.

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LES ROBB,  
Mining Engineer.

[From GEORGE BARNSTON, Esq., late Chief Factor, Honble. Hudson Bay Company.]

MONTREAL, 4th February, 1864.

*To the Trustees of Queen's College, Kingston :*

GENTLEMEN,

Being informed that Mr. BELL, lately Assistant in the Geological Survey of Canada, is now a candidate for the permanent occupancy of the chair which he has been holding for some months back, in your University, I feel induced to give the young gentleman my best recommendation. In the various friendly meetings I have had with him, I have ever found him polite and obliging, and my intercourse with him on *scientific subjects* has been such as to produce in me the most favorable impressions both of his talents and character.

With much respect,

I am, Gentlemen,

Your very obdt. servant,

GEO. BARNSTON.

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[From T. STERRY HUNT, Esq., M.A., F.R.S., F.G.S., Professor of Chemistry in the Arts Faculty of McGill College, Montreal, and of Chemistry and Geology in Laval University, Quebec.]

MONTREAL, Feb. 4th, 1864.

MY DEAR MR. BELL,

I have received your letter, in which you ask my opinion as to your fitness for the Chair of Natural Sciences at Queen's College. During your connection with the Survey, I am aware that you showed both zeal and ability in geological investigations, and that we had much reason to be satisfied with the work done by you. I am also aware that you bestowed time and attention on the study of our native fauna and flora. The opinions of Sir W. E. LOGAN and of Dr. DAWSON on your attainments in these branches of science you will doubtless receive.

As to Chemistry and Mineralogy, you are aware that I have had no opportunity of judging of your proficiency in these branches, but from the advantages which you enjoyed in following the courses of Chemistry by Drs. SUTHERLAND and DAWSON, you should be well grounded in elementary Chemistry, and able to teach its principles with success. I am persuaded that, with your well known industry and zeal, you will be able to follow up these various branches of science so as to perform the duties of your new position in a manner satisfactory to your students.

I remain, my dear Mr. BELL,

Very sincerely yours,

T. STERRY HUNT.

ROBERT BELL, Esq.

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[From JOHN SMITH, Esq., Alexander Street, Montreal.]

MONTREAL, 3rd February, 1864.

ROBERT BELL, Esq.,

DEAR SIR,

Having had the pleasure of your acquaintance for several years, it affords me much satisfaction to give you my testimony to the high appreciation I have of your character. I feel assured your Christian principles, sobriety, industry, and perseverance, will enable you to be useful in all the relations of life, and give you a firm hold of any study you may adopt in your future career.

With my best wishes for your success,

I am, Dear, Sir,

Yours truly,

JOHN SMITH.

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[From Wm. NOTMAN, Esq., M.P.P., Queen's Counsel, &c.]

DUNDAS, 5th February, 1864.

MY DEAR SIR,

I hear you intend being a candidate for the Chair of Chemistry and Natural History in Queen's College, and sincerely trust you may be successful in your application. Although not old in years, you have displayed a degree of talent and ability of which older heads might be proud. Your contributions made at various times to the Provincial Geological Reports, speak well of the research and deep study you have devoted to the cause of science.

During my parliamentary residence at Quebec, I have heard, among my brother members, your name, as to talent, spoken of in the most flattering terms. Your connexion with the Provincial Survey and association for so long a time with that eminent man, Sir WILLIAM LOGAN, have given you many superior advantages which others have not had, and no doubt would much tend to your benefit.

Should you succeed to the high position you aspire to, I shall be happy to hear that you have been selected, and feel confident that you will be quite competent to discharge, in an able and satisfactory manner, the duties devolving upon you.

Sincerely yours,

WM. NOTMAN.

Mr. ROBERT BELL.

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[From the Reverend WILLIAM SNODGRASS, Minister of St. Paul's Church, Montreal,  
Synod Clerk, etc.]

With Mr. ROBERT BELL, acting Professor of Natural History and Chemistry in the University of Queen's College, Kingston, I have been acquainted for a number of years, during several of which he sat regularly, while resident in Montreal, in the Church of which I am Minister. It gives me very great pleasure to express the high opinion I have formed of his attainments, studious habits, genial disposition, and moral character.

Others, whose testimony will have weight, will certify his familiarity with the subjects pertaining to the Professorship, to the permanent occupancy of which he aspires. In his fitness for the office I have the fullest confidence.

W. SNODGRASS,  
Minister of St. Paul's, Montreal.

THE MANSE OF ST. PAUL'S,  
MONTREAL, 3rd February, 1864.

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[From Revd. A. F. KEMP, M.A. ; Minister of St. Gabriel Street Church, Montreal ;  
one of the Editors of the *Canadian Naturalist and Geologist*.]

MONTREAL, 6th February, 1864.

I have known Mr. ROBERT BELL for now several years, and had an opportunity of witnessing his successful devotion to Natural Science while he was engaged under Sir WILLIAM LOGAN as an assistant in the Geological Survey of Canada. Although during that time his attention was specially directed to the department of Geology, in which he acquired great proficiency, he yet took every opportunity of investigating the Zoology and Botany of the districts of country which from time to time he visited. His collections of the Fauna and Flora of many comparatively unknown portions of Canada manifest a measure of enthusiasm and careful observation, and marked him out as possessing natural talents as well as acquired gifts for the acquisition of a thorough knowledge of the most difficult of the Natural Sciences.

I have also had opportunities as a member of the Council of the Natural History Society of Montreal, and one of the Editors of the *Canadian Naturalist*, of carefully examining papers on Natural Science contributed by Mr. BELL, and read before that Society and published in their Journal, and can bear testimony to the thoroughness with which the topics were treated, and the simplicity, strength and clearness of his style of communicating his observations.

From the manifest inclination of Mr. BELL's mind to the pursuits of Natural Science, the time he has devoted to their study under the best teachers and with the best opportunities, the vigor and clearness of his mind, and the unimpeachable

integrity of his character, I consider Mr. BELL well qualified to occupy the place of teacher of Natural Science in any of our University Colleges, and would anticipate that were he appointed to any such honorable position, he would *amply* justify the confidence reposed in him, and the opinion formed of his abilities and attainments.

ALEX. F. KEMP.  
Minister of St. Gabriel Street Church.

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[From JOSEPH GREEN, Esq., B.A.; Chapman Medallist, McGill University; Professor of Mathematics, St. Francis College, Richmond, C.E. (affiliated to McGill University.)]

MELBOURNE, C.E.,  
Feb. 5th, 1864.

These are to certify that Mr. ROBERT BELL has been known to me several years, both while he was a fellow-student at the University and since, that his attainments especially in the departments of Natural Sciences have been considered of a high order, and I believe justly so, that his moral character is without reproach, and that in other respects, I believe him to be worthy of much esteem.

I have resided for the past three years in the Eastern Townships of Lower Canada, a mining region, and I have the means of knowing that Mr. BELL's opinion as to mining locations is considered of much value, having been found to be correct, so far as I know, wherever a test has been made.

In a word, and I believe I express the opinion of all who are intimately acquainted with him, I consider him eminently qualified for the position he now seeks as Professor of Chemistry and Natural Sciences in Queen's College.

JOSEPH GREEN, B.A.  
Professor of Mathematics,  
St. Francis College, Richmond, C.E.

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[From Revd. GEORGE D. FERGUSON, B.A., Minister of St. Andrew's Church,  
L'Original.]

L'ORIGINAL.

MY DEAR MR. BELL,

I am a little late in congratulating you on your appointment to the Chair in Queen's University vacated by Dr. LAWSON, but my congratulations are not the less sincere. I cannot but say this, I think the appointment a very happy one both for yourself and the University, and I am sure the TRUSTEES will be very ready to confirm it. Your youth could be the only objection, and it is an objection only too soon obviated, and the constancy and earnestness with which I know you have devoted yourself to the studies of this department, make you already old in it.

With kindest regards,

Yours sincerely,

GEORGE D. FERGUSON.

[From WILLIAM

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[From WILLIAM E. BULLOCK, Esq., B.A., Chapman Medallist, McGill University.]

MONTREAL, Feb. 6, 1864.

*Governors of Queen's College :*

GENTLEMEN.

I am informed that Mr ROBERT BELL, a graduate of McGill University, has been spoken of in connection with the Professorship of Chemistry and Natural History in your College.

I was a fellow student of Mr. BELL's, and remember that he had the reputation of being the best student in Natural Science that had ever been at the University, and his subsequent honorable connection with Sir WM. LOGAN and the Geological Survey has fully established that reputation.

At graduation, first rank honors were awarded to him, and also the prize in Engineering. In the third year's ordinary Mathematics and Natural Philosophy he was also ranked in the first class.

From what I know of Mr. BELL's ability, discretion, and persevering activity, I should expect him to be eminently successful in any position which he would be willing to accept.

Yours truly,

WM. E. BULLOCK.

