CONTRACT, SPECIFICATION

AND

SCHEDULE OF PRICES

OF

# DEPARTMENTAL BUILDINGS,

## OTTAWA CITY, C. W.

QUEBEC:
PRINTED BY GEORGE DESBARATS,
Printer to the Queen's Most Excellent Majesty.

1863.

# CONTRACT, &c.

OF

# DEPARTMENTAL BUILDINGS.

## OTTAWA CITY, C. W.

---

This Indenture made the Eighteenth day of April, in the year one thousand eight hundred and sixty-three,

**Between** Ralph Jones, of the Town of Port Hope, in the County of Durham, Esquire, Edward Haycock, of the same place, Esquire, and Thomas C. Clarke, of the same place, Civil Engineer, carrying on business as Contractors for building, under the firm of Jones, Haycock & Co., and hereinafter throughout designated as "The Contractors," of THE FIRST PART; and Her Majesty Queen Victoria, represented herein by the Honorable the Commissioner of Public Works of the Province of Canada, hereinafter throughout designated as "The Commissioner," of THE SECOND PART.

**Whereas** by Her Majesty's Commission under the Great Seal of the Province of Canada, bearing date the 21st day of June, in the year 1862, certain persons were appointed Commissioners to enquire into matters connected with the Public Buildings at the City of Ottawa, and to report thereon. AND WHEREAS the said Commissioners have in pursuance thereof made their Report, and the same has, by order of His Excellency the Governor General, been laid before both Houses of Parliament of this Province, and the said Commissioners in their said Report, amongst other things, recommend that the whole work yet to be done, so far as is absolutely necessary for the occupation of the said Public Buildings, be vigorously

carried on, and that such work should be continued and done by the same parties who had done the work which has already been done, and that the said work should for this purpose be offered to the former respective Contractors at the prices mentioned in the Estimates of work to be done, which, if accepted by them, the said Contractors, should be the basis of new Contracts on their parts with the Government, but on condition that any brick work, originally bad, should be replaced by them, at the expense of the said then present Contractors. AND WHEREAS certain buildings at the City of Ottawa, hereinafter throughout designated as " The Departmental Buildings," and intended for the use and accommodation of the several Public Departments of Her Majesty's Civil and Militia Service of Canada, and of the Officers and Servants thereof, form portion of the Public Buildings mentioned in the Report of the Commissioners, hereinbefore in part recited. AND WHEREAS the completion and performance of the work yet to be done in and upon the " Departmental Buildings," so far as is absolutely necessary for occupation as aforesaid, has, in pursuance of and on the terms mentioned in the said Report, and hereinbefore recited, been offered to and accepted by the said former Contractors who are now the present Contractors under these presents for the said Departmental Buildings. AND WHEREAS for the purpose of carrying the same into effect, Plans and Specifications have been prepared for the buildings, (hereinafter throughout designated as "The Departmental Buildings,") and the Schedule of Prices to be allowed for the work thereon, hereunto annexed marked B and forming part of this Contract, have also been prepared by and according to which and according to no other basis or scale whatever the Contractors are to be paid as hereinafter mentioned :

**Now this Indenture Witnesseth,** that in pursuance of the said Agreement and premises and in consideration of the sums of money hereinafter covenanted by Her Majesty, to be from time to time paid by Her Majesty to the Contractors, in manner hereinafter mentioned, they, the Contractors, do and each and every two of them do and doth hereby for themselves and for any and every two of them, and also for himself, and for the Heirs, Executors, Administrators

and Assigns, of themselves and of any and every two of them, and also of each one of them, respectively, jointly, all three of the said Contractors and any two of them jointly---and all or any one of them severally, covenant, promise and agree to and with Her Majesty the Queen, Her Heirs and Successors, in manner following, that is to say :

1. The Contractors shall well and truly and faithfully build, erect, construct, complete and finish in the best and most workmanlike manner in every respect, and of the best materials of their several kinds, including the fire-proofing of the whole thereof, and to the satisfaction of the Commissioner, the Departmental Buildings now partly built, erected, and placed in and upon portion of the land known as the Barrack Hill, in the City of Ottawa, so far as is absolutely necessary for the occupation of such Buildings by the Government or Departmental officers, and according to the plans and specifications thereof, respectively, and which plans and specifications as to such Departmental Buildings are signed by Thomas Fuller and Charles Baillargé, Architects, and by the Contractors and the plans whereof so signed are deposited of record in the Department of Public Works, and the specifications whereof so signed are hereunto annexed, marked A, and which said paper A is to be construed and read as part hereof, and as if embodied in and forming part of this contract, and further that the Contractors in the erection, construction and completion of the said Buildings, respectively, and in every matter or thing connected therewith, or incident or relative thereto, shall be guided and bound by such further working detailed plans and instructions as may from time to time be furnished and supplied to them by the Architects in charge.

2. The Contractors shall and will preparatory to or in course of erection and completion of the works embraced in this contract, make and complete all necessary excavations, and shall find and supply all necessary and proper scaffolding, materials, tools, implements, and plant of whatsoever kind or description for the erection, construction and completion of the said works and every part thereof, and which shall be vested in and belong to Her Majesty until the completion

of the work, when the same shall revert to the Contractors, and shall also find and work and temporarily place such examples of the work, or moulds, or patterns thereof in experiment, to test the style or effect, and from time to time shall alter, vary or renew the same as the Superintendent and Architects in charge may require ; and further, that all materials for the said work now on the ground shall before being used be inspected and approved of by the Superintendent and Architects in charge, and any materials disapproved of and rejected by the said Superintendent and Architects, shall not be used in the work, and shall be thence forthwith removed from the ground, and if not removed by the Contractors, when directed by the Superintendent and Architects, then the same shall be removed by the Superintendent and Architects, to such place as they may deem proper at the cost, charge and risk of the Contractors, and it is expressly agreed and declared that no further materials of any kind shall be brought upon the ground by the Contractors, their servants or agents, without and until a written order signed by the Superintendent and Architects, shall be delivered to them to perform the necessary work for which such materials may be required, nor shall any such materials so brought upon the ground be delivered or laid down or accepted unless and until the same have been specially inspected and approved of by the Superintendent and Architects, and all such materials so brought upon the ground without such written order by the Superintendent and Architects, to perform work which necessarily requires such materials to be furnished by the Contractors, or which may be laid down without such inspection and approval shall be liable at any time thereafter to be ordered by the Superintendent and Architects to be removed from off the ground by the Contractors, and if they refuse so to remove the same, the Superintendent and Architects shall have the same removed at the expense of the Contractors, but any such inspection and any approval of materials shall not in any wise subject or make liable Her Majesty to pay the Contractors for the said materials so approved or any portion thereof, unless employed or used in the said works, nor prevent the rejection afterwards of any portion thereof, which may prove or turn out at any time before the final completion of

this contract to be unsound or unfit or improper to be used in the works, nor shall such inspection be considered as a waiver of objection to the work or any part thereof, on the account of unsoundness or imperfection of the material used.

3. The Contractors shall forthwith immediately commence the works embraced in this contract, and shall proceed with the same from time to time, under the supervision, examination, and entire control of and at such rate of progress as in the opinion of the Superintendent and Architects in charge of the same respectively may be requisite or proper, and the same buildings respectively, and every part and parcel thereof, shall be fully, thoroughly, and entirely completed in their several particulars, and given up under final certificate, and to the satisfaction in all respects of the Commissioner and of the Superintendent and Architects in charge thereof respectively.

4. In case the Contractors shall fail to proceed with all and every description of the works at the time and times and with the speed which shall appear reasonable to the Superintendent, towards completing the Departmental Buildings, the Contractors shall forfeit all right, claim or demand to the sum of money or percentage hereinafter agreed to be retained by the Commissioner, and any and every part thereof, as also to any moneys whatever on account of this contract, which may be at the time of the failure of the completion as aforesaid, due or owing to the Contractors, and that the Contractors shall also pay, or cause to be paid to Her Majesty, as liquidated damages, and not by way of fine or penalty, the sum of $200 for each and every week, and the fractional part of such sum for every part of a week for which the works within this contract or any portion thereof may remain incomplete, or for which the certificate of the Superintendent and Architects in charge of the said works respectively, of the completion of the said works or any part thereof may be withheld, and the Commissioner may deduct and retain in his hands such sums as may become due as liquidated damages, from any sum of money then due or payable, or to fall or become due or payable thereafter to the Contractors.

5. In case of inclement weather occurring which, in the opi-

nion of the Superintendent and Architects in charge of the works, respectively, may be detrimental thereto, whether during the progress of the works, or during the period when the works may be suspended, in whole or in part, by the Superintendent and the Architects in charge of the said works, respectively, for the winter season or otherwise, such precautions shall be taken by the Contractors at their own outlay and cost, and without any charge or claim in respect thereof, as may in that view be directed by the Superintendent and Architects in charge, and that any such directions of the Superintendent and the Architects in charge shall not be taken or held in any manner, whatsoever, to involve Her Majesty in any responsibility in regard to the preservation of the work, and further, that if the Contractors fail in such precautions, the same may be adopted by the Superintendent and the Architects in charge, and the Commissioner may deduct and retain in his hands, out of the percentage herein mentioned or out of any moneys which might otherwise at any time become or fall due to the Contractors all such sums of money, damages and expenses as shall have been incurred, defrayed or expended in the adoption of such precaution as aforesaid.

6. The Contractors shall insure and keep insured until the completion and final certificate of the Superintendent and Architects in charge of the completion of the entire works, in the office of one or more Fire Insurance Company or Companies which shall, as to the reliability of such Company or Companies, be approved by the Commissioner, the whole of the works herein contracted to be erected, and such of the materials as are of an inflammable nature, and may have been worked up ready for use, to an amount of at least 25 per cent. on the value of the same respectively as certified from time to time by the Superintendent and Architects in charge, and shall also from time to time vary, change, or renew such amount, or office of insurance, and assign and transfer any policy or policies to Her Majesty, and deliver the instruments thereof to the Commissioner ; and that in failure of the Contractors at any time or times to insure the buildings and materials as aforesaid, or to vary, change, or renew the amount or office of insurance, or to assign, transfer and deliver the same as above mentioned,

then and in every such case the Commissioner may insure or cause to be insured in the name of Her Majesty, the said buildings and materials, as the case may be at a similar rate or value as hereinbefore mentioned, and may deduct and retain in his hands out of the percentage herein mentioned, or out of any moneys which may otherwise at any time become or fall due to the Contractors, all such sums of money and expenses as shall have been so incurred, defrayed or expended by the Commissioner for such purposes, and may at all times thereafter keep up the said policy or policies at the expense of the Contractors.

7. On failure of the Contractors to proceed with the works herein contracted for at the time and in the manner hereinbefore respectively mentioned, the Commissioner shall have full power to carry on the same in such manner, ways and time as to him shall seem expedient, and to use all the plant, scaffolding, machines, machinery and other conveniences and apparatus for building which may be upon the ground free of any charge therefor, and the Contractors shall be liable for and shall pay or cause to be paid to Her Majesty all salaries or wages which shall become due to the Architects in charge, Clerk of Works, or subordinate person or persons superintending the work on behalf of the Commissioner, from the periods hereinbefore named for completion of the works respectively up to and until the said works shall actually be completed and received; and the Commissioner may deduct and retain in his hands out of the percentage herein mentioned, or out of any moneys which may otherwise at any time become or fall due to the Contractors, all such sums of money and expenses as shall have been so incurred, defrayed or expended by the Commissioner for such purpose, or the Commissioner may recover the same from the Contractors in an action, in the name of Her Majesty, as moneys paid for and on account of the Contractors.

8. The care of the works under this Contract, and of every part thereof, and of the materials, tools, implements, and everything belonging or appertaining thereto, shall be entirely at the charge of the Contractors, and they shall be liable and responsible for all loss, damage, detriment or injury that may

arise or be sustained, during the progress of the works, and until the said works under this Contract shall have been certified by the Superintendent and Architects in charge as complete and have been delivered to and received by the Commissioner on the part of Her Majesty; and further, that in the event of any loss, damage, detriment or injury, the property so lost, damaged, deteriorated or injured, shall be replaced, reconstructed, restored, renewed, or amended, as the case may be, by the Contractors, to the satisfaction of the Commissioner, or of the Superintendent and Architects in charge; and further, that if the Contractors fail in the replacing, reconstruction, restoration, renewal or amendment of such lost, damaged, deteriorated or injured property, the same may be so replaced, reconstructed, restored, renewed or amended by the Commissioner, and the Commissioner may deduct and retain in his hands, out of the percentage herein mentioned, or out of any moneys which may otherwise at any time become or fall due to the Contractors, all such sums of money, and expenses as shall have been so incurred, defrayed or expended by the Commissioner for such purpose, or the Commissioner may recover the same from the Contractors as in the seventh clause mentioned.

9. If it shall at any time appear to the Commissioner that the establishment, or the rate of progress at, in and upon the said works, or any part of them or of any work or matter incident to the same, or in any way connected therewith, is not satisfactory, or such as to ensure the completion of the same respectively within the time hereinbefore mentioned, or on failure or breach by the Contractors of any matter or thing herein contained on the part of the Contractors to be done or performed, or if the Contractors shall at any time or times neglect or refuse to carry on this contract or any part of it, or to supply requisite and proper scaffoldings, tools, implements or plant, or materials, or are unable to carry on the same, then and in any of such cases the Commissioner may forthwith, after having given six days notice to the Contractors of his intention so to do, and without any process or suit at law, or other legal proceeding of any kind whatever, or without its being necessary to place the Contractors *en demeure*, either absolutely take the works or any part thereof out of the hands of the Contractors, and relet

the same without the necessity of previous advertisement, or employ additional workmen, and provide materials, tools, implements, and all other things requisite for the completion and performance of the contract at the expense of the Contractors who shall in either case be liable for all damages and extra costs and expenditure which may be incurred by reason thereof; and if such damages, extra costs and expenditure exceed in the whole the sum due to the Contractors under this Contract, then Her Majesty may recover of and from the Contractors the balance or excess over and beyond the said sum.

10. If any overseer, mechanic or workman employed on or about the works, or any person be incompetent to perform the work or duties required of him, or give just cause of complaint, the Contractors shall immediately, upon the application of the Superintendent and Architects, dismiss such person or persons forthwith from the works, and he shall not be employed again thereon without the written consent of the Superintendent and Architects, and should the Contractors continue to employ such overseer, mechanic or workman, the Contractors shall pay to Her Majesty, Her Heirs and Successors, the sum of $20 as liquidated damages and not of fine or penalty, for each and every day during which such overseer, mechanic or workman shall be employed on the works after such application for his dismissal as aforesaid, and the Commissioner shall have the same power of retaining such sums as may become due to Her Majesty under this clause, or of enforcing payment thereof as are given and expressed in the seventh clause of this contract.

11. That whenever and so often as it may be necessary for the Contractors to co-operate with any person contracting for supplying or placing the apparatus for heating the Buildings, the Contractors shall diligently and under the directions of the Superindent and Architects in charge, perform all such work as shall be requisite or proper on the part of the Contractors for building in, securing and placing in proper position the flues or other apparatus required for heating, in a proper and secure mode, and to prevent the possibility of accident by fire therefrom, without any extra charge therefor, and shall be bound in all things to conform to the direction of the Commissioner, touching such work.

12. No discrepancy or error shall be taken advantage of by the Contractors, but when any discrepancy exists between the dimensions as indicated by the scale of any drawing and the dimensions marked in figures on the plans or on any drawings which may be from time to time supplied by the Superintendent and Architects to the Contractors for the purpose of working therefrom, the figures are in all cases to be considered correct; and if there should be any discrepancy between the figures or dimensions or the form of the construction or of the material as indicated by the plans or drawings, and the dimensions and descriptions given in the specifications, the directions of the Commissioner or the Superintendent and Architects in charge shall be adopted in reference to such discrepancy, and shall be binding and conclusive on the Contractors, and the Contractors shall be paid for the work actually done, and at the Schedule prices.

13. In all cases of defective description or delineation in either the plans, drawings, or the specifications, the explanation given by the Commissioner or the Superintendent and Architects in charge shall be received, and shall be final and binding on the Contractors, and whenever neither the plans, drawings, nor the specifications contain any notice of minor parts, the intention to include which is nevertheless in the opinion of the Commissioner or of the Superintendent and Architects in charge clearly to be inferred, and which minor parts and detail are common, usual and proper on workmanship of a similar character, and which are obviously necessary to the due completion or stability of the work; all such parts and the necessary materials therefor, or the necessary tools and implements for working up the same are to be found and completed, provided and fixed by the Contractors, and are to be considered as included in this contract, it being the intention of this covenant that all such work of every kind as may be necessary for completely finishing the works proposed, so far as the same may be necessary for occupation as aforesaid, in the best and most workmanlike manner, and for the rectification of any failure from whatever cause arising, and the well maintaining, sustaining and supporting the whole of the works, as well as any and whatever change, alteration and addition that

may be made thereon, so that the whole may remain sound and firm as implied in the plans, specifications and drawings, heretofore mentioned, shall be considered as included in the Contract as aforesaid, although the same are not herein specifically expressed.

14. That in case any difference of opinion shall at any time arise as to the construction to be put upon any part of the specifications hereunto annexed, or of the plans or of the drawings to be from time to time furnished by the Architects in charge, to the Contractors, or as to the construction of this Deed of Covenant, or any part of it, or as to the duties, obligations, contract, and agreements of the Contractors, or of Her Majesty thereunder, the same and every difference of opinion of what nature or kind soever, and how often soever, the same may arise or occur, or be reported or renewed, shall be determined by the Superintendent and Architects alone, without the possibility of any interference of any person or persons soever, and without any objection, on the part of the Contractors, to such a course, and any or every determination of the Superintendent and Architects, on any such difference of opinion as heretofore mentioned, or as may by possibility arise within this Contract, shall be final and conclusive, and binding upon the Contractors without any appeal therefrom whatsoever. But nothing herein contained shall prevent the Commissioner from reviewing any such determination of the Superintendent and Architects if he shall desire so to do, and of modifying, altering or revoking the same by any writing under his hand to such effect, or of making any reference under the Statute on the completion of this Contract if he shall desire so to do.

15. That the Contractors shall not in any way directly or indirectly sell, dispose of, relet, assign, transfer sublet or part with to any person or persons whomsoever, either entirely or partially and jointly with themselves or in any other manner or way howsoever, this contract, or any part thereof, or any portion of the work embraced herein, or to be performed hereunder, or which without being distinctly and specially mentioned herein may yet be rendered necessary for the full and proper completion of the contract, without the consent in writing of the Superintendent and Architects.

16. The Contractors shall and will, within the period of two months from the date hereof, and at their own cost, charges and expense cut out and remove from the Departmental Buildings, such brick or other work wherever the same may have been heretofore placed or built in the same as has been adjudged, or may on the resumption of works under this contract be by the Superintendent and Architects adjudged to have been originally bad, deficient or defective, or of inferior and improper quality, and shall also, at their own cost, charges and expense as aforesaid, replace and renew the same in the best and most workmanlike manner, and of the best materials of the kind to be used in such respects, and subject to the approval of the Superintendent and Architects.

17. The Contractors shall furnish all necessary scaffolding and assistance, free of charge, for the measurers, and for all due inspection of the work, during the progress of the works, and at their final completion, otherwise they shall be liable for the cost thereof; and they shall not remove any scaffolding at any time if desired by the Superintendent and Architects not to do so.

18. The items of work enumerated in the Schedules of prices annexed, are not to be considered as binding upon, and shall not in fact bind Her Majesty or the Commissioner to perform or execute such work; but only such portions of the same shall be done as shall be ordered, in writing, from time to time, by the Superintendent and Architects, and the Contractors shall not be entitled to claim damages for any portion of the works ordered by the Commissioner to be altered or dispensed with, notwithstanding such work may have been contemplated in the original designs and plans.

19. The class or kind of materials and workmanship, mentioned in the specifications, may be altered, varied or abandoned, without extra charge in price or mode of measurement, or any compensation therefor, beyond the prices and mode of measurement set forth in the Schedules annexed, applicable to such varied or altered work.

20. In case it is found necessary during the progress of the

work, to have work done for which the Schedule of prices does not provide, the Superintendent and Architects shall determine the value and rate of such work, according to the scale in the annexed rate of charges mentioned, and if such scale do not provide expressly for such works, then the allowance shall not be less than on a proportionate scale on the rates in the Schedule annexed hereto ; and an order, in writing, signed by them all individually and stating such value and rate, shall be delivered to the Contractors before such work shall be allowed to be commenced ; and the Contractors shall, upon the delivery of such order, be obliged to do the work therein mentioned, and at the value and rate therein also mentioned, as work expressly contracted by them to be done under this contract.

21. The Contractors shall carefully remove all covering up and protection of the walls and other portions of the works which now are or which may hereafter at any time be covered up or protected against the weather or otherwise, at their own expense.

The present materials used in the covering and protection to be carefully piled by the Contractors at their own expense, and to remain as they are at the present, the property of Her Majesty.

The Contractors shall also, at all future times, upon the order, in writing, of the Superintendent and Architects, and at their own expense, and with their own materials, cover up and protect the walls and works against the weather or otherwise, as the Superintendent and Architects may so direct.

22. Before any new work is commenced under this contract, the height and length of all walls already built and not carried up to their finished levels, and also the progress already made in all of the other walls and works which are to be added to, continued or completed, under this contract, shall be carefully entered in a book, to be kept in the possession of the Superintendent, for the purpose of affording for the future, the true level and data from which all future measurements are

to be made ; and such entry shall be signed by the measurers and contractors to prevent all dispute as to the point, part or level from which such new work is to be measured, and the same shall be conclusive upon all parties to this contract.

23. In this book shall also be duly entered the future monthly progress of the work, for the satisfaction and information of the Commissioner, Superintendent, Architects and other government officers.

24. Every order required to be given or delivered to or for the Contractors must be in writing, and signed by the persons authorized to make or give the same ; and no verbal order of any kind, whether acted upon by the Contractors or not, shall be binding upon Her Majesty or the Commissioner, or any other officer of the government, in any manner whatsoever.

25. The work prepared for the buildings and the building materials now on the ground belonging to the Contractors, and which have lately been estimated by the Commissioners appointed under commission as aforesaid, at the sum of $62,459.09 shall be taken by the Contractors, and are hereby accepted by them at the Commissioner's value as aforesaid ; subject to the lien of Her Majesty thereon, for any claim whatever there may be for advances made to the Contractors or otherwise ; and that as each monthly certificate is given to the Contractors for the estimate of work done on the building, [which will of course include the materials also,] there shall be deducted from such monthly certificate one-fourth of the amount of the certificate for or in respect of the said materials, until the whole valuation of the said work prepared and materials has been paid to Her Majesty.

26. Provided, always, that no part of the said work prepared and materials furnished, shall be used by the Contractors in the buildings, unless and until the same have been first inspected and fully approved of by the Superintendent and Architects, as fit and proper for the purpose.

27. And provided also, that if it afterwards appear that the said deductions, amounting to the said sum of $62,459.09,

should not have been made, then the said amount, or such part thereof, as it shall appear, should not have been so deducted, shall be repaid to or allowed again to the Contractors.

28. In all cases where any written order, estimate, certificate, report or other document is required to be made or signed by the Superintendent and Architects, it shall be sufficient, if it be so signed by the Superintendent and one of the said Architects, in case the other of the said Architects disagrees thereto, or is absent from sickness or other cause ; and if he disagrees thereto, he shall state the reason of his disagreement on the said document, and shall sign the same.

29. That any notice or other paper connected with this contract which may be required or desirable on the part of Her Majesty, may be served on the Contractors either at his or their usual domicile, or at his or their usual place of business at the city of Ottawa, by being left at the Post Office, and any notice or other paper so addressed and left at the Post Office, shall to all intents and purposes be considered legally served upon them, and as if it had been personally served.

**And** the Contractors and Her Majesty the Queen do, and each of them doth hereby further mutually covenant, promise and agree the one with the other of them, the contractors for themselves, their heirs and executors, administrators and assigns as aforesaid and Her Majesty for Herself, Her Heirs and Successors in manner following, that is to say :

That payment of any sum of money which may be made to the Contractors by Her Majesty under this contract, will be so made according to the provisions of the Act of Parliament of this Province passed in the 2nd Session of the 22nd Vic. chap. 3, sect. 18, and within ten days after an estimate of the Superintendent and architects in charge shall have been received by the Commissioner, specifying the amount of work done according to the terms and conditions of their contract during the month then ending, but nevertheless the Commissioner on behalf of Her Majesty shall withhold from the contractors and retain ten per cent out of the amount of the estimates until the perfect completion and acceptance by the Commissioner of the

work, to insure the final completion of the work and to be laid out by the Superintendent in the reparation or completion of the work, if the contractors shall fail fully to repair or finish the same, which ten per cent so withheld and retained, shall be paid with the last instalment within ten days after the architects in charge shall have delivered to the Commissioner their final or last certificate or estimate of the work performed and the materials furnished, in virtue of this contract, with detailed measurements, weights and other quantities, and his or their certificate of the work having been fully completed and finished to their satisfaction if the Commissioner shall so soon have accepted and approved of the work ; and that in forming their final or last estimate, the Superintendent and Architects in charge shall not be bound or governed by the preceding monthly estimates, which shall be considered and taken for the purpose of the last or final certificate as approximates certificate only, and such certificates shall be conclusively binding on the contractors and there shall be no appeal therefrom. And it is expressly declared that the monthly payments and every other payment to be made under this contract for all work done under this contract, shall be made to the Contractors as hereinbefore mentioned, upon the basis of the schedule of prices hereunto annexed, marked B, and upon none other basis or scale ; and further, that the presentation of the monthly estimate of the Superintendent and Architects in charge shall not of itself entitle the Contractors to demand payment of the amount to be paid as hereinbefore mentioned.

That notwithstanding any thing herein contained, Her Majesty or the Commissioner may change the present or any other Superintendent and Architects and appoint another or others in his or their stead during the continuance of this contract, who shall respectively be deemed to all intents and purposes to be the Superintendent and Architects, under and within the meaning of this contract.

That should the amount now or at any time hereafter to be voted for the purposes contemplated by the 2nd section of the Act of this Province, 20th Vict. c. 17, be at any time expended previous to the completion of the work, now contracted for, the Contractors may or not, as they may see fit on receiving a notice in writing from the Commissioner to the above effect,

stop the work, but in any case the Contractors shall not be entitled to any further payment for work done after the service of the notice above referred to, until the necessary funds have been voted by the Legislature, nor shall the Contractors have any claim for compensation or damages for the said suspension of payment.

In this contract, the words "Her Majesty" or "Her Majesty the Queen" shall mean Her Majesty, Her Heirs and Successors.

The words "The Commissioner" shall mean the Commissioner of Public Works of the Province of Canada, for the time being.

The words "The Contractors" shall mean the hereinbefore mentioned Ralph Jones, Edward Haycock and Thomas C. Clarke, carrying on business as Contractors for building under the firm of Jones, Haycock & Company, and the heirs, executors, administrators and assigns of them, and each and every of them jointly and severally.

The word "Superintendent" and the word "Architects" shall be respectively such person and persons as may from time to time be appointed to act as Superintendent and Architects. The construction of the words given in this clause shall not control any more extended construction which may be given any of such words throughout this contract in case such extended construction is obviously required.

In witness whereof Her Majesty, by Her Commissioner of Public Works, who signs and seals these presents for and on behalf of Her Majesty, and the Contractors have hereunto set their hands and seals this day and year first above written.

(Signed,) U. J. TESSIER, *C. P. W.*

(Signed,) RALPH JONES,
" EDWARD HAYCOCK,
" THOS. C. CLARKE.

SIGNED, SEALED AND DELIVERED
In presence of
(Signed,) JOSEPH SHEARD,
" T. TRUDEAU.

# SPECIFICATION

Of the several works to be done in completing two detached buildings, on the Barrack Hill, in the City of Ottawa, (C. W.) known as the Departmental Buildings, for the Hble. the Commissioner of Public Works, and under the direction and superintendance of Chs. Baillargé and Ths. Fuller, the architects appointed by the Commissioner, agreeably to the Drawings hereinunder enumerated, and also to such other requisite detail or working drawings as may be hereafter given by the Architects, and subject in all respects to the approval of the Commissioner or the Architects.

LIST OF DRAWINGS.

| | | |
|---|---|---|
| No. 1. | Right Hand Block. | East and North Elevations. |
| 2. | " " " | West and South Elevations. |
| 3. | " " " | Basement, plan of. |
| 4. | " " " | Ground floor, plan of. |
| 5. | " " " | First floor, plan of. |
| 6. | Left Hand Block. | East and South Elevations. |
| 7. | " " " | West and North Elevations. |
| 8. | " " " | Basement, plan of. |
| 9. | " " " | Ground floor, plan of. |
| 10. | " " " | First floor, plan of. |
| 11. | Right Hand Block. | Longitudinal and transverse sections. |
| 12. | Details of Windows and Roofs. | |

HEATING AND VENTILATION DRAWINGS.

No. 1. Basement Plan, Right Hand Block.
2. Basement Plan, Left Hand Block.
3. Details for Right and Left Hand Blocks.
4. Ground Floor, Left Hand Block.
5. Ground Floor, Right Hand Block.
6. First Floor, Right Hand Block.
7. Section on line C. D.
8. Plans of Boiler Houses, Right and Left Hand Blocks, (two).
9. First Floor Plan, Left Hand Block.
10. Attic Story Plan, Right Hand Block.
11. Attic Story Plan, Left Hand Block.
12. Basement Plan of front portion, Right Hand Block.
13. Basement Plan of wing portion, Right Hand Block.
14. Basement Plan of wing portion, Left Hand Block.
15. Basement Plan of front portion, Left Hand Block.
16. Sections through A. B., C. D., E. F.

PLANS OF WORK AS EXECUTED.

*Eastern Block.*

No. 1. Plan of excavation required, as per former contract.
2, 2. Plans of excavation to datum line.
3, 3. Plans of excavation below datum line.
4. Plan, sections of excavation and masonry in sewers.
5. Plan, sections of masonry in ducts outside of building.
6. do do do do do
7. do do of foundation walls, showing their depth.
8. do do of Basement floor.
9. Section through walls of Basement.
10. Longitudinal sections through west wing.
11. Plan of ground floor.
12. Second floor plan with sections.
14. Plan of Roof.
15. West Elevation.
16. Elevation of extension of east wing.
17. South Elevation.
18. Rear Elevation of S. wing with sections through west wing.
20. Rear Elevation of W. wing with section through A.
21. Elevation of North and East fronts, with sections.

PLANS OF WORK AS EXECUTED.

*Western Block.*

No. 1. Plotting of total excavation.
2. do clay excavation.
3. Plan of Foundations.
4. do Basement.
5. do Ground Floor.
6. do First Floor.
7. Transverse and Longitudinal Sections.
8. Plan of Ducts.
9. Plan and Sections of Sewers.
10. East and South Elevations.
11. West and North Elevations.
12. Sections of Walls in Basement.
13. do do do.
14. Details of Hot air chamber, main cornice, &c.
15. Plan and sections of smoke flues.
17. Plan of part of smoke flues from boiler house.
17½. Plan of connecting foul and hot air flues.
18. Section of corbelling for cornices of rooms.

All the works are to be executed in the best and most workmanlike manner, and all the materials are to be unexceptionable in quality, and both workmanship and materials must be prepared and executed, to the entire satisfaction of the Commissioner and Architects.

## EXCAVATOR.

Excavations. Perform all excavations in earth, clay, sand, gravel, hard pan, and loose and solid rock remaining to be done for stoops, ducts, areas, drains, &c., required to carry on the works, including surface drainage, baling or pumping water, shoring, strutting, tools, powder and fuse, stone boats and every contingency, and remove from the buildings and grounds adjacent thereto all excavated material to some convenient place of deposit on the Barrack Hill, as may be directed by the architects.

Removal of surplus material. Remove surplus material from basement floor inside the buildings and form proper level well rammed down and consolidated to receive the paving. So much of the soil, rubbish, chippings, spalls, &c., as may be directed to be used round about the walls, to be deposited as may be pointed out, and the whole buildings and site to be left free from all rubbish or useless material of any kind at the completion of the works.

Filling in. Fill in around all walls and over and around all drains, ducts, &c., wherever required, well and hard ram down and consolidate the same in layers of such thickness as may be directed.

Lay under stone paving of areas a stratum of dry hard rubbish averaging 6 inches in thickness including ramming and pounding.

## MASON.

Kind of stone. All the stones used in the building, except where otherwise described, to be of the blue limestone of the district, carefully selected.

Foundation walls. The whole of the foundation walls remaining to be done, are to be built of rubble masonry of quality equal to the best of that already executed, well bedded and bonded in every part and thoroughly flushed up with mortar, of the several heights and thicknesses shewn on the plans and sections, or as may be directed from time to time.

External walls. The external walls remaining to be done, are to be built, inclusive of all projections, of the several thicknesses required, in rubble masonry of a quality equal to and finished on the external surface in a manner similar to the best of that already executed.

Construction of walls. All walls to be constructed in the best possible manner, with good, flat, even bedded stones laid in mortar compounded of one-third best hard burnt lime, and two-thirds clean, sharp gravel or coarse sand, the interstices of the stone work to be

Walls grouted. filled with stone chips or spauls, and grouted with lime and sand in a liquid state every foot in height; the mortar to be mixed, ground in a pug mill, and used fresh from day to day.

Mortar. The Architects reserve the right of changing the proportions for mortar at their discretion.

Bond-stones. Thorough bond-stones of Nepean to be laid throughout all

the walls, at intervals not exceeding one superficial yard, having a bed of not less than 3 superficial feet.

The whole exterior surface of the walls, except were covered by Ohio stone dressings, shall be faced with Nepean stone averaging 10 inches bed, built in the same style of workmanship as that already executed. Nepean facing.

All the cut stone dressings are to be set in putty, the external pointing to correspond with that already done. Putty setting.

At the conclusion of the work, or whenever directed, the whole of the face of the Nepean and Ohio stone shall be cleaned down and pointed in dark mortar composed of one part best brown lime, one part sharp forge ashes, and one part of iron scales mixed and ground under the edge runner to a fine paste, as required for immediate use. Pointing in dark mortar.

Do all necessary beam filling in rubble work to the underside of roof boarding and elsewhere as may be required. Beam filling.

Build all releiving arches wherever required or directed and of material of such quality and dimensions as may be hereafter ordered. Releiving arches.

## BRICKLAYER.

The contractor may continue to make bricks on that portion of the Canal Lands already used for the purpose. Brick-making.

All the bricks used in the buildings are to be of the best quality, hard burned, free from any defect which may impair their strength. Quality of bricks.

All the external walls intended to be plastered are to be cased in brick work nine inches in thickness, leaving a space of four inches between it and the stone wall, and to be bonded to the stone every fifth course in height. The brick work to be built up simultaneously with the stone walling, care being taken to protect spaces from being filled with mortar or otherwise. All the internal stone walls are also to be cased with bricks, built with and bonded into the stone work as it advances. External walls cased with bricks.

All the internal walls remaining to be built for divisions of rooms or otherwise shall be of brick work of the several thicknesses required to carry them up to their proper heights. Bricks to be set in mortar so that no four courses of brick may rise more than one inch above the actual thickness of the bricks themselves. Internal brick-walls.

The bond to be generally four courses of stretchers to one of headers or such other bond as may be directed by the Architects. Bond of brick.

The mortar to be composed of one-third best burnt lime and two-thirds sharp sand mixed in a pug mill and used fresh from day to day, every course fully flushed up with mortar, and every fourth course carefully grouted with hot grout. Mortar. Hot grout.

All chimney jambs to be in brick work, the fire places three feet wide, 14 inches deep, and 3 feet 3 inches high; an arch over the opening, supported in each case by an iron bar 2 Fire places.

inches by ½ inch, bearing nine inches on the jambs and turned up 2 inches at their ends.

Discharging arches. Discharging arches of from 2 to 3 half brick rims, as may be directed, to be turned over each opening for doors, windows or wherever required, built clear of the lintels.

Chimney flues. Build all chimney flues, and flues for ventilation or otherwise of brick work extending to the apex of the roof, or to the point of the roof where they will connect with the external shaft, which will be of stone; the corbelling over in cases where it occurs to be carefully done. All these flues to have their joints carefully pointed and left smooth on the inside and free from all impediments at the completion of the building.

Tubing for flues. Tile tubing to be used for the lining of the upper part of the chimney flues where they are built of stone, should they be so directed.

Heating and ventilating flues. Build all new flues required and complete all those already begun and required for heating and ventilation, the insides thereof to be cemented, washed or jointed as may be directed.

Hot air chambers and ventiducts. Build all hot air chambers and ventiducts required to complete the system of heating and ventilation adopted and in the same style of workmanship as that already executed, unless otherwise directed by the Architects.

Brick work where not intended to be plastered to be built fair and plumb in perfectly horizontal courses and to have neatly struck joints.

Pointing. After removal of centreing, neatly point all brick arches where not intended to be plastered over.

The walls of the record rooms to be cased inside with Toronto pressed brick or with other approved quality if the first cannot be obtained, neatly laid and jointed and left free from plastering at completion.

Ventilating chimney. Build smoke shaft inside extracting shaft with circular made bricks, circular on plan, as per plan No. 5, prepared for heating and ventilation; care to be taken that all the brick be perfectly hard, well bedded and thoroughly grouted to make it smoke tight.

Chases for pipes &c. Chases to be left in the walls for soil and water-pipes &c., and for all purposes of heating and ventilation, and where not left to be cut as may be required.

Set all grates. The bricklayer is to set all grates and perform every kind of labour required in completing the building, in respect of the various departments of work where his services are required.

Drains. The whole of the drains remaining to be built are to be constructed with patent earthenware glazed pipes of the strongest and best quality with sockets, cradles or rings, laid with a current, bedded in pugged clay and jointed in cement. All connections to be by branches, either oblique or circular and to be trapped at every proper point, viz: at connection with soil pipes from water closets, surface water drains and

wherever else may be considered necessary. All joints to be carefully wiped inside and out and the drains left free and clean throughout their whole extent; no abrupt turn to be made in any case.

The ventiducts and extracting shafts to be connected with 24 inch cradled or ring jointed glazed ware tubing, bedded in concrete and joints set in cement, or galvanized tubing if so directed. Ventiduct connections.

The foul air flues to be nine inches diameter with all necessary bends and connections. Foul air flues.

To provide and lay concrete on the strips that lay on the bottom flanges of the iron joists, the filling in over the arches and all other parts, where the floors are to be finished with cement or where the floors are to be made fire proof. Such concrete to be made of the best Thorold cement and of the following ingredients, viz: Nepean and Potsdam finely broken stone, Smith's ashes, coarse engine ashes, fine gravel, Ohio stone spauls and broken clinkers; should these materials not be readily obtainable, others of similar character may be substituted, if satisfactory to the Commissioner or the Architects. Concrete for fire proof floors.

The proportions for concrete to be correctly ascertained and the cement is to be brought fresh and kept dry in bags under cover till used.

Do all necessary jobbing connected with the insertion in walls of all registers and ventilators, &c., included in the contract for heating and ventilating the buildings. Jobbing.

## CUT STONE MASON.

All the stone used for dressings of the buildings is to be sand stone, from Cleveland, in the state of Ohio, or Malone stone in the state of New York, to be carefully selected, sound and free from all stains or other blemish, and to be protected during the progress of the buildings, so that at completion all mouldings may be perfect and complete. Stone for dressings.

The whole of the sand stone dressings, including plinths, window and door jambs, heads, mullions and transoms, tracery, string courses, eaves courses, weatherings, finials, buttress caps and slopes, parapets, chimney shafts, caps and mouldings etc., on the external fronts, are to be wrought moulded and set according to the drawings and details at large now prepared or which may be prepared from time to time during the progress of the building; the work now done to be taken as a fair specimen of what is intended to complete the building. All copings on parapets and other portions where the upper surface of the stone is exposed to the weather are to be set and joggled in hydraulic cement. The sizes of stones for all the above mentioned dressings to be such as may be required by the Architects, and in all cases of the largest possible dimen- Stone dressings, how finished. Size of stone for dressings.

sions for weatherings, especially copings, chimney shafts and all other parts of the building more directly exposed to the influence of the weather.

Stone staircases. Each staircase to be constructed with solid blue Ohio stone of the sizes shown in detail drawings, each step built 8 inches into the walls at each end and joggle jointed. Landings in every case to be in one stone 6 inches thick. The whole to be carefully cleaned off and rubbed on all exposed surfaces, with raking soffit and left complete in every respect.

Stone carving. The carving of stone, including shields, coats of arms, bosses and otherwise, is to be done by first class workmen who are thoroughly initiated into their business and at least equal to any specimen at present executed; no carver being allowed to work except under the sanction of the Architects.

Coats-of-arms. The principal entrances to be surmounted by the Royal Arms, carved in stone in relief and a similar shield having the Canadian Arms in the principal Tower to be modelled and executed according to designs to be furnished, to be finished in the best style and fixed in their proper places over the entrances.

Steps. Solid Nepean stone steps, bush hammered face, built on rubble masonry faced where visible with Nepean stone, and fenced with an iron railing, to be fixed in the position shown, leading from the basement and boiler house to the ground level.

Tower gallery. The gallery in principal tower to have slabs of Malone stone 6 inches thick, built into the walls, moulded, joggled and dowelled as may be directed, worked and rubbed both faces with moulded edge.

Entrance door steps. The entrance door steps are to be bush hammered work in blue Ohio or other approved stone set in such a manner as will hereafter be directed by the Architects, supported on proper walls or arches of rubble. Each step to be in a single stone, rise 7 inches, and head 13 inches.

Paving in basement. The cellars, areas and boiler house of the basement to be paved with 8 inch block lime stone, joints squared through to bottom, well grouted, and to be laid on a substratum of 6 inches of concrete or dry rubble well pounded and grouted over.

Area copings. Brockville or other approved stone copings 6 inches thick, weathered and throated, are to be laid over the area walls, having a projection of 3 inches on each side, dowelled and joggled at the joints, and set in cement.

Cramping and dowelling. Perform all labour required in cutting and setting the sandstone dressings, in joggling, dowelling, cramping and otherwise working it, as may be ordered from time to time by the Architects, till the completion of the buildings.

Jobbing. Perform also all labour required in cutting holes or grooves, &c., for pipes of various kinds or for the insertion of iron work, or in cutting corbels, bearings for timber, or in any other

way required by the various artificers in carrying out the several departments of the contract.

Chimney pieces.

Provide and fix in each room having a fire place, except in basement, a chimney piece of Arnprior marble, according to drawings which will hereafter be provided. The patterns may be varied to suit the rooms, those in the Governor General's apartments and in the rooms occupied by Chiefs of Departments, and the Deputy Chiefs, to be when fixed of the value of $50. The remaining rooms to have chimney pieces of the value of $40, unless otherwise ordered. Chimney pieces in the basements to be of plain stone with hearths as hereinunder described, $15 fixed in place.

Hearth stones.

Each fire place to have an approved Potsdam sandstone hearth slab, size 4 feet 6 inches long, 1 feet 9 inches wide, and 4 inches thick, set in mortar on the concrete flooring. Inner hearths to be also of the same material or of fire brick if so directed.

Releiving arches.

The external arches of the windows and doors to be formed as shown on the drawings with Potsdam sandstone.

Entrance hall floors.

Each of the entrance hall floors, terminating at the inner doors, is to be formed of 3 inch, finely jointed and rubbed Ohio blue stone, mixed with Potsdam, and laid in cement to Pattern.

Basement floors.

The paving of the basement rooms and passages where directed to be formed of a bed of concrete of approved quality nine inches in thickness, and upon that a layer of finer concrete 1½ inch thick, formed of gravel about the size of a pea and clean sharp sand, and Thorold cement, and on this a layer of Portland cement 1½ inch thick, mixed with a proper proportion of sand; this finishing coat to be laid by the plasterer. The cement is to be laid in the best and most workmanlike manner and as will hereafter be directed and so floated that no joint or unevenness may be seen after completion.

Cement, how laid.

Concrete.

The concrete to be formed of the best Thorold cement, fresh burned, mixed in the proportion of one part of lime to seven parts of gravel sand and broken stones, capable of passing through an inch and a half ring.

Lime.

The lime is to be ground under the edge runners and left dry under cover in bags till required for use.

Entrance porch.

The entrance porch is to be constructed with sandstone as before specified, the piers, arches, frieze, cornices, &c., being in large blocks, cramped and dowelled together in the strongest manner; the ceiling to be groined in stone built over with rough masonry, and covered with stone slabs worked and set according to the drawings.

Tower groining.

The ceiling also of the principal entrance tower to be groined in stone carefully laid on centres fixed in the strongest and most approved manner and built over with rough masonry as may be directed; the spandrels filled in with concrete.

Vaults, paving

The fire proof safes to be paved with Malone sandstone or

other approved stone in slabs 4 inches thick on a proper concrete foundation.

Flagging to ducts. Blue stone or other approved stone flag divisions between the cold air ducts and hot air chambers pierced to admit cold air according to plan or as may be hereafter directed, 3 to 4 inches thick according to breadth.

Where the cold air ducts cross the corridors and passages they are to be covered if so directed with 4 inch Malone stone flagging finely jointed and dressed to a true and even surface, set on a level with the finished line of floor.

Gloucester paving. The brick work forming the setting of the boilers is to be covered over the whole surface with 6 inch Gloucester limestone, bouchard face, with square joints and chamfered edge.

Paving ducts. The bottom of the air ducts to be covered entirely with flagging of such size and description as may be ordered or with concrete if so directed.

Piers in boiler houses. Form proper piers of stones not less than 4 cubic feet in size to support roofs of boiler houses.

Stone templates for girders. Lay solid Nepean stone templates not less than 1½ feet superficial to receive the ends of each iron girder throughout the buildings.

Ashlar casing in tower. The walls of the large tower up to the groining to be cased with 6 inch ashlar properly bonded and secured by iron cramps to the rough walling.

Dowels. All dowels used throughout the buildings are to be of slate of from one to one and a half inches square and two to three inches long where directed.

## CARPENTER AND JOINER.

Kind and quality of timber. All the timber still to be used throughout these buildings is to be of the best quality of pine unless otherwise ordered, free from sap, large loose knots or any other defect which can be considered to impair its strength and usefulness. All timber used for joiners work to be unexceptionable and the whole to be thoroughly dry and well seasoned by time. Kiln dried timber will not be allowed to be used.

Lintels. Lintels averaging 8 inches thick to be used over all openings for doors or windows, for fixing joiners work, with 6 inch bearing in the walls, and of the full width of the wall in every case.

Enclosure fences. Each of the buildings is to be enclosed by a close fence at the contractor's expense so that all access to the works may be prevented except by permission.

Sheds. They are also to provide all sheds necessary for the preparation of stone work, joiners fittings and otherwise, and all suitable sheds for the proper protection of lumber and the various descriptions of artificers work or fittings.

Lumber for internal fittings. All the timber required for internal fittings including flooring boards to be of the best dry seasoned lumber, a precaution which will be strictly enforced.

Centres. Centres to be used in the construction of all arches, of the strength required by the architects, securely fixed and not struck until permision be given. The centre for main tower to be framed and made in the most solid manner, to such drawings or directions as may be given.

Wood bricks and bond timber. Provide and fix all wood bricks which may be required, and necessary for securing the joiners fittings, and all bond timbers for floors and roofs.

Floors. The whole area of the several floors, except where cement is ordered, to be laid with 2 inch grooved and tongued thoroughly clear flooring boards, the width in no case exceeding 6 inches, nor less than 4 inches, and of uniform width in each separate room or passage side nailed with 3½ inch nails, with single headings opposite joists. All the flooring boards throughout the building are to be laid after the skirtings are fixed and made to fit tightly thereto, 4 inch mitred borders to all hearths. Lay in roofs flooring boards 1½ inch thick, throughout the space over the several corridors and passages, as may be directed.

Floors in roof.

Sound boards. Lay throughout the floors 1¼ inch boards, 8 inches wide, resting on the flanges of the iron joists, placed half an inch apart to receive the concrete.

Ceiling joists. Provide also and fix underneath said boards, ceiling joists of pine 1½ × 1½ inch to receive the laths of the ceiling, placed 12 inches from centre to centre.

Floor fillets. Provide also, and lay in the concrete fillets of pine 2½ inches square and 16 inches apart, to receive the flooring boards; these fillets to be secured by struts or otherwise, as will be required and directed by the architects.

Passage railings in roofs. Enclose the several passages in roofs with a strong fence supported on pillars 4 inches diameter, placed at intervals of 5 ft., upper rail rounded 4 + 2½ inches, 2 intermediate rails 5 + 2 inches.

Tanks. Fix in each of the towers a reservoir for water, in the position that may be pointed out; the flooring for which shall be formed in the same manner as other fire proof floors, the tanks to be placed four feet wide from the wall all around, the open space being in the middle of the room; a space to be left in each case for access to the rooms; the tank to be four feet high, formed by making a strong king post truss on the several beams, and filling in the sides with studs, lined on the inside with 2 inches grooved and tongued boards, and case on the outside with 1½ inch ditto of the same description. The reservoir in the large tower to be constructed, braced and secured in the manner already described, or as may hereafter be directed. Each tank to be floored over, and to have a man hole provided for access thereunto, and every precaution to be taken, and provision made for protecting the various cisterns throughout each building from frost.

Reservoir in large tower.

Proviso for iron tanks. Notwithstanding what has just been stated, it shall be optional with the architects to have these tanks constructed of wrought iron, as hereafter described under the head of iron work.

## ROOFS.

Roof trussing. Roof boarding.

Complete the roofs remaining to be done in the same manner as those already made ; the present flats are, if so ordered, to be raised to a greater slope. The roofs, where not already boarded, to be covered with 1½ inch dry sound white pine boads, grooved and tongued, not exceeding 7 inches in width with single headings; also to have battens 2 × 1 inch to receive the slates nailed to each rafter with 2½ inch nails.

Roof flats.

The flats to be laid with 1½ inch grooved and tongued boards, with rolls for galvanized iron, and laid to a current towards each side, and the galvanized iron to be neatly dressed over on the slating.

Rooms in roof.

The rooms in the roof to be constructed as shewn on the plans, and fitted in every particular like those of the lower floors.

Ceiling joists.

Ceiling joists to these rooms 5 × 2 inches, ceiling joists to lower rooms throughout 3 × 2 inches, unless otherwise directed, and of the lengths desired.

Tower roofs.

The roofs of the various towers to be constructed as shown by the sections, the hips let into strong angle ties. Strongly framed couples also to support the roofs on flats, directions for which and details drawings will hereafter be given. The

All roofs to be made perfect.

minor buildings, water closets, &c., to be covered with flat roofs as described for the main building laid to a current and prepared for lead or galvanized iron as may be directed. It is to be distinctly understood that the whole of the roofs are to be made perfect with all necessary struts, ties, trimmers, templates, fillets, tilting pieces, &c., and with all necessary bolts and straps of iron, and all proper gusset pieces, gablets, deckings, &c., having the same sized rafters, pitching pieces, plates and boarding as the adjoining roofs.

## DOORS AND WINDOWS, &c.

Outer doors.

All the outer doors to be hung folding, framed ledged and cross braced according to the drawings to be prepared for the purpose. They are to be 3 inches thick, that is the stiles to be 3 inches and the bracing 2 inches sheeted on the outside with inch oak boards 3 inches wide, with chamfered edges hung to solid oak frames 6 by 6 inches firmly fixed and bolted to the stone jambs and sills, the principal doors to have large iron octagonal headed nails on the outer sides if required by the

Basement doors.

Architects. The basement doors to be pine with oak frames ; the upper doors to be sheeted with oak; frames dowelled into sills with a piece of sheet lead between. Doors to be hung by strong wrought iron hinges, prepared to a given pattern and secured by inside bolts and strong approved locks, with suitable inside and outside furniture bronzed. Framed, pannelled and molded inside jamb linings to match, and architraves

inside, the soffits and architraves framed to the same curve as the head of the door frames. (See drawings at large for details of these doors.)

Inside doors. All the inside doors to be of best picked clean pine, framed in six panels, moulded or chamfered as may be directed 2¼ inches thick, finished. All these doors to be hung to framed, panelled, and moulded 2 inch jambs to match, rebated on each edge, and finished with moulded architraves, according to detailed drawings, a block to be fixed in each case in the wall to receive the screws of the hinges. Each door to be hung with three 5 inch butt hinges, and furnished with 6 inch mortise lock. The door furniture to be of the best quality, subject to the approval of the Architects, the locks to be of English manufacture, and of the value of 3 dollars each. Double doors in every case leading to water closets.

Basement doors. Doors in the basements to be strongly framed and pannelled, 2 inches thick, hung to 2 x 8 wrought and rebated and chamfered frames by 4 inch butt hinges, and furnished with best 6 inch Carpenter's rim locks; plain casings and soffits to all doorways, finished with a beaded edge; the outer doors to be furnished with a dead lock and 2 inside bolts. The inner water closet doors to be similar to those last described.

Windows. All the windows to be framed and fitted, as shewn on the elevations, with transom rail, central pillar, as shewn and sashes 2⅛ inch finished thickness; sashes in every case made to slide through the soffit, which is to be framed for the purpose. Boxed frames prepared, and solid double sunk and weathered oak sills. Those windows which have mullions are to be cased inside with a framed and pannelled facing as shewn. (See detail drawings.)

Linings. Framed and pannelled, and moulded side linings, soffits, backs and elbows, in every case, and architraves to correspond with those to the doors, moulded to pattern.

Window fittings. Each window to be hung with Patent No. 5 sash lines, 2 inch brass axle pullies, cast iron weights, and to have the best brass sash fasteners and flush lifts in bottom rails—two in each.

Winter sashes. Each window also to be prepared for, and fitted with a second or winter sash, made to correspond with the principal ones similarly hung and fixed, and having suitable fastenings for winter use—made to slide up, in the summer months, in the same manner as the others.

Staircase Windows. The staircase windows and windows of the towers, are to be made to hang with lines and pullies, direction for which will be given.

Borrowed lights. 2 inch moulded casements fixed in proper wrought and rebated 1½ linings to be placed on the several positions where borrowed light is required with suitable architraves, &c., complete.

Basement windows. Casements 2 inches thick, with solid rebated frames 4 x 4, having oak sills, are to be fixed throughout, for windows of the

basement, hung with butt hinges, and having suitable fastenings, and 2 inch window benches, on proper bearers, seats glue jointed, finished with a beaded edge.

Dormer windows.

Fit up dormer windows in the roof of main tower or elsewhere if required according to detail drawings, which will be hereafter prepared.

Water closets.

Fit up the various water closet lobbies with 2 inch grooved and tongued divisions wrought and beaded both sides, 2 inch 4 pannelled door, in solid rebated frames, fitted with 4 inch butt hinges, 4 inch latch, and inside bolt; the partition to be 7 feet high, with a neat moulded capping on the top. Each closet to be fitted with framed seat riser and cover, on suitable bearers, made to remove and fix readily, the fittings to be of oak, or other hard wood.

Cisterns.

Provide and fix also in each lobby, a cistern for urinal, as shewn on the plan, enclosed in a pannelled and moulded frame, with doors and shelf underneath, the door fitted with hinges and small cupboard lock. The washing troughs to be enclosed in a similar manner.

Basement closets.

The closets of the basement to have plain pine, oak or birch seats, and risers, fixed on strong bearers, plain framed ledged doors, in rebated frames 4 x 4, fitted with latch and inside bolt.

## STAIRCASES.

Balusters.

The balusters as hereafter specified to be throughout of cast or wrought iron as may be directed, made to detail drawings yolted to and leaded into the stone.

Handrails.

Moulded handrail prepared in oak, size 8 x 6 and polished and varnished.

Newels.

Newel posts of oak prepared from 8 x 8 timber, the first newel, at foot of the stairs being 10 x 10 oak wrought, moulded, fitted, &c., as will be shewn by future drawings.

The Newel of the principal staircase to be more elaborately finished, or carved if so directed.

Screws.

Provide a sufficient number of hand-rail screws, and other iron supports, &c., for completely fixing the handrails to the staircases.

Steps in attics.

Steps also to be fixed in the attics, leading to the various rooms in the towers, where required, with handrails, balusters,

Trap doors.

string-boards, &c., complete. Traps to be provided in the roof of each tower, and in three suitable positions on each building, for access to the flats. These traps to be secured by bolts inside.

Jobbing.

The carpenter is to provide all labour required in laying in the various pipes for heating, fixing gratings, and otherwise, for ventilation, and in making all the preparations for laying on the gas, casing-pipes, or otherwise; he is also to furnish such labor and material as may be necessary to enable the va-

rious artificers to carry on and complete their several departments of work.

## PLASTERER.

Mortar. The mortar for plastering of the first and second coats, to be compounded of the best hard burnt lime, of the district, and clean sharp gravel or coarse river sand, mixed in the proportion of 3 parts of sand and 2 parts of lime, and a sufficient quantity of long cow hair. The lime to be all run through a screen, and mixed at least 3 months before it is required to be used.

White finish. The finishing coat of ceilings is to be set white.

Lathing. All the laths used in plastering are to be cleft pine sound and hearty, well seasoned, and in every respect perfect. Sappy or knotty laths will in no case be allowed in the buildings. The joints to be properly broken every 12th lath, and all large timbers are to be counter lathed, so as to form a proper key for the plastering, all nailed on with the best lath nails of the weight of 5 lbs. to the 1000.

Plastering. All the walls where firred and ceilings throughout the buildings forming rooms, passages, halls, and otherwise, excepting only the roof, are to be respectively lathed, rendered, floated and set; the finishing coat white. The whole of the work to be executed in the best possible manner, floated perfectly true, and trowelled to a hard and smooth surface.

Angles. All angles and arrises to be wrought true and plumb.

Lath and plaster underside of rafters if so directed by the architects.

Cornices, enriched. Cornices with one enrichment, to be run around the ceilings of the principal or Governor's entrance hall and staircase, and Governor's apartments, girth and profile as per detail drawings.

Cornices also with one enrichment, to be run to each other entrance hall and staircase, to each room used by the chiefs of departments, and the deputy chiefs.

Cornices, plain. Cornices without enrichment throughout the various corridors on both floors and the remaining offices. The whole made to such drawings as will hereafter be provided by the Architects.

Bracketing. The whole to be backed out where necessary with brick or stone, set in plaster, or bracketed with wood, as will be considered requisite.

Skirtings. The skirtings to be all formed with Keene's or Martin's cement or other approved quality, a specimen of which is to be prepared and submitted for the approval of the Architects. They are to extend down to the joists, and laid on previously to laying the flooring, backed out with chips of brick or stone, in cement, moulded and worked, trowelled and tooled off to a smooth and even surface. The skirtings to be 18 in. in height including but not girthing the mouldings in various rooms, as

may be determined on. Those in the basement rooms to be plain, 6 inches high, with 1 inch projection making any preparation required where steam pipes are to be carried round the room.

Cement floors. All the floors mentioned in cut stone Mason's Specification are to be of Portland cement, done as there directed. All the cement to be manufactured by Messrs. J. B. White & Co., Milbank, London, England, and the Contractor will be required to produce and deliver to the Architects a written guarantee from the manufacturers that their best cement has been supplied. The cement is to be mixed with clean sharp washed river sand, and shingle laid to the proper thickness, and as may be directed, the greatest care to be taken in joining the work where left off at any time, and when possible the entire surface of the floor is to be finished off by sufficient hands so as to shew no joint; where joints have to be made the work must be cut back to a straight edge as will be directed, and the fresh work connected with it by the smallest possible joint; all joints to be parallel.

Repairs. The whole of the plastering is to be left in a sound and perfect state at completion of the buildings, any repairs being made which may be rendered necessary during the progress of the various departments of work.

Keenes' or Martin's cement. All external angles of chimney breasts, or otherwise, to be worked in Keenes' or Martin's cement, made perfectly straight and plumb.

Archways. The several archways in the corridors, to be constructed of the same material according to drawings to be furnished, stop chamfered or moulded on the edges, all worked by trammels and made perfectly true.

Lime white. All the rooms on the basements, which are not plastered together with the water closets and offices, are to have two coats of white lime wash, the brick or stone work being first neatly pointed with mortar.

W. C. floors & walls. Floors and walls of water closets, and floors of record rooms, to be also formed with Keenes' cement in such manner as shall be directed by the Architects.

## SLATER.

Kind of slates. All the roofs are to be covered with a layer of Croggan's asphalted felt same as that already done, and with best Duchess slates, partly from the Eastern Townships, and partly from Vermont laid on in the manner shown by the roofs on the elevations, partly diagonally. They are to have 3 inches bond, and nailed with $1\frac{3}{4}$ inch strong copper nails, 2 in each slate.

Cutting. Hips and valleys cut straight and true, the slates to finish under a roll at the ridge, and at the hips. Double courses at the eaves and ridges.

The slates are all to be perfectly sound, free from blemish of any kind, and the whole to be of an uniform color, left in a perfect manner, and without any broken slates at the completion of the buildings. Left perfect.

## PLUMBER.

All the plumber's work is to be done with milled sheet lead of the best quality. Milled lead.

The several Water-Tanks in the Towers unless ordered to be built of boiler plate as hereafter described, to be carefully lined with lead 6 lbs. to the foot, the smaller cisterns supplying the water closets, with lead 5 lbs. to the foot,—all properly fixed and wiped soldered at the joints. Tanks.

Fix to the valleys also 5 lbs. lead 24 inches wide, dressed over a fillet on each side, and allowing 9 inches fully between the edges of the slate, or instead of lead, if so ordered, continuous 24 inch galvanized iron sheeting. Valleys.

The hip rolls and ridges to be covered with lead 5 lbs. to the foot, 20 inches wide, dressed neatly on to the slates or with galvanized iron if so directed. Hips.

Provide and fix also to all chimneys, down the sides of all towers, side walls, or otherwise, which extend above the roofs, 5 lbs. lead, stepped flashings, and averaging 18 inches wide, carefully secured to the stone work by wedges, and pointed with cement made with white lead, clean washed sand and linseed oil. Steps & flashings.

Lead flashings also to be used in all cases where necessary, and as may be directed by the Architects.

Cover the flats of the towers, water closets and decks of roofs with the best English galvanized sheet iron 24 inch guage or with 6 lbs. lead if so directed, laid on rolls where required, and dressed over in the most approved manner. The galvanized iron where used to be in single or continuous lengths and none but tinned and galvanized iron nails to be used throughout the roofs. Tower & flats.

Fit up the water closets each with a best Queen's ware pan closet apparatus with blue basin, sunk handle, and all the necessary cranks, and wires, &c., complete, or execute any other system of water closets the Architects may direct, either self-acting or not as the case may be. Closet apparatus.

Provide and fix to each a $4\frac{1}{2}$ inch trap, and 3 feet in length of $4\frac{1}{2}$ inch lead soil pipe, 6 lbs. to the foot, soldered at the joints and connections with the trap. The remaining portion of the soil pipes extending to the drains, to be 6 inch cast iron pipe, the connection between it and the lead, to be tinned and soldered. The connection between the trap and closet pan to be made in the usual manner with red lead, cement, &c. Trap. Soil pipes.

The main supply for the water tanks, to be by 2 inch Rising main.

medium sized lead pipe, carried immediately under the ground floor joists, from the iron rising main which will be furnished and fixed by the Contractor for heating and ventilating, and running up towers in a chase formed in the wall, each tank to be furnished with an 1¼ inch ball tap, to shut off the supply, and a 3 inch iron waste pipe, connected with the drain.

Supply to cisterns.

The supply to the water closet cisterns to be by 1 inch medium sized lead pipes, also furnished with an inch ball cock, and a 2 inch iron waste pipe.

Supply to closets.

A ¾ inch supply pipe to the pans of the closets; ¾ supply pipe also to the urinals—the flow of water through these to be constant during the day, and made to shut off at night.

Supply to lavatories.

A ¾ inch supply pipe also to the washing troughs, each fitted with plated cocks, waste washer, plug and chain.

Waste pipes.

1¼ inch waste pipes of lead, each trapped and fixed to the several urinals, and each washing basin. All these waste pipes to connect with the main soil pipe of the water closets; each trap to have a screw washer at the bend, for the purpose of cleaning out, if required.

Urinals.

Provide and fix also in each water closet lobby a cast iron white enamelled urinal trough, of the size and description shewn in the plans, or hereafter directed.

Lavatories.

Provide and fix also in the same apartments a cast iron enamelled washing trough of a chosen form and pattern with two basins in each.

Gas tubing.

Provide and fit up all necessary gas wrought iron lap welded tubing with screw couplings and all necessary taps, stop cocks, &c., complete, throughout the buildings, the whole of such sizes as may be required or ordered by the Architects, not including brackets, pendants, &c., unless hereafter otherwise ordered.

Bell hanging.

From each of the apartments throughout the buildings as may be pointed out, lay proper wires and cranks with bells in messengers rooms, and enclose the wires where required in metal tubing. The several bell pulls to be, as may be ordered, either metal or rope of varied colours, with plated pulls specially designed to all outer doors; the whole done in the most workmanlike manner, and of the very best description of materials.

Kind of galvanized iron.

All galvanized iron mentioned in this specification to be Morewood's galvanized and tinned iron of the best quality.

Hydrants.

Provide and fix in such portions of the building, as will be hereafter determined on, 6 brass hydrants, 3 inches in diameter, for attaching the hose to in case of fire, or for other required uses; these to be connected with the main supply pipes, to the tanks, and six 2 inch brass stop cocks in connection therewith.

## IRONSMITH AND FOUNDER.

All iron work used in the buildings is to be the best quality of wrought or cast iron, properly prepared for its various uses. Quality of iron work.

Provide and fix to all floors which have not already their full complement thereof, rolled iron joists as follows: Wrought-iron joists.

| Bearing. | Depth. | Proof weight in centre to each. |
|---|---|---|
| All up to 16 ft. | ...4 or 5 inches | ..... 12 cwts. |
| 18 " | ..... 5½ " | ..... 14 |
| 19 " | ..... 7 " | ..... 27 |
| 23 " | ..... 8 " | ..... 28 |

made and placed as per detail drawing, 20 inches between centres, to bear 9 inches at each end on the walls, resting on a course of proper Napean stone templetes throughout as already set forth in cut stone mason's work, and to be properly and thoroughly coated with paint or tar previously to their leaving the mill and before fixing.

Iron joists of larger size, prepared to a given pattern, and as may be directed, to be placed as girders to the staircases, and in any other situation where they may be required to receive the ends of intermediate joists or for other purposes. Wrought-iron Girders.

As already set forth in cut stone mason's work, the balustrading for the several flights of stone stairs is to be of wrought or cast plain or ornamental iron work to detail drawings, exclusive of the newels and handrails specified to be of wood, and to be yolted and leaded to stone. Stair balusters.

The basement staircases to have plain iron wrought bar balusters, and flat round iron handrail, yolted and leaded in the strongest manner to the stone steps. Basement stair rails.

Should the Architects so order, the several water tanks throughout the building, shall be made of wrought iron boiler plate riveted and calked water tight, with suitable angle iron flanges at junctions of bottoms and sides and at top to stiffen and secure them, with all necessary holes,collars and flanges for attachment of plumber's work. Wrought-iron tanks.

Provide and erect complete in the large tower a spiral staircase, 5 feet diameter according to detail drawings. Treads and risers of $\frac{5}{8}$ of an inch thick, perforated, the spandrels to be cast in one piece with the riser, also a cylinder cast in one with the riser to fit over an inner cylinder or newel $3\frac{1}{2}$ inches outside diam, and $\frac{3}{4}$ of an inch thick, the inner cylinder to be in two lengths, strongly coupled with male and female joint 6 inches long, the outer cylinders $\frac{1}{2}$ inch thick, balusters to be one inch square, one to each tread, to be strongly fastened with pin on angle of spandrel and riser, and to be fixed to handrail with a small $\frac{3}{8}$ of an inch screw, filed off flush with handrail at top; the handrail to be of half round wrought iron 2 inches wide, the bases of the newels at Spiral staircase in main tower.

top and bottom to be cast solid, with the risers so that the wrought iron newels can be tapped into same; the wrought iron newels are to be turned tapering out of 2 inch rod, and the handrail to be swelled circular to form cap over newels. A cast iron plate 12 inches square to be inserted in trimming of floor to carry centre newel, also a flange 3 inches wide under bottom riser; a $\frac{5}{8}$ of an inch landing perforated at top to land on roof, the width of three treads.

Record room doors. Provide and fix to each vault and record room, iron doors and frames, the outer door prepared on the best principle, double sheeted with wrought iron plate, securely rivetted to the frame. The inner doors to be of a lighter description, hung folding, sheeted only on one side, each to be hung with strong wrought hinges, and furnished with locks of the average value of $25 each.

Iron frames. The frames to be prepared of wrought iron, $1\frac{1}{2}$ inch square, with uprights, head and sill strongly put together, and built with stone work, or with iron, 3 inches x $\frac{3}{4}$ inch, both for the inner and outer frame, fixed in a rebate in the stone jambs, and bolted through their entire thickness with 1 inch bolts.

Iron shelving. Provide and fix also to in the record rooms and vaults, perforated cast-iron shelves, with divisions and standards complete, according to detail drawings to be prepared.

Iron shutters. Provide and fix also to each record room window, one set of framed iron shutters, to detail drawings, securely hung to iron frames built inside the walls, and having proper inside bar fastenings.

Iron cresting. The roofs to be provided with a crest work of wrought iron, made to an approved design, and fixed all round the outer edges of the flats—care to be taken in fixing to prevent leakage through the galvanized iron covering.

Iron terminals. Provide also wrought iron work for the termination of the various towers, as shewn on the drawings, or elsewhere directed as will be more fully described by detail drawings, to be prepared hereafter.

Iron bolts and brackets. Provide also all iron straps and bolts for the roof, for the tanks, for floors, for all internal fittings, staircases and otherwise, all locks, hinges and bolts, all window fastenings, stay bars, and bars for fire-places, all pipes for water supply, both hot and cold, all iron railings for staircases and gallery in tower, together with the ornamental gothic brackets, iron railing, also to the external areas and basement steps, and every other description of iron work required in the building, and in carrying out the various departments of the work, even though not specifically mentioned.

Register grates. Provide and fix in the several fire-places throughout both buildings, register grates of the average value of 16 dollars each, exclusive of fixing.

Ventilators. Provide also, and fix in each room valvular registers for

ventilation, fixed in the most suitable situations which will be hereafter determined on. $8 each set to be allowed as the value of these for the upper rooms and $2.50 for the basement.

## GLAZIER.

British sheet. All the windows, except those described below, are to be fitted with best 26 oz. Chances British sheet glass, when the square does not exceed 5 feet superficial. Above that size 42 oz. glass is to be used, laid in putty, bradded and back puttied. The outer or winter sashes to be similarly glazed with German or other approved sheet glass.

Colored glass. The windows of the various staircases, entrance halls, and those terminating with the corridors, are to have colored or diapered glass of such design as will hereafter be given or as may be approved of.

Closet windows. The windows in the water closet, and other closets having borrowed light, are to be glazed with plain, or obscured glass, of a given design.

Leading. Properly lead in the most approved style, all such lights as are not specified or intended to be done in woodwork.

Lantern lights. Glaze all lantern lights with rolled ribbed thick sheet glass not less than $\frac{1}{4}$ inch thick in one sheet to each pane.

Jobbing. Make good all broken glass until completion of building.

## PAINTER.

Four coats of oil painting. All the wood and iron work usually painted, and not otherwise described, is to be carefully knotted, stopped and primed, and to have three additional coats of plain oil painting, of such color as will be determined on hereafter. All external iron work also to be painted in 4 coats of oil, plain colors.

Picked colors. The iron crests on the roofs to be picked out in very best chinese blue or in various colors, as will be directed, terminating points gilded if required.

Staining. All window frames and sashes to be painted externally in plain colors. All internal doors and windows of the ground and first floor, and attics, with their fittings, to be stained of an approved tint, and twice varnished.

Varnishing. All the oak fittings, whether doors, linings or otherwise, handrails, newels of the staircases, are to have two coats of best copal varnish over two coats of boiled oil.

Paint on cement. Cement skirtings to be painted 3 coats in plain oil colors, grained to match the fittings of the rooms, and twice varnished.

No coal oil or other substance to be used instead of turpentine.

## SUNDRIES.

Contractors to All scaffolding, tools, apparatus and implements whatever necessary for carrying on the several trade sections herein set

furnish all scaffolding, &c.

forth, to be furnished by the contractors, as no over hand work will be allowed except by special permission.

All stone cutters and carvers works to be executed on the premises.

Incomplete parts in the drawings.

In many of the drawings some parts are shewn complete and others omitted or left incomplete, and some items may be shewn upon the drawings, and not mentioned in the specifications or *vice versâ*. In all such cases they are nevertheless to be understood as if they had been distinctly and severally shewn or specified complete in all respect.

Protection of cut stone dressings.

The whole of the cut stone dressings and all other works liable to breakage from any cause whatever to be efficiently protected during the progress of the works.

Revised and approved by us.

CHS. BAILLARGÉ,
THOS. FULLER,
Architects.

(Signed,) RALPH JONES,
" EDWARD HAYCOCK,
" THOS C. CLARKE.

Witness,

(Signed,) JOSEPH SHEARD,
" T. TRUDEAU.

# SCHEDULE OF PRICES.

# DEPARTMENTAL BUILDINGS---OTTAWA.

## SCHEDULE OF PRICES.

(The following prices are in each and every case to be interpreted as including the providing of all plant, tackling, hoisting machinery, ladders, scaffolding internal and external, and every other means of carrying on the works; as also the cost of all materials, artificers' work, labor, tools, implements, transport, templates, moulds, models, samples, fastenings, screws, nails and glue, and all attendance upon the measurers, and the contractor for heating and ventilation and other trades, and every contingency necessary for the full and perfect completion of the work, according to the drawings and specification and description and mode of measurement in this schedule, and to such further detail drawings and specifications as may be supplied, from time to time, to the full and entire satisfaction of the Honorable the Commissioner of Public works, as represented by the Chief Superintendent and the Architects, for the time being.)

**The English foot is used throughout in this Schedule.**

| No. of Item. | Description. | Definition. | Rate. | Mode of measurement. |
|---|---|---|---|---|
| | **Excavator.** | | | |
| 1 | Excavation in earth, clay, sand or gravel, to surface of hardpan or rock, including wheeling or carting, and levelling within the ground and ramming round the exterior foundations..... | Per cube yard. | 0 25 | Measured in excavation by the yard of 27 cubic feet. |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Excavation in hard-pan, do do . | do .. | 0 35 | Do | do |
| 3 | Rock do to 5 feet deep including baling and pumping water, shoring, strutting, tools, powder and fuze, stone boats, and every contingency; the stone to be deposited where directed within the grounds, and to remain the property of the Government..... ..... | do .. | 1 00 | Do | do |
| 4 | Do 5 to 10 feet, do do do .. | do .. | 1 50 | Do | do |
| 5 | Do 10 to 15 feet, do do do .. | do .. | 2 00 | Do | do |
| 6 | Do 15 to 20 feet, do do do .. | do .. | 3 00 | Do | do |
| 7 | Earth filling to trenches over drains, and air-ducts including ramming... | do .. | 0 25 | Measured in trenches before the filling is done. | |
| 8 | Removing surplus material from floors in basement, from present to proper level, to receive paving..... ... | do .. | 0 35 | | |
| 9 | Dry rubbish under stone paving to cellars, and areas in basement including pounding and levelling.... | do .. | 1 00 | | |
| | **Mason and Bricklayer.** | | | | |
| 10 | Rubble masonry in foundations and to basement floor line... ..... | do .. | 2 25 | To be measured to the actual executed dimensions of walls and piers including Nepean facings, cut stone dressings and relieving arches, and the openings of doors and windows (as an allowance for arches, plumbing jambs, and setting angles,) all other openings to be deducted. | |
| 11 | Do do in air ducts..... .... | do .. | 2 50 | | |
| 12 | Do do in walls to ground floor line | do .. | 2 75 | | |
| 13 | Do do from level of ground floor to first floor line .... ..... | do .. | 3 25 | | |
| 14 | Do do from thence to eaves line of main building ..... | do .. | 3 75 | | |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Mason and Bricklayer.**—(Con.) | | $ cts. | |
| 15 | Do thence to 1st 10 feet above do.. | Per cub. yard.. | 4 22 | Cut stone work where not measured as part of a wall to be estimated as rubble masonry taken at the net cubical contents of the stone (to compensate for the setting) at the rate of rubble masonry on the same level; projections of cornices, string courses, &c., excepted. |
| 16 | Do do to 2nd 10 feet do ... | do .. | 4 74 | |
| 17 | Do do to 3rd 10 feet do ... | do .. | 5 33 | |
| 18 | Do do to 4th 10 feet do ... | do .. | 6 00 | |
| 19 | Do do to 5th 10 feet do ... | do .. | 6 75 | |
| 20 | Do do to 6th 10 feet do ... | do .. | 7 59 | |
| 21 | Do do to 7th 10 feet do ... | do .. | 8 54 | |
| 22 | Do do to 8th 10 feet do ... | do .. | 9 60 | |
| 23 | Rough concrete..... | do .. | 1 50 | Measured per yard of 27 cubic feet. Measured to net contents of finished work, at per yard of 27 cubic feet. |
| 24 | Concrete for fire-proof floors..... | do .. | 4 00 | Measured net dimensions above sound boarding to top of concrete, on completion by yard of 27 cubic feet. |
| 25 | Bricks laid in mortar..... | per thousand... | 12 50 | Measured per thousand, calculated at 20 bricks to the superficial foot of finished work of three half bricks in thickness, all openings to be deducted to the springing of the arches, and air and smoke flues having a greater superficial area than $2\frac{1}{2}$ feet. The price includes all materials, labor, and scaffolding, pargetting |

| | | | | |
|---|---|---|---|---|
| | | | | smoke flues, washing air and ventilating flues with specified composition and all cuttings, grooves, indents and chases. |
| 26 | Do in arched work of vaults and ventiducts | Per thousand | 14 00 | Measured on the visible face of finished soffit without any other allowance, and to include pointing, cleaning down and making good after removing the centres. |
| 27 | Bricks laid in cement | do | 14 00 | Measured in the same manner as item 25. |
| 28 | Do laid in oil putty for setting boilers | do | 30 00 | Measured net dimensions and all space occupied by boilers, fire-grates or pipes to be deducted. |
| 29 | Do laid in mortar to circular smoke shaft | do | 25 00 | Measured in the same manner as item 25. |
| 30 | Toronto white brick lining to record rooms | do | 26 00 | Do do. |
| | | | | Note.—In all cases of brickwork after finding the net dimensions of the work the rule of 20 bricks to the standard foot of three half bricks in thickness is to be applied in order to determine the actual quantity. |
| 31 | 24 inch glazed ware pipes with sockets or rings connecting ventiduct with extracting shaft, including fixing complete | Per yard lineal | 6 00 | To be measured net when complete in work without any allowance for bends. |
| 32 | 9 inch do do for foul air flues in roofs, bedded and jointed in cement | Per foot lineal | 0 52 | To be measured net after being laid exclusive of bends and junctions which will be allowed for separately. |
| 33 | 9 inch bends and junctions for do | Each | 1 04 | |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Mason and Bricklayer.**—(Con.) | | $ cts. | |
| 34 | 12 inch straight pipe for drains bedded in clay and jointed in cement..... | Per foot lineal. | 0 70 | |
| 35 | 9 inch do do for do do do.... | do .. | 0 52 | |
| 36 | 9 inch bends junctions, and traps for do do ..... | Each..... .. | 1 04 | |
| 37 | 6 inch straight pipe for drains bedded and jointed as before..... | Per foot lineal.. | 0 42 | |
| 38 | 6 inch bends, junctions and traps for do do do ..... | Each..... | 0 84 | |
| | **Stone cutter.** | | | |
| 39 | Picked face limestone to ducts and drains, plain surfaces..... | Per foot super.. | 0 34 | To be measured on the visible face and allow 12 inches for the bed of skewback, stone and labour included. |
| 40 | Do do to arches circular..... | do .. | 0 80 | To be measured on the visible face only. |
| 41 | Do do to boiler houses plain surfaces. | do .. | 0 80 | Do do do. |
| 42 | Block Gloucester limestone piers to carry boiler house roofs..... | Per cube foot... | 0 25 | To be measured net cubical contents when in the work. |
| 43 | Other block limestone for similar purposes..... | Per foot super. | 0 17 | Do do do. |
| 44 | Fine picked face on do..... | do .. | 0 30 | To be measured on the visible |

| | | | | |
|---|---|---|---|---|
| 45 | Sunk work to do | do | 0 40 | face. The price allowed includes all labour, tools, and apparatus for working the stone from the rough block to its finished size, form and style. |
| 46 | Circular do do | do | 0 35 | |
| 47 | Chamfered do do | do | 0 35 | |
| 48 | Nepean stone in steps and landings | Per cube foot | 0 66 | The following rule is to apply to all cut stone : Cube stone, if square, to be measured to the net size when worked, but when not of a square form it is to be measured to the size of a square stone of the least extent required. All to be measured when worked and set only. |
| 49 | Bouchard face to do plain surfaces | Per supl. foot | 0 33 | |
| 50 | Brockville stone | Per cube foot | 0 66 | |
| 51 | Plain face on do | Per supl. foot | 0 33 | In all cases labour on cut stone is to be measured to the net visible face of the finished work. |
| 52 | Sunk do do | do | 0 53 | |
| 53 | Chamfered do do | do | 0 40 | |
| 54 | Circular sunk or chamfer | do | 0 80 | |
| 55 | Ohio stone | Per cube foot | 0 84 | |
| 56 | Labour on do in dressings plain face | Per supl. foot | 0 25 | |
| 57 | Sunk do | do | 0 40 | |
| 58 | Chamfered do | do | 0 31 | |
| 59 | Moulded do | do | 0 50 | |
| 60 | Circular sunk or chamfer | do | 0 50 | |
| 61 | do moulded | do | 0 75 | |
| 62 | Rubbing | do | 0 08 | |
| | Carving on do viz :— | | | |
| 63 | Finishing Royal arms for entrance porches | Each | 120 00 | |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Stone Cutter.**—(Con.) | | $ cts. | |
| 64 | Modelling and carving Canadian coat of arms on panel over door Main Tower E. block ... ..... | . ..... | 350 00 | |
| 65 | Ball flowers 4 inches diameter..... | Each ..... | 0 40 | |
| 66 | do do 5 do ..... | do ..... | 0 50 | |
| 67 | do do 6 do ..... | do ..... | 0 60 | |
| 68 | do do 7 do ..... | do .... .. | 0 70 | |
| 69 | do do 8 do ..... | do ..... | 0 80 | |
| 70 | Cable moulding up to 4½ inches diam | Per lineal foot.. | 0 15 | The size given for cable mouldings, bosses, &c., is the net diameter of the several pieces for which prices are allowed. |
| 71 | do do 6 do .. | do ... | 0 20 | |
| 72 | 12 inch bosses for window labels..... | Each ..... | 3 00 | |
| 73 | do to main tower cornice..... | do ..... | 3 50 | |
| 74 | 15 inch do to windows..... | do ..... | 6 00 | |
| 75 | 18 inch do do ..... | do ..... | 7 50 | |
| 76 | 21 do do do ..... | do ..... | 9 00 | |
| 77 | 24 do do do .. | do ..... | 10 50 | |
| 78 | Springer corbels for groin of main tower. | do ..... | 12 00 | |
| 79 | Pendant terminal do | do ..... | 24 00 | |
| 80 | Keystones do do | do ..... | 9 60 | |
| 81 | Grotesque figures to angles of cornice of ventilating shafts ..... | do ..... | 7 50 | |
| 82 | Finial terminals to do ..... | do ..... | 26 00 | |
| 83 | Angle figures for pinnacles over centre | | | |

| | | | |
|---|---|---|---|
| | cornice, west front E. block ..... | Each ..... | 6 00 |
| 84 | Terminals to do ..... | do ..... | 10 00 |
| 85 | Diaper work on do ..... ..... | Allowed ..... | 7 75 |
| 86 | Angle figures to cornice of main tower, E. block ..... | Each ..... | 12 50 |
| 87 | Angle terminals to 4½ inch rope moulding do do ..... | do ..... | 3 00 |
| 88 | Do do 6 inch do | | |
| 89 | Do do do | do ..... | 3 50 |
| 90 | Angle figures to cornice of octagon tower, W. block ..... | do ..... | 7 50 |
| 91 | 4 inch enrichments..... | Per lineal foot. | 0 80 |
| 92 | 8 inch do ..... ..... | do .. | 1 00 |
| 93 | Quatrefoils, Gov. Genl's porch ..... | Each ..... | 3 00 |
| 94 | Keystone terminals to gable windows. | do ..... | 6 00 |
| 95 | Do do to pedimented gables as on the south front of western block. | do ..... | 10 00 |
| 96 | Scrolls on sills, agricultural wing..... | do ..... | 6 00 |
| 97 | Column caps..... ..... | do ..... | 5 00 |
| 98 | Grotesque figures to terminate centre cornice, W. block..... | do ..... | 18 00 |
| 99 | Pateras 5 inch diam ..... ..... ... | do ..... | 0 80 |
| | Labour on blue Ohio stone :— | | |
| 100 | Plain face..... ..... | Per foot sup.... | 0 30 |
| 101 | Sunk do ..... | do ... | 0 48 |
| 102 | Chamfered do ..... | do .. | 0 37 |
| 103 | Moulded do ... ... ... | do ... | 0 60 |
| 104 | Circular sunk or chamfered..... | do ... | 0 60 |
| 105 | Do moulded ..... | do .... | 0 90 |
| 106 | Rubbed..... | do ... | 0 10 |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Stone Cutter.**—(Con.) | | $ cts. | To be measured to the net superficies of the actual work. |
| 107 | Nepean stone facing to outer walls... | Per sup. foot.. | 0 27 | All openings, cut stone dressings and relieving arches to be deducted. |
| 108 | Potsdam relieving arches..... ... | do ... | 0 55 | Do do. |
| 109 | Pointing, cleaning and dressing down Nepean facing, Potsdam arches and cut stone work ..... ..... | Per sup. yrd... | 0 20 | To be measured over the external face of wall and cut stone work, deducting openings. |
| 110 | Three inch blue Ohio stone flagging laid complete ... ..... | Per sup. foot.. | 0 20 | All flagging to be measured to its net dimensions when in the work, including all labour and appliances for fixing and finishing it complete. |
| 111 | Three inch do or other approved flagging between air-chambers pierced to admit the cold air..... ... | do .... | 0 40 | |
| 112 | Three inch finely jointed and rubbed blue Ohio stone floors for entrance halls laid to pattern and mixed with Potsdam. ..... .... | do .... | 0 80 | |
| 113 | "Malone" flagging over flues, in corridors and to fire-proof safes. ..... | do .... | 0 50 | |
| 114 | "Potsdam" hearths and inner hearths | do ... | 0 45 | |
| 115 | Six inch Potsdam or Malone landing to floor of gallery in main tower, worked and rubbed two faces..... | do .. | 1 50 | |
| 116 | Moulded and rubbed edge to do ... | Per lineal ft.... | 0 60 | |

| | | | | |
|---|---|---|---|---|
| 117 | Six inch flag covering over boilers dressing and jointing included..... | Per foot sup.... | 0 50 | |
| 118 | Chamfered edge to do ..... | do .... | 0 40 | |
| 119 | Limestone flagging with bouchard face | do .... | 0 27 | |
| 120 | Eight inch block limestone paving .. | do .... | 0 30 | This price includes concrete bed and grouting complete. |
| 121 | Nepean stone flagging to bottom of air ducts ..... | do ... | 0 15 | |
| 122 | Do do to flues and templates under joists..... | do ... | 0 15 | |
| 123 | Plain stone chimney pieces in basement fixed complete..... | Each ..... | 15 00 | |
| 124 | Arnprior marble do, second class, do. | do ..... | 40 00 | |
| 125 | Do do first class, do. | do ..... | 50 00 | |
| | **Carpenter and Joiner.** | | | |
| 126 | Centering to arches lathed ..... | Per foot sup... | 0 15 | To be measured on the net visible soffit. |
| 127 | Do do ribbed..... | Per foot lineal.. | 0 12 | Do do and calculated by a thickness of 6 inches, any less thickness at proportionate rates. |
| 128 | Centering for groin of main tower..... | Per yard sup.. | 2 50 | To be measured on the visible soffit and the price to include framed supports, screws, screw jacks and all other appliances necessary for the proper fixing it in its place and removing when done with. |
| 129 | Pine lintels, joists and wall plates, &c. | Per M. B. M... | 18 00 | To be measured and allowed by the thousand superficial feet of 1 inch in thickness. |

## SCHEDULE OF PRICES.---(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of measurement. |
|---|---|---|---|---|
| | **Carpenter and Joiner.**—(Con.) | | | |
| 130 | Framed pine lumber in roof timbers | Per M. B. M . | 23 00 | To be measured net from joint to joint. No allowance for tenons or scarfs, the price allowed includes all spikes, nails and holdfasts. To be reduced to the thousand feet superficial of 1 inch in thickness. |
| 131 | Do do wrought and stop chamfer'd | do | 30 00 | Do do do |
| 132 | Boarding under concrete floors | Per square . | 2 00 | |
| 133 | Filletts or quarterings for ceiling and floor joists to the fire-proof floors . . | do . . | 1 00 | |
| 134 | Battening walls in basement for lathing | do . . | 2 25 | To be measured net. The price includes plugging the walls and fixed in the strongest manner. |
| 135 | Rough bracketting for wood cornices . . | Per sup. foot . . . | 0 11 | To be measured net on the vertical face of the wall. |
| 136 | 1½ inch grooved and tongued boarding to decks and slopes of roofs . . . . . | Per square . . . | 4 50 | To be measured on the net surface of the finished work. All openings to be deducted. |
| 137 | Two inch second quality grooved and tongued floorings . . . . . | do . . . | 5 50 | Do do |
| 138 | Two inch first quality do do do . . . | do . . | 6 50 | Do do |
| 139 | 1½ inch second quality do do . . . | do . . | 4 50 | Do do |

| | | | | |
|---|---|---|---|---|
| 140 | 2 inch grooved and tongued partitions to W. Cs .... | Per sup. foot . | 0 12½ | Do do |
| 141 | Casings and jamb linings to doors in basements ..... | Per lineal foot. | 0 35 | This price includes door frame and beaded jamb linings to receive plastering. |
| 142 | 2 inch pine window seats in basement on proper bearers ... . ..... | Per sup. foot.. | 0 09 | |
| 143 | 3 inch framed ledged and × braced outside doors and frames and casings in basement, including all ironmongery and fitting, hanging and finishing complete ... .. | do .... | 0 50 | To be measured to the net visible face of the external opening, the price allowed includes all ironmongery and fixing the same. |
| 144 | 3 inch white oak framed ledged doors to principal entrances, hung to 6" x 6" solid oak frames wrought rebated and moulded, fixed and finished complete ..... ..... | Per ft. sup. .. | 1 25 | To be measured to the nett visible face of the exterior opening, the price allowed includes door and frame, lock and all other ironmongery, except ornamental wrought iron bands to hinges. |
| 145 | 2 inch four panelled doors to inner walls of basement and water closet enclosures, fitted and finished complete ..... ... .. | do ... | 0 35 | To be measured net, all necessary ironmongery is included in the price. |
| 146 | 2¼ inch six panelled double moulded doors, including ironmongery, fitted and finished complete ... ..... | do ... | 0 45 | Do do do. |
| 147 | 2 inch framed and moulded jamb linings, double rebated. | do ... | 0 28 | To be measured net finished surface fixed complete. |
| 148 | Do do circular .. | do ... | 0 40 | Do do do. |
| 149 | Moulded architraves to doors and windows, including grounds and plinths ..... | Per ft. lineal.. | 0 20 | To be measured net when fixed. For circular, add 50 per cent on price. |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Carpenter and Joiner.**—(Con.) | | | |
| 150 | 1½ inch framed and moulded jamb linings, soffits, backs, elbows and division panels for windows. .. | Per ft. sup..... | $ cts. 0 22 | To be measured net when fixed. |
| 151 | 1 inch plain jamb linings and casings to beams ..... | do ... | 0 10 | Do do do. |
| 152 | 2 inch casement sashes and frames in basement, including ironmongery.. | do ... | 0 40 | To be measured to the external superficial contents of openings, including mullions. Circular heads measured as square. |
| 153 | Borrowed lights do do . | do .... | 0 30 | |
| 154 | 2¼ inch moulded sashes hung to proper cased frames, with all necessary lines, pullies, weights, brass sash fastenings and lifts or other ironmongery, complete. ..... | do ... | 0 50 | In all cases sashes and frames are to be measured as above described, and the price allowed includes that portion of the frames which is not visible, ventilating panes, and all proper ironmongery, fitted, fixed and finished complete. |
| 155 | 2 inch winter sashes, with similar frames and fittings complete..... | do .... | 0 40 | In every respect the same as the item last described. |
| 156 | Sashes and frames to lantern lights, including oak weathered and throated cills ..... | do .... | 0 50 | To be measured to the net superficial area. |
| 157 | Moulded eaves cornice to do including wall plate, soffit boarding, &c | Per ft. lineal... | 0 50 | |

| | | | | |
|---|---|---|---|---|
| 158 | 1½ inch wrought and beaded (both sides) grooved and tongued sheeting to hopper from do including all necessary quarterings and casings. | Per ft. sup. | 0 06 | |
| 159 | Water closet seats, risers and hinged flaps of pine, fitted complete in the very best manner. | Each | 5 00 | |
| 160 | Do do do in oak or other hard wood | do | 12 50 | |
| 161 | Wrought pine casings to pipes, including all plugging and trimmings | Per ft. sup. | 0 08 | Exclusive of Doors. |
| 162 | Allow for doors in ditto, including butts and fastenings, hung and finished complete. | Each | 0 40 | |
| 163 | Small feed cisterns to water closets, one to each set of closets. | do | 4 00 | |
| 164 | Framed panelled and moulded enclosure under lavatories and urinals, with hinged door and fastenings complete | Per ft. sup. | 0 40 | |
| 165 | Step ladders to roofs and towers, including handrail, standards and square bar balusters. | At per step | 0 50 | |
| 166 | Fence rails with standards to sides of corridors and passages in attics. | Per lineal foot. | 0 25 | |
| 167 | Oak moulded handrail for principal staircases fixed, complete and finished in the very best manner | do | 1 00 | To be measured to the net lineal length including all ramps, wreaths or twists at the same rate of price. |
| 168 | Oak newels for do 10 × 10 wrought cut and worked to detail drawings. | Each | 10 00 | |
| 169 | Do do with extra finish to staircase | | 14 00 | |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Carpenter and Joiner.**—(Con.) | | $ cts. | |
| 170 | Pine staircases, 4 feet wide with 1½ inch risers and 2 inch treads with moulded nosings, 2 inch moulded strings; carriages, rough bracketing, fancy worked newels, handrails and turned balusters fitted and fixed complete. | At per step ... | 2 00 | |
| 171 | Hip and ridge rolls for main roofs fixed as directed ..... | Per lineal foot.. | 0 07 | To be measured net lengths, including in the price all proper irons, spikes and fastenings. |
| 172 | Rolls for all metal covering to flats and roofs where required and directed fixed complete ..... | do .. | 0 03 | Do do |
| 173 | 3 inch elm floor to gallery in boiler houses ..... | Per square. . | 10 00 | |
| | **Slater.** | | | |
| 174 | Vermont slating to roofs including felt. | Per square. .. | 11 75 | To be measured net, per square of 100 sup. feet. |
| 175 | Cutting to hips and vallies..... | Per lineal foot.. | 0 20 | |

| | | | | |
|---|---|---|---|---|
| | **Smith and Ironfounder.** | | | |
| 176 | Cast iron work not otherwise provided for, including all moulds, patterns, painting, stopping and fixing complete. | Per cwt.. | 4 50 | To be calculated at 112 lbs. to the cwt in all cases |
| 177 | Wrought iron doors and frames to record rooms and fire-proof safes, and wrought iron shutters and frames to record rooms fixed complete. | Per lb. | 0 20 | To be taken by the net weight including all rivets, screws, screw-bolts, nuts, washers, lead and leading in and fixed and finished off complete. |
| 178 | Chubb's or other approved locks for ditto, fixed complete | Each | 25 00 | |
| 179 | Ornamental wrought iron cresting to roofs, terminals to towers, railing round gallery inside of main tower and brackets under ditto, stancheon and saddle bars, balusters and railing for principal staircases and entrance steps | Per lb | 0 25 | To be taken by the net weight including all rivets, screws, screw-bolts, nuts, washers, lead, and leading in fixed and finished off complete. |
| 180 | Wrought iron work to gallery in boiler houses, including fixing | do | 0 15 | Do do |
| 181 | Wrought iron railing and balusters to basement steps and areas, roof straps, chimney bars and other similar works. | do | 0 12½ | Do do |
| 182 | Wrought iron cramps for cut stone work | | 0 09 | To be taken net weight, the fixing included in the price of the cut stone. |
| 183 | Ventilators for rooms in basement | Each | 2 50 | This price includes fixing and left in complete working order. |
| 184 | Do for all other rooms | do | 8 10 | |
| 185 | Register stove grates for rooms | do | 16 00 | |
| 186 | Setting ditto complete, materials and labor included | do | 2 00 | |

| No. of Item. | Description. | Definition. | Rate. | Mode of measurement. |
|---|---|---|---|---|
| | **Smith and Ironfounder.**--(*Con.*) | | | |
| 187 | Boiler plate iron covering ⅛th thick to doors and frames of boiler houses, including screws and fixing. | Per sup. foot. | 0 50 | |
| 188 | 9 inch bell traps to areas fixed complete | Each | 2 00 | |
| 189 | Cast iron stove pipe rings with flanges. | do | 0 50 | |
| 190 | Rolled iron joists for floors fixed complete | Per ton | 115 00 | To be taken at 2,240 lbs. to the ton weight, the strength to be determined by the following table, the whole to be coated with paint or tar: |

| Length of bearing. | Depth. | Proof weight in centre to each. |
|---|---|---|
| All up to 10 feet. | 4 inches. | 12 cwt. |
| 16 do | 5 do | 12 cwt. |
| 18 do | 5½ do. | 14 cwt. |
| 19 do | 7 do | 27 cwt. |
| 23 do | 8 do | 28 cwt. |

The joists must all bear the above proof weights without deflection.

| | | | | |
|---|---|---|---|---|
| | | | | No allowance to be made for any excess of bearing on walls beyond 9 inches, as specified. |
| 191 | Wrought iron rivetted plate girders, including rivets and fixed complete... | Per ton ..... | 160 00 | To include also two coats of the best boiled oil and red lead paint before fixing. |
| | **Plasterer.** | | | |
| 192 | Lath plaster float and set..... | Per yd. sup. ... | 0 25 | To be measured net dimensions, allowing half measurement for window and door openings, measured from the top of the skirting to the underside of the cornice for walls, and between the inner edge of the cornices for ceilings. |
| 193 | Render float and set on walls..... | do ... | 0 17 | Do. Do. Do. |
| 194 | Plaster moulded cornices ..... | Per ft. sup.... | 0 20 | |
| 195 | Do do with one enrichment.. | do .... | 0 25 | Cornices will be measured from wall to wall. No allowances will be made for mitres. Bracketting and roughing out is included in the price allowed. |
| 196 | Portland cement floors on top of concrete .... . .. | Per yd. sup.... | 0 75 | To be measured to the net finished dimensions. |
| 197 | Lime-whiten basement walls or elsewhere if required. ... | Per sup. yard.. | 0 03 | |
| 198 | Keene's or Martin's cement rendering to walls and floors of W. C's., and floors of record room..... | do .. | 1 00 | To be measured by the same rule as render float and set on walls. |
| 199 | Do do to moulded skirtings 18 inches deep ..... ... | Per lineal foot | 0 35 | To be measured net lengths on completion without any allowance for mitres. |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Plasterer.**—(Con.) | | $ cts. | |
| 200 | Do do to moulded skirtings, 12 inches deep ... ... | Per ft. lineal... | 0 25 | When finished their net vertical depths above the top of the floors are to be of the several dimensions stated. |
| 201 | Do do do do do 6 inches deep | do . | 0 15 | |
| 202 | Cemented arrises to chimney jambs and all other angles in same material | do .. | 0 05 | |
| 203 | Facings to staircase arches in same cement, plain chamfered and moulded. | Per sup. foot.. | 0 50 | To be measured to the net superficial contents of the work without any allowances for circular work, mitres or stoppings in. |
| | **Painter and Glazier.** | | | |
| 204 | German sheet glass ..... ..... | do ... | 0 20 | |
| 205 | Chances do 42 oz. ..... ... | do .. | 0 50 | |
| 206 | Do do 26 " ..... | do. .. | 0 30 | |
| 207 | Obscured glass ..... | do ... | 0 60 | |
| 208 | Rolled sheet glass ribbed for lantern lights ..... ..... ..... | do ... | 0 60 | |

| | | | | |
|---|---|---|---|---|
| 209 | Diapered glass of the value of 80 cents per foot superficial, leaded up with strong church lead, including lead, cement, copper, wire and fixing complete ..... | do ... | 1 10 | |
| 210 | Four coat painting in plain colours including knotting and stopping .. | Per sup. yard . | 0 25 | To be measured to the net superficial contents allowing for glazed sashes one half of their superficies. |
| 211 | Graining and twice varnishing add to the above .... ..... .. . | do . | 0 35 | |
| 212 | Painting cresting and terminals picked in chinese blue, add to the price of plain work. ... ..... | do .. | 0 50 | To be measured on each face as if solid work. |
| 213 | Bronzing balusters of principal staircases, add to the price of plain work. | do .. | 0 75 | Do do do |
| 214 | Gilding, including all necessary preparation ... ..... | Per square inch | 0 03 | |
| 215 | Cleaning, staining and twice varnishing on pine, and twice oiling and twice varnishing on oak ..... ... .. | Per sup. yard.. | 0 20 | |
| | **Plumber.** | | | |
| 216 | Sheet lead including laying, nails, scaffolding, filleting, grooves in walls, cement for stopping grooves, flashings, soldered joints and every thing complete .... .. | Per cwt..... | 14 00 | To be calculated at 112 lbs. to the cwt. net weight in finished work. No allowance made for ornamented cuttings. |
| 217 | Lead piping including solder joints, fixing, cutting and holdfasts complete ..... .. | do | 14 00 | Do do do |
| 218 | Solder for wiped joints in cisterns..... | Per lineal foot. | 0 60 | To be measured to the net lengths of the completed joints. |

## SCHEDULE OF PRICES.—(*Continued.*)

| No. of Item. | Description. | Definition. | Rate. | Mode of Measurement. |
|---|---|---|---|---|
| | **Plumber.**—(Con.) | | | |
| | | | $ cts. | |
| 219 | Galvanized sheet iron covering to decks of main roofs and elsewhere required, dressed over rolls, (No. 24 guage) | Per square..... | 18 00 | To be measured to the net superficial surface, including 3 rivets to each heading joint on the flats, well soldered along their entire length, nailed to the rolls with galvanized iron nails. |
| 220 | Water closet apparatus including queen's ware basin, all levers, cranks, wires, valves, brass sunk dished handle pulls, soil pipe, trap and trap screw, service box and supply or other pipes fixed complete, except ball cock ..... | Each..... .... | 40 00 | |
| 221 | $1\frac{3}{4}$ inch ball cocks with copper balls including fixing..... ..... | do ..... | 6 00 | |
| 222 | 1 inch do do .. | do ..... | 4 00 | |
| 223 | $1\frac{1}{2}$ trap screw washers to waste pipe from urinals and wash basins..... | do ..... | 2 50 | |
| 224 | Plated taps with plugs, washers and chains to wash basins..... ... | do ..... | 6 00 | |
| 225 | $\frac{3}{4}$ inch stops cocks to urinals..... .. | do ..... | 2 00 | |
| 226 | Iron tubing for gas service fixed complete, any size from 2 inches downwards..... | Per lineal foot . | 0 15 | |

| | | | | |
|---|---|---|---|---|
| 227 | Bells for rooms complete in every respect ..... | Each ..... | | 5 00 |
| 228 | Do to outside doors do ... | do .. | | 10 00 |
| 229 | 3 inch brass hydrants fixed where and as directed ..... | do .. | | 8 00 |
| 230 | 2 inch brass cocks for do ..... | do .. | | 4 50 |

**Days Work.**

| | | |
|---|---|---|
| 231 | Days work to be paid at 20 per cent above the rates current in Ottawa, no extra allowance to be made for foremen. | |

Examined by us as to description and mode of measurement of works, and consider them so explained as to avoid misunderstanding.

CHS. BAILLARGÉ, Architect,
THOS. FULLER, Architect.

(Signed,) RALPH JONES,
" EDWARD HAYCOCK,
" THOS. C. CLARKE.

U. J. TESSIER, *C. P. W.*

(Signed,) JOSEPH SHEARD, } Witnesses.
" T. TRUDEAU. }

# INDEX.

QUEBEC:
PRINTED BY GEORGE DESBARATS,
PRINTER TO THE QUEEN'S MOST EXCELLENT MAJESTY.

1863.