

PAPERS

RELATING TO THE

GREYMOUTH PROTECTIVE WORKS.

PRESENTED TO BOTH HOUSES OF THE GENERAL ASSEMBLY, BY COMMAND
OF HIS EXCELLENCY.

WELLINGTON.

—
1872.

SCHEDULE OF CORRESPONDENCE.

No.	Date.	From.	To.	Subject.
	1872.			
1	Feb. 11	Mr. Blackett ...	Mr. O'Connor ...	Telegram, instructions to report and advise on damage by flood at Greymouth.
2	Feb. 13	Mr. O'Connor ...	Mr. Blackett ...	Telegram, reports estimate of works necessary for protection.
3	Feb. 15	Ditto ...	Ditto ...	Report on damage done by flood.
4	March 1	Mr. Blackett ...	Mr. O'Connor ...	Remarks on foregoing report.
5	Feb. 16	Hon. Mr. Fox ...	Mr. H. Lahman ...	Referring to advance of money to Corporation of Greymouth.
6	Feb. 16	Ditto ...	Mayor of Greymouth	Referring to advance of money to Corporation of Greymouth.
7	Feb. 22	County Council, Westland		Extract from proceedings.
8	Feb. 27	Mr. Whall ...	Hon. Mr. Fox ...	Forwarding copy of resolutions of Corporation.
9	March 5	Mr. Blackett ...	Mr. Maude ...	Forwarding papers and plans, with remarks.
10	March 8	Corporation of Greymouth	His Excellency the Governor	Deed of Assignment of tolls and wharf dues, to secure £4000 and interest.

PAPERS RELATING TO THE GREYMOUTH PROTECTIVE WORKS.

No. 1.

Mr. BLACKETT to Mr. O'CONNOR.

(Telegram.)

Wellington, 11th February, 1872.

Proceed at once to inspect damage by flood at Greymouth, and report what can be done to provide against further damage, the protective works to be part of future Railway works for which expenditure General Government will be responsible. Also advise local authorities as to best immediate action in the emergency on their part. Report also what other protective works will be required irrespective of Railway.

JOHN BLACKETT.

No. 2.

Mr. O'CONNOR to Mr. BLACKETT.

(Telegram.)

Greymouth, 13th February, 1872

Re Grey Wharf.—The works necessary to protect town are as follows:—1st. 5 chains stone facing, £500; 2nd. 6 chains wharf, £2700; 3rd. 20 chains stone facing with clay backing, £5500; 4th. Raising and reforming 20 chains street, £1500; 5th. Strengthening and scrubbing 11 chains wharf, £1000; total £11,200. Of these items, 1 and 3, £6000 will be a necessary part of Railway line as its commencement, and item 5 would be required if the exportation became considerable. I have advised Borough Council to commence item 1 and 2 at once, they could be finished in about six weeks, and sufficiently for protection in about a fortnight. Item 3 will take several months, but should be begun at once. Also the Borough Council Engineer, Mr. Johnston, being at Reefton, they wish me to take the works in hand for them. Will you instruct me on this point. Will send full report of damage done and works proposed by first mail. I think the cause of this flood having been so high, was a large deposit of shingle just above lower gorge. It is working its way through and down river.

C. Y. O'CONNOR.

No. 3.

From Mr. O'CONNOR to Mr. BLACKETT.

SIR,—

Survey Office, Greymouth, 15th February, 1872.

I have the honor to forward herewith a report written by Mr. Browne, the District Surveyor, for your information, relative to the nature of the late flood, and a map of part of Greymouth in explanation of it and the following remarks on damage done. Also tracings of the works proposed between Breakwater and Tainui streets, and between Boundary and Johnston streets.

The breakwater near Maori Cemetery, which was recently erected by the Corporation, gave way at an early stage of the flood, the river having undermined the stonework, which was simply laid on the surface, and a strong current set down the Quay and into the Tidal Creek through all the cross streets.

About three chains of timber facings downward from breakwater were carried away, and the whole work to Tainui street, which consists of a single row of piles sheeted with 3" planking, was greatly shaken. This work has been in existence three years, and it is now evident that it, and the roadway along it, are at least 3 feet too low for high floods.

From Tainui to Boundary streets, the wharf consists of a double row of piles 15 feet apart decked over, and has recently been repaired and strengthened by new face piles at intervals of about 10 feet. The decking of this work stands 3 feet over level of caps of facing above described. It was only slightly shaken, but the bank behind it was somewhat scoured.

From Boundary street to Johnston street where protection work ended, the facing consisted of a single row of piles sheeted with 3" planking and held by land ties; its cap was at the same height as upper face work, viz., 3 feet too low. This facing was also five years old, without recent repairs, and was carried away completely leaving the bank from Boundary street to Arney street exposed to the full action of the river. The roadway was cut across to N.E. corner of Johnston street, and along half the block of houses between Johnston and Arney streets was undermined.

In the following description of works proposed, the Nos. given in telegram of 13th instant are adhered to, but here they are described consecutively from E. to N., not in the order of their importance as there given.

PAPERS RELATING TO THE

Nos. 1 and 3.

These works, as shown on cross sections attached, are designed to consist of stone facing set at upper end, where it starts from the rocks, and crosses road line on a foundation excavated to low water mark, built up vertical at back (close against timber facing where it exists), and battering 3" in foot on face to a top width of 5 feet. Where the shingle on site of wall is already under low water mark I purposed allowing the stones to take their natural slope until they reached that level, and then building face to batter as before described. The top level of wall is shown 3 feet over cap of present facing.

No. 4.

This consists of raising the roadway from Breakwater to Werata street, a height of 3 feet over its present level, and is indicated on cross sections above mentioned. The roadway is about 100 feet in width.

No. 5.

The work proposed between Tainui and Boundary streets consists of additional piles, about seven to the chain, between those lately driven, and scrubbing face of bank. I have not yet prepared a plan for it, as it will not be necessary to undertake it immediately.

No. 2.

This work, as shown on plan, is purposed to consist of three rows of piles, the first row having twenty-two piles to the chain, and each of the others seven to the chain. I have shown the covering, &c., complete, but it will not be necessary to cover it at present, only the sheet caps and bearers being required for strength. The inner rows of piles in this case would be required for staying, even if not requisite for other reasons, as the outer row will be an average of 40 feet from river bank.

Having been directed by the Premier (Mr. Fox) on his arrival to put the works of greatest emergency in hand at once, I have been necessarily a good deal engaged in getting together the requisite labour and materials. I hope you will take the fact into consideration in judging of the data forwarded, which I am aware presents the appearance of having been hurriedly prepared.

The excavation for walls, about 20 feet of the wall itself, and the tramway from quarry have been done towards protection at upper end, and five piles have been driven between Boundary and Johnston streets. I purpose having another steam engine at work there on Monday. Mr. Johnston returned from Reef-ton this evening, so that I will now be relieved of the absolute supervision of the men. The works undertaken so far have been at upper end on behalf of the native trust as arranged with Mr. McKay by telegram to-day, and at lower end on behalf of the Borough Council, in accordance with a resolution of theirs dated 13th instant, empowering me to act for them.

I have, &c.,

CHAS. Y. O'CONNOR,
District Engineer.

John Blackett, Esq., Assistant Engineer-in-Chief.

Enclosure in No. 3.

From MR. BROWNE to MR. O'CONNOR.

SIR,—

Survey Office, Greymouth, 15th February, 1872.

If according to your request I have the honor to forward the following description of the flood at Greymouth for the information of the Chief Engineer.

On Thursday the 9th inst. the river showed us unusual signs of flooding till about 10 a.m., it being then high water, when the lower part of the town was under water, as is usual after heavy rains. During the day, however, the water rose rapidly till about 5 p.m., when the river showed unmistakable signs of overflow. At the top of Mawhera Quay, in front of the Ferry Hotel, the water commenced to ripple on the roadway. Rising gradually it soon cut out for itself a new channel along Mount street. Sufficient water got through in a short time to the Tidal Creek at the back of the Post Office to carry away a number of small cottages on its banks, which came with such force against the Tramway bridge, that the abutments gave way, and the whole mass of *debris* was carried off into Hospital street, at its junction with Tainui street. At this point, a large bonded store which stood on the bank of the Tidal Creek, was nearly carried away later in the evening, when the water rushed down Tainui street like a mountain torrent, making it unsafe for even the large cargo boats which were employed to convey whole families from the lower part of the town to safer quarters. About 1 a.m. on Friday the water had reached its greatest height, and great fears were entertained that the whole of the front street would get swept away as the water was rushing over the breast works.

From 5 to 7 a.m. on Friday the greatest damage was done to the lower part of Richmond Quay, where house after house could be seen smashing up and floating away until about seventy houses, large and small, were destroyed. Many of these were carried along Arney street and deposited wholly on and near the Camp Reserve. It was not till late on the afternoon of Friday, that the waters subsided sufficient to allow people to get about.

I have, &c.,

J. R. BROWNE,
District Surveyor.

C. Y. O'Connor, Esq., District Engineer, Hokitika.

GREYMOUTH PROTECTIVE WORKS.

5 D.—No. 10.

No. 4.

From Mr. BLACKETT to Mr. O'CONNOR.

SIR,—

Public Works Office, Wellington, 1st March, 1872.

I have the honor to acknowledge the receipt of your report of the 15th ultimo, on the damage by flood at Greymouth, enclosing plans of proposed works, with reference to those designed for the 25 chains, between the breakwater and Tainui street. I might say that they are in accordance with my own views as to what is necessary, and such as I have always recommended, care must be taken, however, to have the footing of all the walling, rather below low water mark if possible, and the largest stones that can be procured and handled should be used in its construction.

The work must be well banded with frequent through stones, and the whole may be as rough as possible, consistent with sound work. Very little dressing will be needed on the face.

The batter you have given to the face may do next the river, but towards the upper end a little below, where the wall turns off at an angle to join the solid rock of the cliff, the batter should be gradually increased, so that it may really present up-stream a flat fore shore of stone, becoming almost perfectly flat where it joins the solid rock, making thus a passage for the road. This I have represented in sketches on sheet attached.

I am in doubt whether the whole 25 chains between this place and Tainui street will be needed for Railway work, possibly not, the width of the filling from the face of the stone wall across the road towards the houses must also be a matter for consideration. You have not stated any proposed width, but no more need be done than will be really necessary for safety until we determine what width will be required for Railway purposes.

It is however very likely before we have proceeded far, that some arrangement will be made between the Government and the Local authorities by which the whole width of filling will be carried out, both for Railway and Road, leaving for future adjustment the proportion chargeable to each.

The wood work as designed is, as far as I recollect, a reproduction or nearly so, of what has been erected before, and will answer the purpose as long as it remains sound, but it must not be lost sight of, that stone work will eventually be needed, the whole of the way down to ensure real safety to the Town and permanence to the river bank, as well as an improved entrance to the Harbor, the expense of this will however prevent the work being carried out at present.

On receiving the sanction of the Hon. the Minister for the Middle Island for carrying out the work as planned, I will again write to you, meanwhile let all necessary work already authorised, be pushed on as vigorously as possible.

I have, &c.,

JOHN BLACKETT,

Assistant Engineer-in-Chief.

C. Y. O'Connor, Esq., District Engineer, Hokitika.

No. 5.

From the Hon. Mr. Fox, to Mr. LAHMAN.

SIR,—

Greymouth, 16th February, 1872.

Since I had the honor of interviews with you and the Mayor of Greymouth on the subject of an advance by the General Government to the Corporation of Greymouth, for the purpose of repairing or reconstructing the protective works of the harbour, I have consulted the Attorney-General as to the power of the Corporation to deal with the local reserve, and to mortgage its tolls and rates as security for such advance.

With regard to the former, it appears that during the tenure of office by your predecessor, Mr. Hoos, a dispute existed as to whether the County or the Corporation was entitled to this endowment of the Coal Reserve, which dispute appears still unsettled. The Attorney-General thinks that before the Government can be advised to accept the reserve as a security, resolutions should be passed by the County Council and the Corporation respectively expressing their assent to the Governor (in whom the reserve at present is vested), granting it to trustees as security for the advance to the Corporation. I have therefore to request you to obtain from the County Council, if they are willing to give it, such a consent as I have indicated.

The Corporation, in addition to giving its consent to the disposal of the reserve in the above manner, will be required to give a security over the wharfage tolls and other revenue, for the repayment of the advance and interest within a given period. On this I have at this date addressed his Worship the Mayor.

I hope to be in Hokitika in a week or ten days, and shall be glad if you should be able then to report the decision of your Council.

I have, &c.,

WILLIAM FOX.

H. Lahman, Esq., Chairman of County Council.

No. 6.

From the Hon. Mr. Fox, to the MAYOR of GREYMOUTH.

SIR,—

Greymouth, 16th February, 1872.

Since my last interview with you on the subject of an advance of, say £4000 by the General Government to the Corporation of Greymouth, for the purpose of reconstructing the protection

works of the harbour, I have consulted the Attorney-General on the subject of the security proposed to be given by the Corporation for repayment of the principal and interest.

As regards the Coal Reserve, it appears that two years ago there was a dispute as to whether it was to be an endowment for the County of Westland or for the Corporation of Greymouth, and the General Government proposed to assign a moiety to each. Nothing, however, appears to have been finally decided, and the Attorney-General, under the circumstance, considers that the General Government cannot be advised to accept the security unless the County Council and Corporation respectively pass resolutions consenting to the Governor (in whom the reserve is at present vested), granting it to the trustees to secure the advance and interest as proposed.

I have on receipt of the above opinion referred the matter to the Chairman of the County Council, requesting him to ask the Council to pass such a resolution. I should be obliged by your forwarding to me an authenticated copy of the resolutions which I understand the Corporation has already passed to the same effect, and also agreeing to mortgage if required the wharfage tolls and the other revenue of the Municipality.

I hope to be in Hokitika in a week or ten days, when, if the resolutions are passed, I trust to be able to bring this matter to a conclusion. I will take care to intimate to you my arrival there, when, perhaps, it may be desirable that we should again meet for the purpose.

I have, &c.,

His Worship the Mayor of Greymouth.

WM. FOX.

No. 7.

EXTRACT from the PROCEEDINGS of the COUNTY COUNCIL of WESTLAND.

Thursday, 22nd February, 1872.

Resolved—"That the Chairman be empowered to offer the Local Reserve in the Grey District to the General Government as a security for an advance of money to the Borough of Hokitika and Greymouth for the reconstruction of protective works in the said Borough." (On the motion of the Chairman.)

[True Copy.]

A. E. TENNANT,

Secretary to the Council.

No. 8.

From Mr. WHALL, to Hon. Mr. FOX.

SIR,—

Town Clerk's Office, Greymouth, 27th February, 1872.

I have the honor to acknowledge the receipt of your letter of the 16th instant, referring to the Attorney-General's opinion, and resolutions necessary to be passed by the Council of the Borough of Greymouth, consenting to his Excellency the Governor vesting the Grey River Coal Reserve in trustees, to secure an advance from the Government to the said Council, to be expended in reconstructing the Grey River Harbor Protective Works in a permanent manner, and in reply thereto, I am directed by the Council of the Borough of Greymouth to transmit the enclosed copy of resolutions passed by the said Council at a meeting held on the 26th day of February, 1872.

And further, to state that Edmund Wicks, Esq., Mayor, and Martin Kennedy, Esq., Councillor, of the said Borough, were appointed at the said meeting, with authority to execute any deed, matter, or thing necessary on behalf of the Council that the Government may require for the purpose of granting the said advance.

I have, &c.,

JOHN A. WHALL,

Town Clerk.

The Hon. W. Fox, Hokitika.

Enclosure in No. 8.

COPY of RESOLUTIONS.

1st. That this Council do borrow from the General Government the sum of Four or Five Thousand Pounds for the completion of the protective harbor works on the river Grey, to be secured by a mortgage on the reserve known as the Grey River Coal Reserve, numbered 274, in red; such loan to bear interest at such rate as may be agreed upon, and to be repaid at the rate of say Eight Hundred Pounds per annum, as the General Government may direct.

2nd. That this Council hereby signifies its consent to the said coal reserve being vested by his Excellency the Governor in trustees, for the purpose of further securing the due payment of the said loan. The Council of the Borough of Greymouth agrees, when called upon to do so, to mortgage the rates, wharfage rates, tolls, and other resources of the Borough to the extent of say Eight Hundred Pounds per annum, but not exceeding that amount, and to sign such deeds and documents, pass such resolutions, and to do such acts, deeds, and things as may be necessary or requisite for giving such further security as aforesaid.

Passed by the said Council this 26th day of February, in the year of our Lord One thousand eight hundred and seventy-two.

[L.S.]

EDMUND WICKES, Mayor.

JOHN A. WHALL, Town Clerk.

STATEMENT OF LIABILITIES OF THE COUNCIL OF THE BOROUGH OF GREYMOUTH, THIS 29TH DAY OF FEBRUARY,
AND PROFITABLE ASSETS FOR THE YEAR ENDING DECEMBER 31st, 1872.

LIABILITIES.				REMARKS.				ASSETS.				REMARKS.			
				£	s.	d.	£	s.	d.						
To amount of account as per Ledger				£300 payments Pressing	...	...	...	County Council	...	...	...	Date of payment doubtful
Do. of Bills payable due March 7				Rent of Wharves	...	...	...	Payable at £8 per month
Do. do. March 18				Rent of Land	...	...	...	Payable during the month of March
Do. do. March 24				Borough Rates	...	...	...	Payable, say £300 per month
Do. do. April 28...				Wharfage and tonnage rates	...	...	...	Payable, say £100 per month
Do. do. July 9				Sundries, Licences, Fines, &c.	...	...	...
Do. Accounts not rendered, say								
Do. for general repairs to Streets, Bridges, Culverts, and Footways								
Do. Contract to make Hospital Street								
Do. do. Boundary Street								
Do. do. fixing bearers under Wharf								
Do. do. Black Birch piles								
Do. of Overdraft at Bank of N.S. Wales								
								
To Balance being amount in								
Printing, Stationery, and Salaries								
Excess of Assets over Liabilities								
								
Exclusive of Salaries, and General Expenses for the year ending December 31st, 1872								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
									

PAPERS RELATING TO THE

No 9.

From Mr. BLACKETT, to Mr. MAUDE.

SIR,—

Public Works Office, Wellington, 5th March 1872.

I have the honor to forward for the information of the Hon. the Minister for the Middle Island, are the papers and plans relating to Greymouth, and the damage done there by flood, including Mr. O'Connor's report as to the works necessary, attached to which is a copy of a letter to him from me, approving generally of the works proposed, but reserving for Mr. Reeves's final approval, the extent of the works to be undertaken, and the apportionment of the cost especially of Nos. 1, 3, 4 between the Railway and Local authorities. It may not be necessary to adjust those proportions at once but leave it until we are in a position to say exactly what will be required for Railway purposes, and therefore with Mr. Reeves's approval, the work may be proceeded with on this understanding.

As far as I can judge from Mr. O'Connor's report, and my own knowledge of the locality, we cannot well leave out any of the items proposed by him, and it is quite clear, that to protect the Town for the future and to improve and preserve the channel of the river and entrance over the bar, extensive works in stone will be needed all along the river bank nearly to the lagoon. This expenditure however may be spread over many years and need not now enter into our calculations.

Mr. Carruthers looked over the plans, and suggests as an addition and improvement to the stone work, that a trench should be dredged to receive the outer toe or foot of the slope of the rock work on the river, which will tend to make it more secure. I will instruct Mr. O'Connor accordingly.

As the enclosed papers are original records, I should feel obliged by your returning them to this office when done with.

I have, &c.,

JOHN BLACKETT,

Assistant Engineer-in-Chief.

T. W. Maude, Esq., Secretary to Resident Minister, Christchurch.

No. 10.

This Deed made the eighth day of March One thousand eight hundred and seventy-two between the Mayor Councillors and Burgesses of the Borough of Greymouth incorporated under "The Municipal Corporations Acts 1867" hereafter called the Mortgagor of the one part and Sir George Ferguson Bowen Knight Grand Cross of the most distinguished Order of Saint Michael and Saint George Governor and Commander-in-Chief in and over her Majesty's Colony of New Zealand and its Dependencies and Vice-Admiral of the same of the other part WHEREAS by the said Act and by "The Greymouth Quays Act 1869" the Mortgagor is entitled to levy charge and recover certain rates dues and tolls and to receive certain other monies denominated by Clause 200 of "The Municipal Corporations Act 1867" the Ordinary Revenue of the Body Corporate of the Borough And whereas the Mortgagor has applied to his Excellency the Governor to reconstruct the Harbor Works on and for the improvement of the navigation of the River Grey and for that purpose to advance out of the funds at the disposal of the General Government of the said Colony the sum of Four Thousand Pounds the said works to be carried on under the control direction and supervision of the General Government District Engineer and the said sum of Four Thousand Pounds to be paid by instalments from time to time on his certificates as the said works progress to the person or persons entitled to payment for the construction thereof And whereas the said Governor hath agreed to construct such works in manner aforesaid and to advance the said sum of Four Thousand Pounds to be applied in payment thereof as aforesaid on obtaining such security as is hereinafter effected for the re-payment of the said sum of Four Thousand Pounds and interest thereon after the rate of Six Pounds per centum per annum NOW THIS DEED WITNESSETH that in consideration of the premises and of the said sum of Four Thousand Pounds so to be advanced as aforesaid the Mortgagor hath bargained sold assigned transferred and set over and by these presents doth bargain sell assign transfer and set over unto his Excellency the Governor his successors and assigns all and every the rates dues tolls sum and sums of money granted allowed to be taken or made payable to or by the Mortgagor by the said Acts or either of them and being the Ordinary Revenue of the Body Corporate of the said Borough with all and every the ways and means powers authorities and remedies for raising collecting gathering in and receiving the same to have and take and receive the said rates dues tolls sum and sums of money and other the premises hereby assigned or otherwise assured or intended so to be unto and by the said Governor his successors and assigns Provided always and these presents are upon this express condition that if the Mortgagor or its successors or the Treasurer or Receiver of the said rates dues tolls and monies for the time being do and shall well and truly pay or cause to be paid to the said Governor his successors or assigns the said sum of Four Thousand Pounds by six yearly instalments payable on the First day of May in every year during the continuance of this security commencing on the First day of May One thousand eight hundred and seventy-three the amount of each instalment payable during the first five years to be Seven Hundred and Fifty Pounds together with interest on the said sum of Four Thousand Pounds or so much thereof as for the time being remains unpaid in the mean time and thereafter if the same or any part thereof be not then paid after the rate of Six Pounds per centum per annum payable half-yearly on every First day of November and First day of May during the continuance of this security the first payment of such interest to be made on the First day of November One thousand eight hundred and seventy-two then he the said Governor his successors or

assigns will at the request and costs of the said Mortgagor its successors or assigns re-assign to it or them the said rates dues tolls sums and sum of money hereby assigned or intended so to be paid and discharged from the said principal and interest monies secured or intended so to be And it is hereby declared and agreed that in case default shall be made in payment of the said sum of Four Thousand Pounds or of the interest thereof or any part of the same contrary to the true intent and meaning of the proviso or condition hereinbefore contained it shall be lawful for the said Governor his successors and assigns immediately to enter into and upon the receipt of the said rates dues tolls and monies being made or intended as a security thereof to and for his and their own use and benefit without making any demand giving any notice or waiting any period whatsoever and to remain in possession of and collect and receive the same until he or they shall have been fully reimbursed and repaid the said principal and interest monies or so much thereof as shall be then unpaid and due and owing and all costs charges and expenses incurred in collecting the same or otherwise howsoever in consequence of such default and thereafter the said rates dues tolls and monies shall be re-assigned to the said Mortgagor its successors and assigns in manner aforesaid Provided always and it is hereby declared and agreed that until default shall be made in payment of the said sum of Four Thousand Pounds or some part thereof or of the interest thereof contrary to the aforesaid proviso it shall be lawful for the Mortgagor and its successors its and their Treasurer receiver or Agents of the said rates dues tolls and monies for the time being to receive take and retain the said rates dues tolls and monies hereby assigned and pay and apply the same to and for the uses intents and purposes in and by the said first recited Act or any Act or Acts amending the same directed or expressed concerning the same And the Mortgagor for itself and its successors hereby covenants with the said Governor his successors and assigns that the Mortgagor or its successors will well and truly pay the said sum of Four Thousand Pounds and the interest thereof according to the true intent and meaning of the proviso or condition hereinbefore contained and will do and execute all such further or other acts deeds and things as may be requisite for further assuring the premises hereby assigned or intended so to be or for giving complete effect to the security hereby intended to be granted And it is hereby declared that the lastly written covenants shall in no wise be personal ones nor shall the said Mayor Councillors and Burgesses or any or either of them be personally liable under the said covenant or for the principal and interest monies hereby secured or intended to be In Witness whereof the seal of the said Body Corporate hath been hereunto annexed.

The Seal of the Mayor, Councillors, and Burgesses, of the Borough of Greymouth
was affixed on the eighth day of March, 1872, to the above-written deed in
the presence of

EDMUND WICKS, Mayor.
MARTIN KENNEDY, Councillor.
JOHN H. WHALL, Town Clerk.
