

552

552

FILE NO. 552.RANGITOTO QUARRY.

Including: Occupation by Army, Erection of various Buildings etc., Hire of Gear and Plant by P.W.D. and Contractors, and Removal of A.H.B. Gear and Plant from Quarry.

VARIOUS.

16th January, 1948.

357
Mr. Smart,
Northern Plant Zone,
Public Works Department,
Fanshawe Street,
AUCKLAND. C. 1.

Dear Sir,

RANGITOTO QUARRY PLANT.

Enclosed please find copies of our Inventories Nos. 20 and 21 of plant at Rangitoto Quarry when taken over by your Department, as requested by you verbally today.

Please note that Inventories are less following items:-

- No. 20 Inventory less Gas Producer (worn out).
 - 2 Turntables to be returned to A.H.B.
 - 1 Bench Vice to be returned to A.H.B.
- No. 21 Inventory less Gas Producer (worn out).
 - 2 Side Tip Trucks to be returned to A.H.B.

A copy of the inventory was sent to the District Engineer on 17th September, 1942.

Yours faithfully,

NPA:EERB.

ASSISTANT ENGINEER.

EXTRACT FROM BOARD'S RESOLUTIONS OF TUESDAY, 17th. OCTOBER, 1944.

3. BOARD IN COMMITTEE.

Report of Board in Committee, dated 10.10.44.

That the report be adopted.
(Extract below).

2. RANGITOTO QUARRY.

Letter from Land Purchase Officer, Public Works Department, 21.9.1944, re Rangitoto Quarry, stating that approval had been obtained to settlement of the Board's claim by payment of the sum of £8,500, and asking that the matter be now referred to the Board for final ratification, and that a letter be sent to him, offering on behalf of the Board, to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery thereon; Superintendent's report thereon, 23.9.1944, recommending that the settlement be approved and a letter sent in the terms requested by the Land Purchase Officer. (Referred back by Board).

Recommended:-

That the settlement recommended by the Special Committee be approved and a reply be sent to the Land Purchase Officer that the Board is prepared to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery as set out in the Superintendent's letter to the District Engineer, Public Works Department, dated 29th. March, 1944.

SPECIAL MEETING

BOARD IN COMMITTEE.

TUESDAY, 3RD OCTOBER 1944, AT 2.45 P.M.

PRESENT:- The Chairman (Mr. J.H. Frater), Messrs. T.A. Bishop, F.H. Gifford, E.J. Phelan, J. Melling, J.H. Kinnear, H.R. Mackenzie, G.E. Carr, E.V. Sutherland, H. Turner, W.F. McCallum and J.B. Donald.

The following matter was considered:-

RANGITOTO QUARRY.

The Chairman explained that he had called Members together to correct a misapprehension which had arisen in connection with the disposal of the Rangitoto Quarry and plant to the Crown. In the original report of the Superintendent and Engineer to the Special Committee in March last it was stated that the Quarry site to be handed over was a leasehold one only, but it now transpired that the Crown desired the Board's own Quarry reserve of 49½ acres to be included in the price of £8,500.

The Acting Engineer (Mr. Vickerman) stated that the Board's area was not suitable for quarrying satisfactorily and, for this reason, the Board had acquired the lease of Messrs. Traves' Quarry alongside and had worked it in preference to the Board's own site. He did not consider the Board's site had now much value as it would not be economic or satisfactory for it to be re-opened under the conditions which existed to-day, particularly as it would be impossible to house the men in the same manner as previously as modern dwellings with up-to-date conveniences would probably now be required.

Several Members having expressed themselves as against parting with the freehold of the Quarry the Chairman stated that he would move in open Board that the matter be referred back to the Committee for further consideration.

The Meeting terminated at 3.5 p.m.

CONFIRMED:

CHAIRMAN.

26th September, 1944.

The Chairman moved:-

That orders be placed with Messrs. R.R. Fisher & Co. for four Mobile Stacking Hoists and with Messrs. A.D. Riley & Co. Ltd. for two 5 ton Morris Mobile Cranes at the prices set out in the report of the Superintendent and Engineer. Carried.

7. REMISSION OF DEMURRAGE - BOND & BOND LTD.

Letter from Bond & Bond Ltd., 15.9.1944, asking the Board to make a reduction in the demurrage charges levied on approximately 283 tons of peas ex "Waiana" for shipment to India per "City of Canberra" held up and finally shipped via Sydney on account of oil leaking into this vessel's holds; Superintendent's report thereon, 21.9.1944, recommending that, under the circumstances, a remission of half the total charges be made, thereby reducing the charge to £29.4.7.

The Chairman moved:-

That the report be adopted. Carried.

8. SHIPPING.

Report of Harbourmaster, 9.9.1944, re Shipping etc. for the month of August 1944, Auckland and Manukau.

The Chairman moved:-

That the report be received and lie on the table. Carried.

Mr. T.A. Bishop here vacated his seat (5.0 p.m.)

With consent of Members the following items of extraordinary business were dealt with:-

9. RANGITOTO QUARRY.

Letter from Land Purchase Officer, Public Works Department, 21.9.1944, re Rangitoto Quarry, stating that approval had been obtained to settlement of the Board's claim by payment of the sum of £8,500, and asking that the matter be now referred to the Board for final ratification, and that a letter be sent to him offering, on behalf of the Board, to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery thereon; Superintendent's report thereon, 23.9.1944, recommending that the settlement be approved and a letter sent in the terms requested by the Land Purchase Officer.

The Chairman moved:-

That the settlement recommended by the Special Committee be approved, and a reply be sent to the Land Purchase Officer that the Board is prepared to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery thereon. Carried.

10. INVESTIGATION OF LOCAL GOVERNMENT BY PARLIAMENTARY COMMITTEE.

Letter from Harbours Association of New Zealand, 15.9.1944, re investigation of Local Government by Parliamentary Committee, asking the Board to submit to him as soon as possible any evidence it desired to be brought before the Committee in connection with the matters set out in the Order of Reference submitted by the Department of Internal Affairs.

The Chairman moved:-

That the matter be referred to the Chairman, Deputy Chairman, Mr. F.E. McKenzie and the Superintendent to investigate and report back to the Board in Committee. Carried.

The Meeting terminated at 5.8 p.m.

CONFIRMED:

(Please turn over) - CHAIRMAN.

EXTRACT FROM BOARD'S RESOLUTIONS OF TUESDAY, 3rd. OCTOBER, 1944.

3. BOARD IN COMMITTEE.

Report of Board in Committee, 26.9.1944.

Clause 6 - Rangitoto Quarry - was referred back to Committee for further consideration.

(See copy of Board in Committee's report attached).

Auckland Harbour Board

REPORT OF BOARD IN COMMITTEE.

TUESDAY, 26TH SEPTEMBER 1944, AT 3.0 P.M.

PRESIDENT:- The Chairman (Mr. J.H. Frater),
Messrs. T.A. Bishop, F.H. Gifford, J.H.
Kinnear, J. Melling, H.R. Mackenzie, E.V.
Sutherland, G.E. Carr, H. Turner, F.E.
McKenzie and J.B. Donald.

Your Committee has the honour to report as follows:-

1. ACCOUNTS.

Recommended:-

That Accounts as per Accounts for Payment Book (folios 28 - 33 inclusive) amounting to £79,531.18.11, be passed for payment as follows:-

General Account	27,785.10.11
Loan Account No.18	50,126.14. 0
Reserve Funds	1,566.12. 8
Workers' Accident Insurance	53. 1. 4

Total £79,531.18.11

2. NORTHCOTE VEHICULAR LANDING.

A deputation was received from the Northcote Borough Council and other organisations interested, consisting of the Mayors of the four North Shore Boroughs and representatives of the Waitemata County Council, Carriers' Association and Northcote Ladies' Progressive League (18 in all), asking that the Northcote Vehicular Landing be retained and put into such a condition as would enable the service to be reinstated; together with telegram from the Hon. R. Semple, Minister of Works, 25.9.1944, asking that every consideration be given to maintaining the existing services until it was possible to provide alternatives.

Recommended:-

That the decision of the Works Committee, as confirmed by the Board, and the reasons for arriving at such decision be submitted to the Hon. Minister of Works for his comment, and that demolition of the landing be deferred until after consideration at the next meeting.

3. DINGHY LOCKERS - HOBSON BAY.

Report of Works Committee, 19.9.1944, re thefts from Dinghy Lockers and provision of extra water facilities, Hobson Bay, recommending that the Superintendent's suggestion that the tops of each tier of lockers be close-boarded be approved, and that an additional water tap be installed at each end of the platform.

Recommended:-

That the report be adopted.

4. COST-OF-LIVING BONUS - SUPERANNUITANTS.

Report of Superannuation Committee, 19.9.1944, recommending that the principle of paying the cost-of-living bonus to those Superannuitants entitled to receive it be affirmed; payment to become effective as at 1st October 1943.

Recommended:-

That the report be adopted.

(Please turn over)

26th September, 1944.

5. REMISSION OF DEMURRAGE -- BOND AND BOND LTD.

Letter from Bond and Bond Ltd., 15.9.1944, asking the Board to make a reduction in the demurrage charges levied on approximately 283 tons of peas ex "Waiana" for shipment to India per "City of Canberra" held up and finally shipped via Sydney on account of oil leaking into this vessel's holds; Superintendent's report thereon, 21.9.1944, recommending that, under the circumstances, a remission of half the total charges be made, thereby reducing the charge to £29.4.7.

Recommended:-

That the report be adopted.

6. RANGITOTO QUARRY.

Letter from Land Purchase Officer, Public Works Department, 21.9.1944, re Rangitoto Quarry, stating that approval had been obtained to settlement of the Board's claim by payment of the sum of £8,500, and asking that the matter be now referred to the Board for final ratification, and that a letter be sent to him, offering on behalf of the Board, to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery thereon; Superintendent's report thereon, 23.9.1944, recommending that the settlement be approved and a letter sent in the terms requested by the Land Purchase Officer.

Recommended:-

That the settlement recommended by the Special Committee be approved, and a reply be sent to the Land Purchase Officer that the Board is prepared to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section 1, Block XI, Rangitoto Survey District, including the plant and machinery thereon.

(Signed) J.H. FRATER

CHAIRMAN.

23rd September, 1944.

The Chairman,
A.H.B.

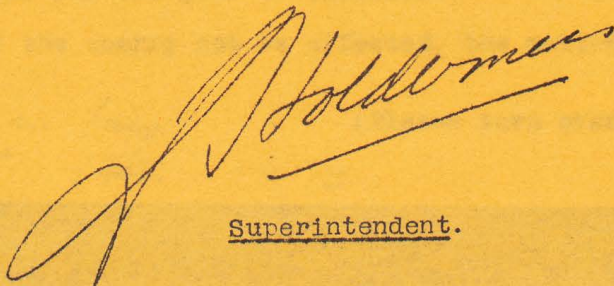
TRANSFER OF RANGITOTO QUARRY TO CROWN.
SETTLEMENT OF BOARD'S CLAIM.

In March 1944 a special Committee, consisting of the then Chairman, Deputy Chairman and Chairman of the Works Committee, set up to negotiate a settlement in regard to the taking over of the Board's quarry at Rangitoto by the Crown as a Naval establishment, advised the Public Works Department Land Purchase Officer that, provided the Crown would pay that amount, the Committee would recommend the Board to accept the sum of £8,500 in full settlement.

The Land Purchase Officer writes under date 21st September stating that approval has been obtained for settlement at the figure arranged and asks that the matter be submitted to the Board for final ratification.

He asks that a letter be sent to the Department by the Board offering to accept the sum of £8,500 in full and final settlement of all claims in respect of the taking for defence purposes of the area of 49½ acres, being Section I, Block XI, Rangitoto Survey District, including the plant and machinery thereon.

I recommend that the settlement be approved and a letter sent in the terms requested by the Land Purchase Officer.



Superintendent.

The Resident Engineer,
Public Works Dept.,
Cautley Street,
Devonport, AUCKLAND, N.I.

5th September, 1944.

Dear Sir:

Your letter 3/3 dated 14th ultimo, regarding 1,270 feet of 40-lb. rails, two only four-wheeled trucks and two only side-tip trucks ex the Board's Rangitoto Quarry, which have been on hire to your Department since May, 1942, has been received.

All this equipment was used by the Public Works Department at a ^{Quarry} gear emplacement site known in your Department as the A.T.B. site in the vicinity of the Board's Rangitoto Quarry, and the rails are still permanently fixed in position thereat.

The Board's Officer in Charge of Gear & Tools last visited Rangitoto on 11th September, 1943, to check up on this equipment and, after his inspection, he reported that the two side-tip trucks and one of the four-wheeled trucks were still at the A.T.B., the other four-wheeled truck being missing although it also was previously in use there.

The hire of this gear was arranged by one of the Public Works Department overseers named P. E. Reddaway, who prior to his transfer to another job arranged with his successor to return the gear to the Board in Auckland as it would only be in the way of naval operations at Rangitoto Quarry if returned thereto, but these arrangements were not carried out. As I understand Reddaway is still in the Public Works Department's employ, it is suggested that you confirm this with Reddaway himself.

As you are probably aware, negotiations are at present in progress regarding the sale of the whole of the Board's quarry and equipment at Rangitoto to the Public Works Department, and your suggestion that the Board should consider selling the rails and trucks at present on hire would cause unnecessary complications to the sale of the quarry as a whole, as these items are included in the inventory of plant and equipment already under offer to your Department.

The simplest way out is for the matter to be left in abeyance pending the final decision regarding the purchase of the quarry and, until such time, as from 1st August, 1944, the Board will not render any further accounts for hire charges for the gear in question.

Should the sale of the quarry not be effected, the matter can then be reconsidered.

* office note

Valuation of Gear on Hire
Hire Charges rendered
to 31 July 1944

£ 160/19/-
190/13/2
1944/7/30

Hire figures
CUB

(Please turn over.)

SECRET

CONFIDENTIAL

(When filled in)

TO: THE RESIDENT ENGINEER, P.W.D. FROM: THE SUPERINTENDENT & ENGINEER

Reference is made to the letter of the 2nd September 1944, in which you requested that I should be pleased to pass for payment the accounts for hire rendered monthly to and including 31st July, 1944.

The accounts for hire have been rendered monthly to and including 31st July, 1944, and I should be pleased if such accounts as are still outstanding could now be passed for payment.

The Resident Engineer, P.W.D.

-2-

5th September, 1944.

Accounts for hire have been rendered monthly to and including 31st July, 1944, and I should be pleased if such accounts as are still outstanding could now be passed for payment.

Yours faithfully,

SUPERINTENDENT & ENGINEER.

DH:AML.

*The letter was seen by
Asst. Accountant on 4/9/44
AM*

JW.AWC.

PUBLIC WORKS DEPARTMENT.

3/3.

AUCKLAND HARBOUR BOARD SECRETARY'S OFFICE
RECD 17 AUG 1944
ACKED
ANSD

Cautley Street,
DEVONPORT, N1.

The Superintendent
Auckland Harbour Board,
AUCKLAND.

14th August 1944.

Dear Sir:

For some considerable time this Department has been paying hire to your Board for the following equipment:-

- 1,270 ft. of 40-lb rails.
- 2 only four-wheeled trucks
- 2 only side tip trucks.

This gear was originally located at Rangitoto, and hire appears to have been paid up to the end of April 1944:

Further to a recent conversation with Mr Vickerman: It is probable that some or all of this material is in permanent use by the Army.

The Public Works Dept. will be glad to know if your Board would consider selling the equipment, and if so, the price. It is suggested that an allowance be made for the amount of hire previously paid by this Department for this equipment.

Yours faithfully,

Wright
Resident Engineer

AUCKLAND HARBOUR BOARD

Nº 1457

Memorandum

From

Gen & Tools Dept,
INSPECTOR AT

To

4th September 1966

THE ENGINEER

A. B. B.

Reply, P. W. Dept.

Gen in Rangitoto Quarry

I beg to report that

The undernoted gear was on hire to the above, P. W. Dept, on work at Rangitoto. Dates & Costs as follows.

1240 Yd. Rails approx 5000 yd	August 1966 & Feb 67.	2:16.8
2 Cracks & wheels	"	0 5.0
2 Side by Cracks	"	2: 2.0
		<u>£ 5.3.8</u>

No further charges for hire of above to be rendered in meantime, pending decision on sale of Rangitoto Quarry equipment to P.W.D.

(vide letter to Res. Eng. P.W.D.
Newport dated 9/9/66
in file 554)

Combsley
Foreman of Works.

Signature.....

COPY
SEE ALSO SECRETARY'S FILE

29th March, 1944.

The District Engineer,
Public Works Department,
AUCKLAND. C.1.

Dear Sir, Rangitoto Quarry Site and Plant.
Your File P.W.8/97/1.

With further reference to the occupation for Defence purposes of the Board's Quarry at Rangitoto and compensation to be paid to the Board therefor, and particularly to the interview on 16th instant between the undersigned and your Messrs. Carter and Prince, I have to advise you that, subject to subsequent confirmation by the Board, a special Committee has assessed the Board's claim at £8,500.

The Committee sustained the view expressed in my letter of 17th August 1942 that the quarry should be taken over as a complete unit, the individual items of equipment being of no value to the Board except as part of a fully equipped quarry.

The compensation is based upon the figures submitted to you with my letter of 17th September 1942, with certain deductions and with the addition of a claim of £500 for the loss of the quarry. In view of the practically unlimited supply of stone which would have been available to the Board had the quarry not been taken over by the Crown and the excellent working faces which had been developed, I think you will agree that this latter item is extremely reasonable and a considerable under statement of its value to the Board.

Details of the claim are as under:-

1. Plant and Machinery as per Inventory No. 20	£2585. 0. 4		
<u>less</u>			
Gas producer worn out	£108. 0. 0		
2 turntables returned to Board after use at Motutapu	15. 0. 0		
1 Bench vice returned to Board	<u>2. 1. 0</u>	<u>125. 1. 0</u>	2459.19. 4

P.T.O.

2. Plant, building and Machinery
as per Inventory No. 21

£6522.11. 6

less

Gas producer worn out £440. 0. 0

2 side tip trucks returned
to Board after use at
Motutapu 42. 0. 0

Extra depreciation on
item "Sheds & Hopper"
£3820 500. 0. 0

982. 0. 0 5540.11. 6

£8000.10.10

Loss of Quarry

500. 0. 0

Total say £8500

An early indication that your Department will be prepared to settle on this basis will be appreciated so that the matter may be submitted to the Board for final ratification.

Yours faithfully,

Superintendent.

DL.MIJ

559
20th March, 1944.

The Chairman,
A.H.B.

RANGITOTO QUARRY AND STONE CRUSHING PLANT.

The occupation of Harbour Board lands for war purposes and payment of rent therefor has for the most part been satisfactorily adjusted in conformity with the Board's wishes and resolutions.

It has been pointed out from time to time, however, that the position at Rangitoto where the Board's quarry has been converted into a permanent Naval establishment, is on a different footing.

It was not the Board's wish, nor would it have been possible had the Board wanted to do so, to prevent the occupation of its property for defence purposes, but the Public Works Department was immediately advised that the Board would demand appropriate compensation.

On 17th August 1942 the District Engineer, Public Works Department, was written to as follows:-

"As you are aware, the Auckland Harbour Board Quarry, Islington Bay, has been completely occupied by the Minister of Public Works, and it appears likely, from the nature of the buildings being erected thereat, that the quarry will be permanently alienated from the Board.

"This occupation has been without consultation with the Auckland Harbour Board and has presumably been effected under "Accommodation Emergency Regulations 1941" and subsequent amendments.

"Although the quarry was not working at the time it was occupied for Defence purposes it was nevertheless a complete and fully equipped quarry maintained by the Board against the prosecution of works involving the use of large quantities of quarried stone. The nature of the occupation has led to the loss of many items of plant and destruction of others.

"It would appear to me most equitable in every way that the site and all plant should be taken over as provided for under Clause 6 of the 1942/182 Amendment, by which Regulation No. 7 of the "Accommodation Emergency Regulations 1941" is amended by the addition of 7 (a).

"This course is suggested because the quarry plant is of no value to the Board without a quarry, while the individual items of plant may well be of use to your Department for installation on works throughout the country. However, I shall be glad of your views as to what should be done to straighten out this rather complicated matter.

"I have no desire to embarrass you when everyone is busily engaged on important national work but, if the course to be pursued is not laid down immediately, there is grave danger of useful plant being destroyed or mislaid and the settlement of the Board's ultimate claim will be rendered very much more difficult for all parties."

From time to time since that date, endeavours have been made to initiate negotiations and the matter is now receiving attention by the Department.

The Board does not own the freehold but occupies the quarry under lease from the Rangitoto Domain Board paying an annual rental of £18.15. 0.

20th March, 1944.

Since 1928 the Board's requirements of quarried stone have been too small to justify staffing and working its own quarry which has been closed and under the supervision of a caretaker only.

The existence of the quarry and plant has, however, acted as a deterrent to suppliers of quarried stone in the matter of prices quoted for the Board's requirements from time to time in the interim.

To be effective as a bargaining weapon for preventing exploitation and the necessity for paying unduly high prices, the Board would have had to be prepared to open up the quarry in the event of the threat that it would do so being ineffective in securing acceptable prices.

Increasing labour difficulties, more particularly in isolated jobs where entertainment for men in their spare time is difficult to arrange, would make me increasingly reluctant to recommend the Board to pursue this course.

Again, to-day men would demand modern dwellings with all up to date appliances and conveniences before they would even consent to live on the job and many thousands of pounds would have to be spent in providing living quarters to replace the roughly built and now decrepit shacks originally constructed from old iron discarded from the roofs of sheds.

Further heavy expenditure would have been required in renewing obsolete or worn out machinery before the quarry could have been put back in commission had this not been rendered impossible by its occupation for its present use.

Stone from Rangitoto has been used by the Board for the most part in the construction of rubble mounds for breakwaters and for enclosing areas for reclamation for which purpose the Board's Quarry has been exceedingly effective and economical, but its purpose has been served and no stone has been quarried therefrom since 1928 when Westhaven Breakwater and the Western Reclamation retaining banks were completed.

In all, from 1914 until 1928, 667,000 cubic yards of stone have been quarried and used in the Board's works. It would be a conservative estimate to assess the saving effected during that time at 2/6d per cubic yard or not less than £80,000.

In the Board's programme of harbour works for very many years ahead the use of rubble will be very restricted and certainly will not be required in sufficient quantity or in places suitable for delivery by barge from Rangitoto.

The existence of the quarry and the large amount of machinery installed there has necessitated the employment of a caretaker whenever the quarry has not been operating, and since 1928 the annual cost of maintenance - including caretakers' wages - has been £263 per annum. The total expenditure under this heading since 1928 has been approximately

... ..	... ..	... ..	... ..	... ..	... ..	£3,700.
During the same period the amount written off the capital value for depreciation has been	... ..	... ..	... ..	... ..	... ..	£7,280.

It is suggested therefore that, with the diminished need for rubble in the Board's works, the annual cost of £263 was already becoming too high a price to pay for a bargaining point in securing lower prices than might otherwise be charged for stone, more particularly since bargaining is quite ineffective unless the Board's needs in this regard are at least 50,000 cubic yards which can be regarded as the minimum quantity that would justify the re-opening of the quarry. Even this quantity might prove quite inadequate over which to recoup the heavy costs indicated above as being involved in re-opening.

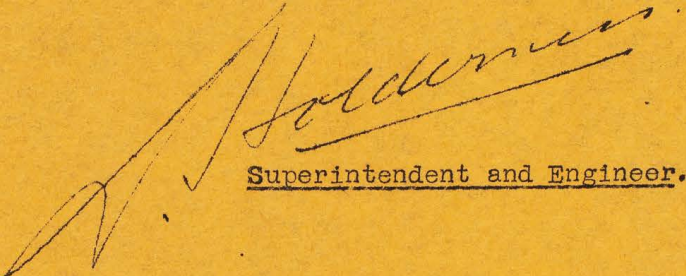
20th March, 1944.

On 1st October 1943 the value of the Rangitoto Quarry and Stone Crushing Plant, as recorded among the Board's assets, stood at £1408.

It is however customary to be on the safe side in recording the value from year to year of wasting assets and a more correct assessment with each item valued separately in the respective inventories of the Quarry and Crushing Plant gives the total value as individually priced articles as £3379.

The matter has now been reviewed for the purposes of sale and it is considered that a reasonable aggregate price to demand for the sale of all plant would be say £8008.

To this should be added an item as compensation to the Board for the loss of the quarry and I would suggest that a suitable figure for this, under the circumstances, would be say £500
bringing the total compensation to a round figure of £8500


Superintendent and Engineer.

DH.MIJ

Capital Expenditure
on Rangitoto Quarries
& Stone Crushing Plant.

Rangitoto Quarries
1913 to 1943. 7632. 3. 6

Stone Crushing Plant 10,574. 10. 1

18,206. 13. 7

There has been no Capital
Expenditure of any moment
on either of the above since
1923.

Rangitoto Quarries

Cost of Caretakers Wages &
incidental expenditure since
quarries closed down in 1928.

Year Ended 30 Sept 1929.	295.	16.	2	
" 1930	299.	4.	9	
" 1931	291.	19.	6	
" 1932	239.	14.	0	
" 1933	243.	8.	0	
" 1934	251.	3.	8	
" 1935	265.	15.	8	
" 1936	270.	1.	5	
" 1937	257.	12.	6	
" 1938	252.	11.	11	
" 1939	262.	19.	10	
" 1940	273.	10.	8	
" 1941	279.	1.	5	
" 1942	201.	7.	6	
" 1943	16.	8.	11	
	3700	15	11	

1929 to 1942

av. £263 per annum including 1943.

Inventory 20.

Gas Producer added £ 100

£ 2500
+ 100

£ 2400

Inventory 21 £ 6480

less Gas producer	420
(Turkey stone)	6040
Equipment, Hoppers &	
foundations	£ 3820
less original	
depreciation taken	500
hoppers	-----
	5540

£ 2400
+ 5540

£ 8000

less of quarry say	1500
	1000

Say £ 9000

2468
5540

8008

1526-3-3-

Auckland Harbour Board

BUSINESS PAPER.

BOARD IN COMMITTEE.

TUESDAY, 14TH MARCH 1944, AT 3.0 P.M.

MINUTES of the previous meeting of Committee dated 29th February 1944 (copy herewith) to be confirmed.

1. To consider and pass Accounts.

TO CONSIDER:-

2. Report of Finance Committee (Meeting to be held on 14th instant).
3. Question of construction of Combined Ferry and Vehicular Wharf in Little Shoal Bay; repairs to Vehicular Pontoon at Birkenhead, and provision of shelter on Bayswater Wharf - Consideration deferred for three months - Letter from Northcote Borough Council, 26.8.1943, asking that the proposal to construct a Central Wharf in Little Shoal Bay be proceeded with; also letters from Waitemata Harbour Bridge Association, 9.12.1943; Automobile Association (Auckland) Inc., 21.1.1944, and Birkenhead Borough Council, 10.2.1944, protesting against the Central Wharf in Little Shoal Bay scheme and requesting that repairs be carried out to the vehicular pontoon at Birkenhead; together with letter from Waitemata Labour Representation Committee, 10.5.1943, asking that better shelter for passengers be provided at Bayswater Wharf - relative reports of Superintendent and Engineer.
4. Report of Superintendent, 10.3.1944, re congestion of and delay to vehicles delivering goods to South boat, Friday, 3rd March 1944. (Copy herewith).
5. Report of Superintendent, 9.3.1944, submitting explanation with regard to statement made by Chief Timekeeper, U.S. Water Division, in letter to Mr. H. Turner, that crane drivers had been asked to work during the recent stoppage on the Waterfront but had refused to do so. (Copy herewith).
6. Report of Acting Traffic Manager, 2.3.1944, submitting list of goods stored in Wharf Transit Sheds at 29th February 1944.
7. Report of Harbourmaster, 13.3.1944, re Shipping for the month of February 1944, Auckland and Manukau.

Auckland Harbour Board

MEMORANDUM

FROM

The Officer in Charge,
Gear and Tools.

To

11th. August 1942.

THE ENGINEER

INVENTORIES NO. 20 & 21.
RANGITOTO QUARRY, PLANT AND GEAR;
ALSO STONE CRUSHING PLANT.
As at 25th. July, 1942.

Sir:

Further to my memo. of 20th. July last, I visited Rangitoto Quarry on Saturday 25th. July and inspected everything. Details and memo. as given on Inventories No.20 & 21 bring everything up to date.

I have drawn up the attached statements in such a way that they show everything in detail and under the following headings:

- (1). Value of Gear as per Inventory.
- (2). Value if dismantled by A.H.B. and brought to Auckland.
- (3). Value of Gear at present in use by P.W. Dept. and Contractors.
- (4). Value of Plant and Gear if sold or taken over by P.W. Dept.

I would direct your attention to the items I do not extend to the outside column. These items, I suggest, should be brought to Auckland. (Boat No.46 is already at the Slipway and Crane No.1 is at Western Wharf.)

With regard to the galvanised iron piping, I went carefully into all this and the locality according to size is given in detail on the attached statement. As to the galvanised iron tanks and iron tanks, I have placed no residual value on these in case of removal.

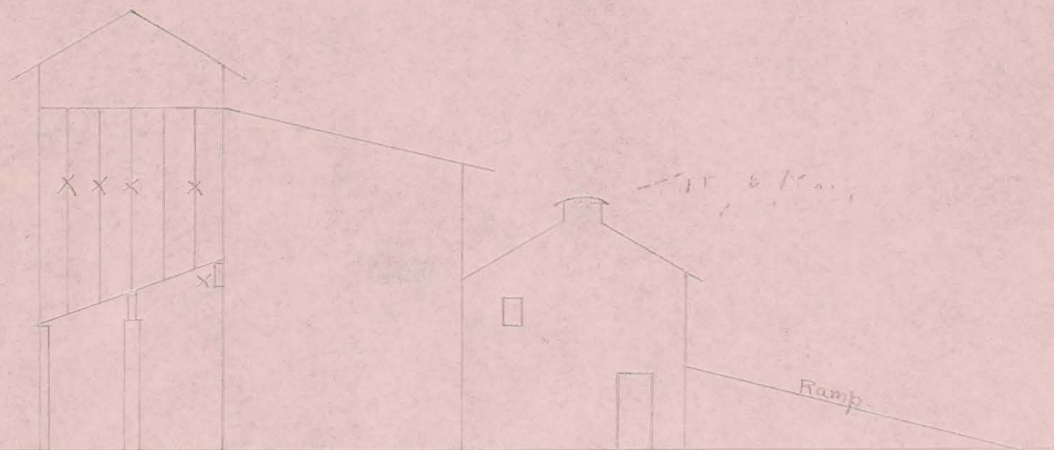
The lighter class of rails is poor compared with the heavier class. The web as well as the bead and flange are very much worn and rusted and easily bent with the least pressure.

The iron work of the old stone carrying boxes would be useful at Auckland.

Re hand power Cranes. Four have been felled, the jibs of two sawn in two, and the iron work remains or is strewn about where the cranes were standing. The iron work of one crane is at the Stone Crushing Plant house. The timber in each case was useless.

Re Bucket Elevator, and Conveyor in Stone Crushing Plant. The timber work would require attention if the plant was put into operation: also the rubber belt here is useless.

The shed housing the Stone Crusher, as per sketch, shows where the timber is rotten and beginning to show signs of falling apart.



X. The timbering here is showing signs of decay.

(over)

The following summary shows the combined values of Inventories No. 20 & 21.

MEMORANDUM

	Value as per Blue Book 30/9/41.	Value as per Inventory 25/7/42.	Value if dismantled by A.H.B. & brought to Auckland.	Value of Gear in use by Contractor & P.W. Dept.	Value if taken over by P.W.D.
Rangitoto Quarry Gear.	£.620. 6. 11.	1526. 3. 5.	1044. 19. 1.	763. 15. 8.	2585. 0. 4.
Stone Crushing Plant.	1407.14. 10.	1852. 9. 9.	888. 3. 7.	181. 18. 9.	6522. 11. 6.
	£2028. 1. 9.	3378.13. 2.	1933. 2. 8.	945. 14. 5.	9107. 11. 10.

I trust the above statements will meet with your approval.

O/C. Gear and Tools.

W. J. Keir



Inventory No 20.

Inventory of Plant & Gear at Tangotoko.
Quarry as at 25th July 1942.

Machinery:-

Air Compressor, "Sugison"
Cylinder 10" Dia
10" Stroke.
225 R.P.M.

Spd of free air 206 cub ft.
per minute.

B.A.P. registered at full
Load 41.

Class N.B.P. 19746.

1 180 0 0

Air Receiver 7'9" x 9'10"
Old Warner Boiler 100 lbs.
Pressure, with Bourdon's
Pressure Gauge. 150 lbs.

1 58 4 0

Air Receiver 2'3" x 3" 100 lbs.
Pressure with "Bourdon"
Pressure Gauge 150 lbs.

1 7 19 6

Gas Engine, "Kigley"
Cylinders 13" Dia
22" Stroke
43 B.A.P.
180 R.P.M.
Ignition Magneto.

Note:- Crank shaft is this 118.

Magneto stored with the Dept.

16nd 212 0 0

Gas Producer, "Cambridge"
Patent Suction Producer.
Capacity 45 B.A.P.
Fuel, Coal or wood.

1 108 0 0

Shafting:- Main Shaft

2" Dia, Main Shaft

25ft. 2 16 3

2 1/2" Counter Shaft

6ft 1 1 6

Belting

4" Gas engine

144ft. 2 5 9

6 1/2" Air Compressor.

40ft. 10 11

4" Circulating Pump.

20ft. 7 0

2" Blower Forge.

18ft. 4 11

2" Grinder.

16ft. 4 5

3" Band Drill.

15ft. 4 7

Ch. P. = 553.16.10

Wackney Could:-

Pump, circulating, salt water, "Soulds"	1	10	13	4
Forge, Blower, Buffalo. NR2	1	3	15	0
Grinder, turning with stand. 2 turning spres. 9" Dia 1" face, Belt Driven	1	4	10	0
Drilling Machine, for Belt or Hand Drive.	1	5	13	4
Pulleys: cast iron 8" Dia.	1		12	9
" " 24" "	1	2	13	0
Split Hub 12" "	1	1	11	3
" " 18" "	1	2	5	0
" " 36" "	1	4	15	8
" " 48" " x 8"	3	21	18	9
" " 55" " x 16"	1	18	0	0
wrought iron 12" "	3	2	8	9
wood. 12" "	1		18	0

Gear:-

Anvils 1 1/2 cwt	1	3	10	0
" 2 1/2 "	1	5	0	0
Axe, felling.	1		2	6
" "	1		10	2
augers, crank. Spc for No augers.	1		3	0
Blocks, for Lackle				
4" wood.	144	1	5	0
6" "	2 "	2	10	0
3" "	1 "	1	0	0
3" "	1 "	1	0	0
10" " 2 Sheave.	7	13	13	0
Clamp 5. 6"	1		2	0
Crowbars. 3" x 1"	1		4	6
" 4" x 1"	4	1	4	0
Tranes, No Power, 1 1/2 Ton "Beane"	1	48	0	0
" " 1 1/2 " " "	1	48	0	0
" " 1 1/2 " " "	1	48	0	0
" " 1 1/2 " " "Duncan"	1	48	0	0
" " 1 1/2 " "Wagner Porter"	1	48	0	0

247 903 15 70

Gear Contd:-

184. 903 15 10

Crane, Steam NO 2.
 $\frac{1}{2}$ Ton Lift,
 Length of Job Maximum Radius.
 Engine 2 Cylinders, Vertical,
 Dia Stroke.
 Boiler, Vertical, Pressure,
 Height Dia
 Spares: 9 Gear Wheels. 1600 380 0 0

Drills, Jaffer $\frac{7}{8}$ "
 $2'6"$ to $3'9"$ 9 2 7 8

Forges, Blacksmiths 1 2 5 0
 " " 1 2 5 0
 " Portable, Blower only. 1 1 16 0
 " " 1 1 16 0

Jacks, Timber 1 4 0 0

Pipes, Galv. Iron $\frac{1}{2}$ " as follows.
 Used as fencing at Caribaken Cottage 120'
 Lying on Breastwork outside stone
 crushing plant. 42'
 Stone Crushing Plant House. 50'
 Difference no trace. 122 335 4 3 9

Pipes, Galv. Iron $\frac{3}{4}$ " as follows.
 Water Service Pipes at old Lunch Room. 100'
 " " " " Caribaken House 100'
 Wireless Poles " " " 90'
 Known to be buried alongside
 Stone Crushing Plant. 84'
 Water Service at 10 old haches. 100'
 In Stone Crushing Plant Shed. 95'
 Fletcher & Cole. 300'
 Difference no trace 616 1283 16 0 9

Pipes, Galv. Iron 1" as follows,
 In Stone Crushing Plant House 32' 32 - 10 8

Pipes, Galv. Iron $\frac{1}{2}$ " as follows.
 In Stone Crushing Plant House 100'
 as water service pipe for old
 Lunch Room. 50'
 In air Compressor, Engine Room. 60'
 Difference. 32' 242 8 1 4

C.F. 1327-20

Gear Contd.:-

B.F. 1327 2 0

Pipes, Galv. Iron 2 1/2" as follows,
used as waste pipe from air
Compressor & Gas. Engine Room. 33' 33' 1 10 3

Pipes, Galv Iron 3" as follows,
Used as waste pipe from Stone
Crushing Plant Engine Room. 40'
Useless length lying outside
stone crushing Plant House. 42'
Difference. 14' 96' 8 8 0

Screws, Union 3" on No 2
Steam Crane. 1 3 0 0

Blacksmiths Tools:-

Cold Chis 5 1 7 6
Hammers. 2 13 6
Fullers. 2 13 6
Punches. 3 13 6
Snaps. 4 1 7 0
Swages, Top & Bottom. 8 2 14 0
Tongs. 14 4 14 6

Tanks:-

Galv Iron. 600 Gals, at School 1 3 11 6
" " 600 " " House. 1 3 11 6
" " 600 " " Car taken House. 1 3 11 6
Iron. 1800 " " Quarry 1 10 6 8
" 1800 " " " 1 10 6 8

Tramway Plant,

Nails old, approx 40 lbs per yard
In use by Fletcher & Co. Assoc 5020' 5020' 447 13 3
" " " 9 to Dept. for W. Reddaway 1056' 1056' 94 3 2
" " " 9 to Dept. for Dep. work 1270' 1270' 113 4 10

Nails, old, approx 25 lbs per yard.
on Tramway to Stone Crusher. 200'
Lying about Quarry, but
mostly in poor condition 994 1194 20 0 0

Turntables:-

Returned to
Caretaker 16/11/42.

at S. W. Dept. work. Botetapu 2 15 0 0
" Quarry on Fletcher & Coles work 1 7 10 0
Trucks, 4 wheeled for stone carrying boys,
In use with Fletcher & Coles. 6 15 0 0
" " " S. W. Dept. 2 5 0 0
In Shed at Quarry, not in use 3 7 10 0

C.F. 2108 129

Genl Contrl:-

		B.F.	2108.12.9
	Spare cycles for trucks	7	6 11 3
	Spare wheels for trucks.		
	In use by Fletcher's Co.	8	2 6 4
	" " " " " " " "	9	2 12 2
Returns to accountant, 21/9/45.	Vice, Bench, 5" jaw.	1	2 1 0
	" Blacksmiths pin 4"	1	2 17 6

In Use Room.

Tables Wood	16' x 36" x 31"	2	4 0 0
" "	16 1/2' x 36" x 31"	1	2 0 0
	1 In use in new lunch room &		
	2 still in old lunch room.		
Form Seats	16' x 9" x 20"	5	7 4 0
" "	7' 6" x 12" x 20"	1	5 0
	In use in new lunch room.		
Bakers, Gubs	5' 6" x 22" Deep in use	1	2 0 0
	in new lunch room.		

Pottages:-

Carletcher's cottage.	2 Bedrooms,		
	Sitting room, Bathroom,		
	Outside lavatory.	1	180 0 0
1 Bath Gals Subn.		1	1 19 10
1 "Orion" Range with hot water			
top, also shut iron chimney.		1	6 10 6
School Washer's House, 2 Rooms,			
& large verandah.		1	50 0 0
School House, 1 Large & 1 Small Room		1	50 0 0
Cottage, next to Carletcher's cottage.			
2 Rooms.		1	50 0 0
6 Small Houses repaired in a rough			
way. & at present occupied by			
9 W Dept Men.		6	6 0 0
Lunch Room & Cook House at present			
used for 9 W Dept men as sleeping			
accommodation.		1	100 0 0

£ 2585.0.4

Inventory No 21.

Inventory of Plant & Gear at Rangitoto.
Shore Crushing Plant as at 25th July 1942.

Machinery:-

Gas Engine "Crossley"
Type Double opposite cylinders
Cylinders 18 $\frac{1}{2}$ " Dia
" 24" Stroke.
" 180 H.P.
" 170

(Magneto starts with Elec Diff)

Unit 520 0 0

Gas Producer "bambridge"
150 H.P.

Size 5'6" x 4' x 7' High.

Fire Box 39" x 18" x 54"

Scrubbers Size 36" Dia
13'4" High

Gas Box 3' Dia 3'9" High

" Outlet 9" Dia

Scrubber, Sea Water used.

Storage: 400 Gall Tank.

Fuel Pump, 2 Throw Pump
at 45 H.P.m.

Unit 440 0 0

Hoist, "Deane" 10 cwt.

Low type.

4 to 1 "Robertson" friction gear

Drum 6" Dia 15" long

Subtable for 1 $\frac{1}{2}$ " ar wire rope.

1 15 0 0

Pump, Circulating, Salt Water.
H.P.m 1000.

1 10 13 4

Shafting:-

Counter shaft 4'6" x 2 $\frac{1}{2}$ "

1 9 4

" " 4' x 2 $\frac{1}{2}$ "

1 8 5

Plummer blocks 2 $\frac{1}{2}$ "

4 10 0

Pulleys:- Split Steel 7'8" x 20"

1 24 0 0

best Iron 1'8" x 5"

1 11 8

" " 1' x 7"

1 8 1

" " 1' x 3"

1 18 6

Wrought Iron 1'6" x 5"

1 3 9

Wood. 1'3" x 6"

1 17 3

C.F. L 1018.0 4

Machinery Contd.:-

Beltng, camel Hair 14" wide	125'	37	10	0	4
" Bolata 3" x 3 ply.	50'		18	0	
" " 2 1/2" x 2 "	58'		17	2	
Blocks, wood 4" - 1 Sheave	5	2	11	3	
" " 4" - 2 "	1	1	2	6	
" " 4" - 3 "	1	2	1	3	
Vils, Bunch 5 jaw.	1	5	18	9	
Cruch, Stal, Side Lip capacity 1 cub yard. 24" Flat Gauge, Double side Lipping & Bodies. cast Steel wheels 12" dia. axles 2" dia. at P. W. Dep. Depona works	2	42	0	0	
Returned to anchland. 11/9/43. " " Wotafapu	2	42	0	0	
" " Fekter & Coles' work	4	84	0	0	

Stone Crushing Machinery:-

1 Single jaw Crusher 20" x 42"	345	0	0	
2 Double " " 24" x 6"	972	0	0	
1 Rejector Screen Perforated. 42" dia. 6' Long. 1/2 Plate 1 1/2" Boles.				

Slopes 1 in 12

46 10 0

- 1 Bucket Elevator, Inclined type.
16" Bucket, 60' Centre to centre.
of shaft. Takes stone from Crusher.
to Screen over large hopper,
made of 132' of 1 1/2" x 8 ply rubber.
belt to which are secured 165
Buckets of 3/16" steel plates,
spaced at 9 1/2" centre,
Lumber frame 12" x 6" Plana
- 1 Conveyor with counter shaft.
Pulley steel wheel & Pinion
Horizontal 20ft centre to centre.
Sump 24" x 3 1/2" consists of 2
lengths of 6" x 6" Fly Rubber belt, to
which slats are secured.
Lumber frame 12" x 3" Plana.

48' Worn Shafting

16 4 0

1 Pulley Steel 6' 2 1/2" dia

11 12 0

8 " C.S. 14" x 4 1/2" "

14 0 0

Total = 2640 5 3

Stone Crushing Machinery Contd:-

	Pkgs.	
160' Belting 5" x 5 ply		2640 5 3
65' " 5" x 6 "		15 0 0
106' " 6" x 6 "		7 3 7
1 Double Chute		14 2 8
1 Single "		.
1 Smeu "		.
2 Hand Winches		20 0 0

Sheds & Hopper, - Consist of Lumber
& concrete. Corrugated Iron
roof & spouting,
supported on 11/55' concrete
Piles.

3820 0 0

Gear for Hopper Doors consisting
of 3 racks, 3 pinion & 3 chain
wheels

600

£ 6522 11 6

Summary:-

Plant to Quarry Gear for Snowbury
No 20 Total 1 to 5.

2585 0 4

Stone Crushing Plant for Snowbury
No 21. Total 1 to 3.

6522 11 6

£ 9107 11 10

Wm J. Hill
Wm J. Hill

EXTRACT FROM BOARD'S RESOLUTIONS OF TUESDAY, 21st. MARCH, 1944.

2. RANGITOTO QUARRY.

Your report, 17.3.1944, stating that the Public Works Department was now investigating the Board's claim in connection with the occupation of Rangitoto Quarry for National Defence purposes, and suggesting that a small Committee be set up to discuss details with Officers of the Department and arrange a basis of settlement for the Board's approval.

That the Superintendent's suggestion be approved and that a Committee be set up comprising the Chairman of the Board, the Chairman of the Finance Committee and the Chairman of the Works Committee; The Committee to report to the Board in Committee.

DH.MIJ

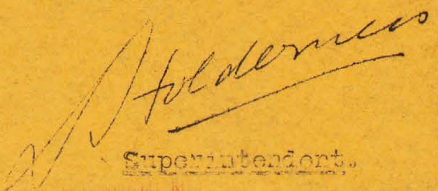
17th March, 1944.

The Chairman,
A.H.B.

RANGITOTO QUARRY.

The Public Works Department is now investigating the Board's claim in connection with the occupation by the Crown of the Board's Quarry at Rangitoto for National Defence purposes.

Tentative discussions have already taken place between officers of the Department and the Board and I would suggest that a small Committee be set up to discuss details and arrange a basis of settlement for the Board's approval.


Superintendent.

91
Store Tools Office -
Engineers Dept.
14th March 1944.

To
The Engineer,
Auckland Harbour Board,

Mangitoto Quarry Seat.

Sir

Regarding my visit to Mangitoto Quarry today, with Mr. Prince of the P. W. Dept., we went over, as the principal items including the rails & tying at the Sun. emplacement site & here we discovered the loss of one chassis belonging to a side Tip Lorry.

Mr. Prince was very much interested in the Stone Crushing Plant. Crushers, The Gas Engines do not draw much attention owing to the present day use of Electric Power. The Gas Producer, the large one that was installed at the stone crushing plant, has been removed & a new Electric Power Station built on this site. He mentioned the values as stated in the Inventory & I learn that application will be made to you for the price paid for the plant etc. & the date when they were installed. This he says will give him the necessary data to work on, bringing them down by depreciation to the present date. Personally I do not agree with him on those lines as his method of

c.t.

In computing the value of plant does not take into account the Board's loss of the Quarry, he admits this point, but has little to say.

Most of the minor gear such as timber jack, auger, wood blocks, blacksmiths tools etc. that were stored in the Stone Crushing Gas Producing Plant shed & other places is nowhere to be seen now.

Also for your information, a few weeks ago a fire broke out somewhere in the region of the roof of the New Power station, spreading into the Stone Crushing Plant Engine Room, destroying the 3 rolls of large belting that were stored there. Carpenters are at present re-roofing the Power Station.

I mentioned about the rails & some other gear at present in use or that was in use at the top of Bengtoto & is still there. These items were not seen by Mr Prince but he is going to get in touch with Mr. Redaway who took them there.

A/c Search Tools.

Wm J Keir.

754

Stone Crushing Plant, Rangitoto

Built 1921-1922,

Started crushing July 1922.

(Copy in Engr. COH 2/168)

Cost.

<u>Labour.</u>	Building sheds, hoppers & erecting machinery &c					2455	4	8.
<u>Materials</u>	180 H.P. "Crossley" engine, freight, new tires, magnets, gas, air and exhaust mains &c &c	822	11	7.				
	150 H.P. "Cambridge" producer, fittings	817	3	9				
	4 H.P. Oil engine ^{40%} & fittings ^{20%} for starting,	60	17	6.				
	Air compressor ^{35%} , Air receiver ^{5%}	86	0	0				
	Stone crushing machinery ex "Jagers, Melbourne". duty &c	2554	3	2.				
	"Luroco" fan, ^{25%} N.S. cyclone pipe & bends ^{25%}	53	12	10.				
	Reaney hoist ^{41%} Hopper doors gear ^{8%}	50	6	0				
	Pulleys, shafting &c	124	10	8				
	Pipe & fittings ^{3"} to ^{8"}	62	1	5				
	Belting 125' of 18"	49	9	7				
	" 11ft 7 1/2" 145' of 2 1/2" 40ft of 3 1/2" 27' 7 1/4" of rollers &c	24	16	11.				
	Cement, 56 tons ^{364%} Shingle 320 ^{191/18}	555	1	8				
	Corrugated iron ^{192/13 1/2} Sponting &c ^{9/15 7/4}	202	9	6				
	Timber for foundations &c	58	0	2				
	Sheet & bar iron	137	12	5.				
	Smithy coal & coke	19	7	7.				
	Cartage ^{6/15 6} , Launch hire ^{58/10}	64	16	9				
	Meals for men	159	11	0				
	Sandries, (Dunstable, C.S. Pates &c)	58	18	10				
	Concrete piles ^{1/55} c 1% ^{378 1/2%} Steel wire ^{151/18} Timber ^{50/3 1/4}	579	17	6		6541	8	10
	<u>Stores issued ex Stock.</u> Timber ^{846/15 1/2} Sandries ^{234/15 1/8}					1081	10	8.
	<u>Plant Allocation, 'Matua',</u> Pledrines & Launches 1921 ^{27 3/4/10} 1922 ^{119 1/10}					386	14	9.
						10,464	18	11.

£

(Estimated cost, £11,000. (see file 682))

RANGITOTO QUARRIES

- Board Commenced Quarrying Operations - November 1913. -

Total amount quarried 1913 to 1938 = 667,457 C. Yards,

Valued at over, £250,000.

This was principally supplied to:-

	Stone.
1914-15 Western Breakwater	65,522 C. Yds.
1915-18 Reclamation - E. of Power Station	32,905 " "
1919-21 Eastern Reclamation - 1919	101,993 " "
1921-24 Eastern Breakwater	158,380 " "
1922-23 Princes Wharf Reclamation	25,708 " "
1922-24 Crushed Stone for Concrete Work	35,045 " "
1923-24 Eastern Reclamation No. 2 (Campbells Point)	45,919 " "
1926-28 Boat Harbour St. Mary's Bay	115,489 " "
1926-28 Western Reclamation & Breakwater Ext.	57,649 " "

In 1922 owing to impossibility of securing suitable shingle the Board installed crushing plant to provide 100 cubic yards concrete aggregate per day.

Quarry has not been worked since 1928, all requirements for stone since that date having been met by contractors, but quarry is maintained in working order and is available if stone required in large quantities, or if unreasonable prices are quoted for supplies.

(Copy sent to Treasurer, 30.9.43).

District Engineer,
Public Works Department.
AUCKLAND, C.I.

30th September, 1943.

Dear Sir,

Your letter P.W.2/23 dated 29th instant with which you returned our accounts for 3/1d. and £7/12/6d. for hire of various gear, has been received.

With regard to the account for 3/1d. for hire of 2 only side tip trucks at Motutapu, these were returned to the Board on 11th August, 1943. This account is therefore in order and is returned herewith.

In connection with the account for £7/12/6, our officer in charge of gear visited Rangitoto on 11th instant to check up on the various gear on hire to your Department and he reports the position on that date as under:-

1 only 1½ cwt. Anvil	Still in use at Motutapu.
1,056 feet 40 lb rail	Still in permanent use by Army at top of Rangitoto.
1,270 feet 40 lb rail	}
2 only 4 wheeled trucks	
2 " side tip trucks	

These three latter items were all used at the A.T.B. by your P.E. Reddaway and the rails are still permanently fixed in position thereat.

The two side tip trucks and one of the 4 wheeled trucks are also still at the A.T.B., the other 4 wheeled truck being missing although it was previously in use there.

I understand that your Mr. Reddaway has now been transferred to another job but prior to his transfer he arranged with his successor to return all this gear to Auckland as it would only be in the way of Naval operations at Rangitoto Quarry if returned thereto, but these arrangements were not carried out. I suggest that you confirm this with Reddaway himself.

You state that your liability to the Board ceased on 3.8.43 but in view of the above facts I think you will agree that your liability for hire charges should continue until the gear has been returned either to Rangitoto Quarry or to Auckland.

Accounts returned herewith.

Yours faithfully,

DH.OM

SUPERINTENDENT & ENGINEER.

P. W. Diff. Range to Sea (11/9/43 Inspected by Ken)

enroll at Wotatapu PWD
1056 ft Nails at Top of Hill, Army PWD
1240 ft " at a S.B. at S. Pine wood PWD

- 2 Cnicks " " wooden & wheel
- 3 Side Lip Souch " "
- 1 Broad Vial

Added to log 2/6/43
with unbacked
trucks.
McLannan 2/8/43.

Address reply to—

The _____ Engineer,
Public Works Department,



In replying

P.W. 2/23.

please quote these numbers.

PUBLIC WORKS DEPARTMENT,

AUCKLAND C.I., N.Z., 29TH SEPTEMBER, 1943.

AUCKLAND HARBOUR BOARD SECRETARIES OFFICE
REGD 30 SEP 1943
ACKGD
AHSD

ACCOUNTS FOR HIRE OF GEAR.

Memorandum for

THE AUCKLAND HARBOUR BOARD,
P.O. Box 1259,
AUCKLAND C.I.

DEAR SIRs,

I RETURN HEREWITH YOUR ACCOUNTS IN THE ABOVE CON-
NECTION FOR 3/10. AND £7.12. 6. AS ALL GEAR WHICH HAS BEEN ON HIRE FROM YOUR
BOARD HAS BEEN RETURNED AS UNDER, WITH THE EXCEPTION OF 1056 FEET OF RAILS WHICH
ARE IN PERMANENT USE BY THE ARMY AT RANGITOTO; ALSO ONE 1½ CWT. ANVIL IN USE AT
MOTUTAPU :-

✓
not used

1 VICE RETURNED TO AUCK. HARBOUR BOARD BY P.E. REDDAWAY.	2.6.43.
2-4 WHEELED TRUCKS. " " PACKING LIST 467.	3.8.43.
1270 FT. RAILS AT RANGITOTO.)	
2 SIDE TIP TRUCKS AT RANGITOTO.) <i>1 at ATB one & 1/2 missing at ATD</i>	

WE NOTIFIED YOUR BOARD OUR LIABILITY CEASED 3.8.43.

MOST OF THIS GEAR WAS BEING USED BY P.E. REDDAWAY
AT THE A.T.B. AT RANGITOTO AND WAS LEFT THERE BY HIM.

YOURS FAITHFULLY,

O. J. Phanton
DISTRICT ENGINEER.

ENCL.

Motutapu

SECRET
12 MAY 1943
EKED
180

P. W. Lupton
Rangitoto
10/8/43.

The Secretary,
Auckland Harbour Bd.,
Auckland

Hired Material

As all material on hire from the
Harbour Bd. has been duly returned, with
the exception of 1270 ft Rails and
one Anvil, we would appreciate an
Account for the hire of the above
items to date.

Yours faithfully,
J. Bennett
T. Bennett

Reddaway 90 x 71
Harris (on 710 72)

AUCKLAND HARBOUR BOARD
SECRETARY'S OFFICE

RECD 7 AUG 1943

ACKGD

ANSD

P.W. Dept.

Rangitoto

5/8/43.

The Secretary,
Auckland Harbour Bd,
Auckland.

We wish to advise that all material on loan by this Dept. has been duly returned, with the exception of 1270 ^{or 1113} feet nails which are still in use at Rangitoto & one anvil in use at Maketapu.

Two ^{4 uncharged wooden} trucks were returned to Auckland, also ^{but received} one ^{increased} ~~vial~~ ^{of 11/43}

The other two ^{1 1/2} trucks have been returned to Quarry at Rangitoto, & 1056 lbs Nails.

1270 ^{Redcliff arranged to send 50 lb of nails + trucks to Auckland.}

Yours faithfully,

J. Bennett

Chief Inspector

M. Keir,

Please note & return

OK.
9/8/43.

Schnapka Bay,
Army P.W. Dept
c/o Colingwood

16th September, 1943.

Commander Ainsley,
O/C Mine Base,
H.M. Navy,
RANGITOTO.

Dear Sir,

Please allow Mr. Reddaway, who is employed by the Public Works Department, to take delivery of two only 30-lb X 30' second-hand railway rails ex Auckland Harbour Board stock at Rangitoto Quarry.

Mr. Reddaway has purchased these from the Board.

Yours faithfully,

SUPERINTENDENT & ENGINEER.

COPY

SEE ALSO SECRETARY'S FILE

Messrs. Fletcher & Cole Associated,
P.O. Box 1147,
AUCKLAND, C.I.

14th December, 1942.

Charges for Hire of Gear at Rangitoto.

Dear Sirs,

Your letter dated 10th instant stating that you are prepared to accept liability for the sum of £90 to cover hire charges for the period of your contract at Islington Bay, has been received.

This is acceptable to the Board and an amended account is enclosed herewith.

In view of the somewhat protracted negotiations in connection with this matter I will be pleased if you will effect early settlement.

Yours faithfully,

DH. OM

SUPERINTENDENT.

552

COPY

SEE ALSO SECRETARY'S FILE

Messrs. Fletcher & Cole Associated,
P.O. Box 1147,
AUCKLAND, C.I.

26th November, 1942.

Dear Sirs,

CHARGES FOR HIRE OF GEAR AT RANGITOTO.

Your letter dated 10th instant with regard to our account of £94.17. 9d. for hire charges on gear etc. ex this Board's Rangitoto Quarry used by your company on the erection of the Mine Base at Rangitoto, has been received.

The Board's Officer in Charge of Gear and Tools, from whom the account originated, is an exceedingly conscientious officer who is noted for the accuracy of his returns and you will note from the copy of his report attached that he disagrees in many respects with the details given in your foreman's report, for instance one of the major items charged against your firm was for 5,020 lineal feet of 40 lb. rail. This was measured by him and represents 2,510 lineal feet of railway track, which closely coincides with your foreman's figure of 2,480 feet

P.T.O.

of track. The turntable was already in the track and therefore must also have been used.

I think you will agree that the temptation to an industrious foreman to use gear and material lying unused and handy to his job to expedite construction, is very great and it is quite likely that much more gear and material was actually used during the period covered by the charge than was included in our account, however, in view of the conflicting reports by the two officers concerned and the impossibility of reconciling the two statements, I am willing to accept a sum of £75 in full settlement of our claim for the period covered by our account and £15 per month until completion of your contract.

On receipt of your acceptance of these terms an amended account will be rendered.

Yours faithfully,

DH, OM

SUPERINTENDENT.

Auckland Harbour Board

MEMORANDUM

FROM

The Officer in Charge,

Gear and Tools.

To

17th. November, 1942.

THE ENGINEER

RE HIRE CHARGES FOR
RANGITOTO GEAR TO
FLETCHER & COLE ASSOCIATED.

Sir,

With reference to the attached letter regarding charges made against Fletcher & Cole Associated for the use of Rangitoto Quarry Gear, I have to report that in many respects the details as given by them are quite incorrect.

I note that the Grinder, Anvil, 9 Popper drills, Blacksmith's forge, Timber jack and 2 Vices (bench and blacksmith's) are still in use according to their admission.

Regarding the other items to which they refer, the 5 sets of block and tackle (not only 2 double blocks) and one crowbar were all in use on various parts of the new buildings, but now their use appears to have been discontinued as from 1/11/42. If this is so, where are they now, as they were all in use when I made my inspection?

I maintain that every inch of 300 feet of $\frac{3}{4}$ " galvanised iron pipe was used by this Firm, not merely 150 feet as they say.

Rails, 40 lbs. per yard: It was necessary for me to measure the new tracks as laid down and the lineal measurement was 5020 feet of rails, or 2510 feet of rail track. The turntable was in the track and therefore used by them.

The blacksmiths' gear was all in the Blacksmith Shop and was used by the Firm as stated by the blacksmith on the job.

Six 4-wheeled trucks were used by this Firm, not four as stated, and although they built bodies to suit their own particular work, the bodies of our trucks were simply cast aside. Eight spare wheels for trucks were also used.

Thirteen tables and forms and bakers' tubs were removed from the old lunch room to the new lunch room provided by the Firm for its men, and these were in use there when I made my report.

Four side tip trucks were used.

One hand winch was also used, but is now, according to their letter, broken and of no use.

The following articles mentioned in the foregoing are stated by the Firm as no longer being in use:-

Block and tackle, as at 1/11/42.

Crowbar, " 1/11/42.

Rails, 40 lbs. " 30/9/42.

Side tip truck, " 30/9/42.

But I have no means of verifying this.

O/C. Gear and Tools.

W. J. Keir

552

District Engineer,
Public Works Department,
AUCKLAND, C.I.

6th October, 1942.

Dear Sir,

RANGITOTO QUARRY.

Further to previous correspondence on the above matter it is understood that your department has now demolished the gas producer plant house at Rangitoto, removed the worn-out gas producer and erected a new building for the accommodation of your power plant.

Yours faithfully,

SUPERINTENDENT & ENGINEER.

DH.OM

Auckland Harbour Board.

MEMORANDUM

FROM

The Officer in Charge,
Gear and Tools.

To

5th. October 1942.

THE ENGINEER

RANGITOTO QUARRY GEAR.

Sir:

Mr. Reddaway, of the Public Works Dept., while returning some gear he had on hire for the P.W. Dept., called on me on Friday last and in the course of general conversation he mentioned (not in any way officially) that the P.W. Dept. had demolished the Gas Producer Plant House at Rangitoto, and removed the Cambridge Gas Producer; and had now erected a new building for the accommodation of a Power Plant on this site.

This is for your information.

SEEN

Superintendent
and Engineer
Date: 10/10/42

Letter to
Dist. Eng.
6/10/42

O/C. Gear and Tools.

W. J. Keir

COPY
SEE ALSO SECRETARY'S FILE

The District Engineer,
Public Works Department,
AUCKLAND, C.1.

17th September, 1942.

RANGITOTO QUARRY.

Dear Sir,

Your letter P.W.8/97/1 dated 11th instant re Rangitoto Quarry advising that your compensation officer will be calling on me in the near future and asking for lists of plant etc. at the Quarry, has been received.

As requested, I enclose herewith copy of our Inventories No.'s 20 and 21 of the plant and gear at Rangitoto Quarry and stone crushing plant which can be used as a basis for discussing the amount of compensation to be paid to the Board by your Department. In addition to the machinery and equipment there will be, of course, the value of the quarry itself to be taken into consideration.

Yours faithfully,

DH.OM

Superintendent & Engineer.

Auckland Harbour Board

MEMORANDUM

FROM

The Officer in Charge,

Gear and Tools.

To

12th. August 1942

THE ENGINEER

INVENTORY NO.20.
RANGITOTO QUARRY GEAR.
As at 25th. July 1942.

Sir:

Herewith is attached revised copy of Inventory No.20, Rangitoto Quarry Gear, together with statement of Inventory Account as at 25th. July 1942.

ADDITIONS: Gear and cottages not previously on record, now included in present Inventory and amounting to £448. 8. 9; also sum added to dinghy No.46 brought to Auckland and repaired, and amounting to £2. 10. 5. See statement below for details.

TRANSFERS: Gear transferred to Pile Driver No.2, two pairs blacksmiths' tongs valued at 6/-. This transfer will appear in July transfers.

DEDUCTIONS: Gear found to be worn out, fair wear, and also useless through age; other items missing, presumed stolen, and amounting to £8. 9. 4.

I would draw attention to the class of tools missing and presumed stolen. They are all in the class useful to tradesmen, and Wadsworth is of the opinion that they have been taken by the Contractors' men on the job. Under these circumstances I suggest that £5. 0. 7. be charged against the Public Works Dept. See statement below for details.

Subject to your approval, I suggest that the other items amounting to £3. 8. 9. be written off and herewith attach copy for your authority.

O/C. Gear and Tools.

W. J. Cairns

STATEMENTS.

Gear found to be not previously on record as at time of checking, and now included in the present Inventory:-

ADDITIONS:

7 Blocks, wood. 10". 2 sheaves.	£4. 0. 6.
1 Crank, spl. for screw point auger.	0. 3. 0.
1 Clamp "G". 6".	0. 2. 0.
11 Cottages, bach and lunch room.	436. 0. 0.
6 Hooks with swivel 14", for cranes.	6. 7. 6.
9 Drills, Popper, 7/8", 2'8" to 3'9".	1 15. 9.
	£448. 8. 9.

ADD:

Sum added to value of Boat No.46, repaired and now in good order.	£2. 10. 5.
---	------------

TRANSFER DEDUCTIONS:

The following gear was taken by the engineman of Pile Driver No.2 while erecting the wharf:-

2 pairs blacksmiths tongs.	£0. 6. 0
----------------------------	----------

Debit Pile Driver No.2.

Credit Rangitoto Quarry Gear.

(Over).

The under noted gear was either found to be worn out, fair wear and long service, or stolen, no trace, since the Public Works Dept. job started at a time when the Caretaker was laid up at the house on account of illness.

DEDUCTIONS:

<u>Date entered on Inventory.</u>	<u>Particulars.</u>	<u>Amount.</u>
--	1 Axe, felling; old & well worn; missing, presumed stolen.	£0. 2. 6.
--	1 Auger, L'homme Dieu. $\frac{3}{8}$ " " " "	0. 2. 4.
--	1 " " " " $\frac{3}{4}$ " " " "	0. 2. 6.
--	1 " " " " 1" " " "	0. 3. 6.
--	3 Bits for carpenter's brace. " " "	0. 5. 0.
--	1 Auger bit $\frac{3}{8}$ " screw point. " " "	0. 3. 6.
Dec. 1936.	1 Deck broom, worn out, fair wear.	0. 1. 6.
Aug. 1938.	1 Paint brush, S.T. No.8. worn out, fair wear.	0. 1. 4.
--	1 "G" Clamp 14". Missing, presumed stolen.	0. 15. 0.
--	1 Drill, twist 13/32". " " "	0. 4. 5.
--	1 " " " $\frac{3}{8}$ " " " "	0. 3. 7.
--	1 Hammer, $1\frac{3}{4}$ lbs. Engrs. " " "	0. 2. 6.
--	1 " " D.F. 5 lbs. " " "	0. 4. 0.
--	2 " " " 7 " " " "	0. 9. 0.
--	1 " " " 9 " " " "	0. 6. 9.
--	1 " " 7 lbs. spawling. " " "	0. 5. 0.
--	1 Soldering Iron. " " "	0. 7. 0.
--	84 ft. galv. iron pipe; worn out, useless; brought to Auckland.	1. 6. 11.
--	1 Nail puller. Missing, presumed stolen.	0. 3. 6.
--	20 fms. Manilla rope $3\frac{1}{2}$ " now useless through age.	0. 18. 6.
--	40 " " " $3\frac{1}{2}$ " " " "	0. 6. 8.
--	34 " " " $4\frac{1}{2}$ " " " "	0. 6. 8.
--	25 " " " 6" " " "	0. 4. 2.
--	12 " " " 7" " " "	0. 2. 0.
--	1 Scraper, L.H. useless; broken.	0. 1. 0.
--	1 Pair Snips, Tinman. Missing, presumed stolen.	0. 4. 0.
--	1 Spanner, 20" Clyburn. " " "	0. 10. 6.
--	1 " " Crocodile. " " "	0. 6. 0.
		<hr/>
		£8. 9. 4.

Gear worn out. £3. 8. 9.
Missing, presumed stolen. 5. 0. 7.

£8. 9. 4.

O/C. Gear and Tools.

W. J. Keir

PLANT AND GEAR AT RANGITOTO QUARRY.

STATEMENT OF INVENTORY ACCOUNT FOR YEAR FROM 28th. JULY 1941 TO 25th. JULY 1942.

Debit.			Credit.									
To. Value of Plant and Gear as per Inventory as at 28th. July 1941.			1273	1	10	By. Depreciation @ 10% on principal items.			91	8	4	
Transfer of value of Pipes, from Stone Crushing Plant A/C.			15	16	7	Deductions as per Monthly Statements as sent to Head Office.	222	13	11			
Add: Gear not previously on record, now included in present Inventory.	448	8	9			Deduct: Gear found to be worn out, fair wear, or stolen as at time of checking.	8	9	4			
Added to value of Boat No.46.	2	10	5	450	19	2	Gear transferred to Pile Driver No.2.	6	0	231	9	3
Profit on galvanised iron piping brought to Auckland and taken over by Purchasing & Stores Dept.				109	3	5	Value of Plant and Gear as per Inventory as at 25th. July 1942.			1526	3	5
			£	1849	1	0			£	1849	1	0
To. Value of Plant and Gear as per Inventory as at 25th. July 1942.			£	1526	3	5						

O/C. Gear and Tools.
Wm J. Keir

Auckland Harbour Board

MEMORANDUM

FROM

The Officer in Charge,
Gear and Tools.

To

11th. August 1942

THE ENGINEER

INVENTORIES NO. 20 & 21.
RANGITOTO QUARRY, PLANT AND GEAR;
ALSO STONE CRUSHING PLANT.
As at 25th. July, 1942.

Sir:

Further to my memo. of 20th. July last, I visited Rangitoto Quarry on Saturday 25th. July and inspected everything. Details and memo. as given on Inventories No.20 & 21 bring everything up to date.

I have drawn up the attached statements in such a way that they show everything in detail and under the following headings:

- (1). Value of Gear as per Inventory.
- (2). Value if dismantled by A.H.B. and brought to Auckland.
- (3). Value of Gear at present in use by P.W. Dept. and Contractors.
- (4). Value of Plant and Gear if sold or taken over by P.W. Dept.

I would direct your attention to the items I do not extend to the outside column. These items, I suggest, should be brought to Auckland. (Boat No.46 is already at the Slipway and Crane No.1 is at Western Wharf.)

With regard to the galvanised iron piping, I went carefully into all this and the locality according to size is given in detail on the attached statement. As to the galvanised iron tanks and iron tanks, I have placed no residual value on these in case of removal.

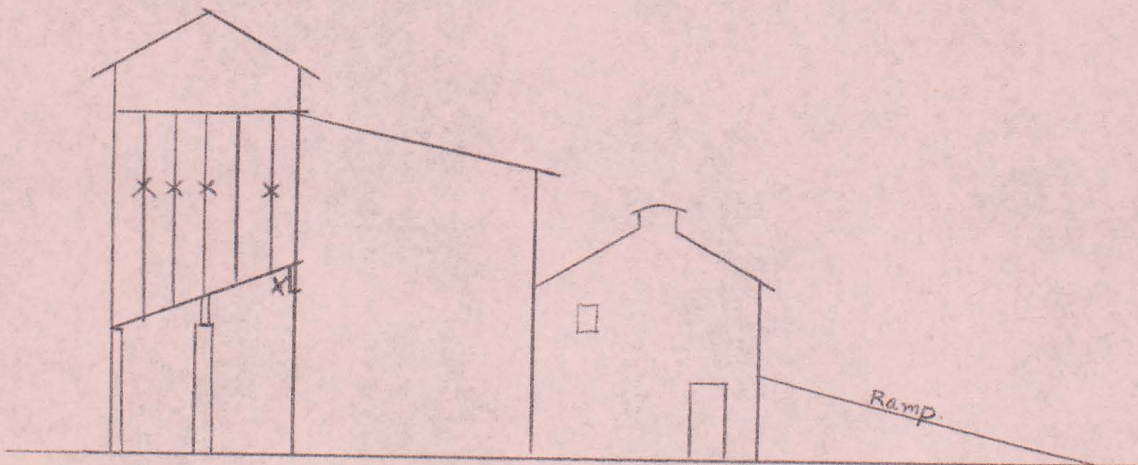
The lighter class of rails is poor compared with the heavier class. The web as well as the bead and flange are very much worn and rusted and easily bent with the least pressure.

The iron work of the old stone carrying boxes would be useful at Auckland.

Re hand power Cranes. Four have been felled, the jibs of two sawn in two, and the iron work remains or is strewn about where the cranes were standing. The iron work of one crane is at the Stone Crushing Plant house. The timber in each case was useless.

Re Bucket Elevator, and Conveyor in Stone Crushing Plant. The timber work would require attention if the plant was put into operation: also the rubber belt here is useless.

The shed housing the Stone Crusher, as per sketch, shows where the timber is rotten and beginning to show signs of falling apart.



X. The timbering here is showing signs of decay.

(over)

The following summary shows the combined values of Inventories No. 20 & 21.

	Value as per Blue Book 30/9/41.	Value as per Inventory 25/7/42.	Value if dismantled by A.H.B. & brought to Auckland.	Value of Gear in use by Contractor & P.W. Dept.	Value if ^{now} taken over by P.W.D.
Rangitoto Quarry Gear.	£620. 6. 11.	1526. 3. 5.	1044. 19. 1.	763. 15. 8.	2585. 0. 4.
Stone Crushing Plant.	1407.14. 10.	1852. 9. 9.	888. 3. 7.	181. 18. 9.	6522.11. 6.
	£2028. 1. 9.	3378.13. 2.	1933. 2. 8.	945. 14. 5.	9107.11. 10.

I trust the above statements will meet with your approval.

O/c. Gear and Tools.

W. J. Reid

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

1.

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.		£. S. D.		VALUE			REMARKS			
	Value as per Inventory.	Value if dismantled by A.H.B. & brought to Auckland.	Quantity	Quantity	£	s	d	Value if sold or taken over by P.W. Dept.	£	S.	D.
INVENTORY OF PLANT & GEAR AT RANGITOTO QUARRY AS AT 25th. JULY 1942.											
=====											
<u>MACHINERY.</u>											
Air Compressor, "Ingersoll". Cylinder, 10" dia. 10" stroke. R.P.M. 225. D/D of free air 206 cubic feet per minute. B.H.P. registered at full load, 41. Class N.E.I. 19746.	1	53	1	3	53	1	3	180	0	0	
Air Receiver, 7'9" x 9'10" Old marine boiler. 100 lbs. pressure. With Bourdons Pressure Gauge, 150 lbs.	1 Unit.	10	12	7	10	12	7	38	4	0	
Air Receiver, 2'3" x 3', 100 lbs. pressure, with Bourdons Pressure Gauge, 150 lbs.	1 Unit.	7	19	6	7	19	6	7	19	6	
Gas Engine, "Keighley". Cylinders, 13" dia. 22" stroke. B.H.P. 43. R.P.M. 180. Ignition Magneto. Note: Crank shaft in Shed 118. Magneto stored with Electric Dept.	1 Unit.	133	13	6	133	13	6	212	0	0	
Gas Producer, "Cambridge" Patent Suction Producer Capacity 45 B.H.P. Fuel, coal or wood.	1	37	4	0	37	4	0	108	0	0	
Shafting: Main shaft, 2" dia.	25 ft.	2	10	0	2	10	0	2	16	3	
Counter shaft, 2½" dia.	6 ft.	12	0		12	0		1	1	6	
Carry forward.	£	245	12	10	245	12	10	550	1	3	

(Signature)

Official to whom the articles are placed on charge.

(Signature) *Wm. J. Keir*

Officer i/c. Gear and Tools.

Date 27th. July 1942.

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

2

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			QUANTITY			VALUE			REMARKS			
	Value as per Inventory.	£.	S.	D.	Value if dismantled by A.H.B. & brought to Auckland.	£.	S.	D.	In use by Fletcher & Cole & P.W. Dept.	£.	S.	D.	Value if sold or taken over by P.W. Dept.
Brought forward.	245	12	10	245	12	10				550	1	3	
MACHINERY, Contd.													
Belting:													
7" Gas Engine.	44 ft.	2	3	9	2	3	9			2	3	9	
6½" Air Compressor.	40 ft.		10	11		10	11				10	11	
4" Circulating Pump.	20 ft.		7	0		7	0				7	0	
2" Blower Forge.	18 ft.		4	11		4	11				4	11	
2" Grinder.	16 ft.		4	5		4	5				4	5	
3" Hand Drill.	15 ft.		4	7		4	7				4	7	
Pump, circulating; salt water. "Goulds".	1	6	13	0	6	13	0				10	13	4
Forge, Blower; "Buffalo" No. 2.	1	1	0	0	1	0	0				3	15	0
Grinder, emery; with stand & 2 emery stones 9" dia. 1" face. Belt driven.	1	1	0	0	1	0	0	4	10	0	4	10	0
Drilling Machine, for belt or hand drive.	1		15	0		15	0				5	13	4
Pulleys: Cast iron. 8" dia.	1.		6	4		6	4					12	9
" " 24" "	1	1	2	0	1	2	0				2	13	0
Split steel. 12" "	1	1	2	6	1	2	6				1	11	3
" " 18" "	1	1	10	0	1	10	0				2	5	0
" " 36" "	1	2	10	0	2	10	0				4	15	8
" " 48"x8"	3	12	0	0	12	0	0				21	18	9
" " 55"x16"	1	10	0	0	10	0	0				18	0	0
Wrought iron 12".	3	1	0	0	1	0	0				2	8	9
Wood. 12".	1		5	0		5	0				18	0	0
GEAR:													
Anvils, 1½ cwts.	1	2	6	2	2	6	2	3	10	0	3	10	0
" 2½ "	1	3	2	6	3	2	6	5	0	0	5	0	0
" 2½ "	1	1	16	0	1	16	0						
Axes, felling.	1		2	6		2	6					2	6
" "	1		10	2		10	2					10	2
Augers, crank, special, for hand augers.	1		3	0		3	0					3	0
Blocks, for tackle:													
4" wood.	1 set.		8	0		8	0	1	5	0	1	5	0
6" "	2 "	2	10	0	2	10	0	2	10	0	2	10	0
3" "	1 "	1	0	0	1	0	0	1	0	0	1	0	0
3" "	1 "	1	0	0	1	0	0	1	0	0	1	0	0
10" 2 sheaves.	7	4	0	6	4	0	6				13	13	0
Boat, No. 46. R.B. with 2 rowlocks. At Slipway.	1	10	0	0	10	0	0						
2 Oars, 7 ft.	2		19	4		19	4						
Carry forward.	£	316	10	5	316	10	5	18	15	0	662	5	4

(Signature).....
Official to whom the articles are placed on charge.(Signature).....
Officer i/c. Gear and Tools.

Date 27th. July 1942.

AUCKLAND HARBOUR BOARD

3.

ENGINEER'S DEPARTMENT

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.		QUANTITY		VALUE			REMARKS					
	£.	S. D.	£.	S. D.	£	s	d	£.	S. D.				
Brought forward.	316	10	5	316	10	5	18	15	0	662	5	4	
GEAR, Contd.													
Broom, hair.	1	1	0	1	1	0							
Brushes, paint. ST. small	1	1	3	1	1	3							
" " 2½" flat.	1	2	3	1	2	3							
" " 4½" "	1	5	7	1	5	7							
" Tar, L.H.	1	1	3	1	1	3							
Clock, 8 day. "Ansonia".	1	2	6	1	2	6							
Clamps, "G". 6".	1	2	0	1	2	0				2	0		
Crowbars, 3' x 1".	1	4	6	1	4	6	4	6		4	6		
" 4' x 1".	4	1	4	0	1	4	0			1	4	0	
Cranes, Hand power:													
1½ Tons. "Beaney".	1	10	12	7	10	12	7			48	0	0	
1½ " "	1	10	12	7	10	12	7			48	0	0	
1½ " "	1	7	13	6	7	13	6			48	0	0	
1½ " "Vulcan".	1	7	7	0	7	7	0			48	0	0	
1½ " Mason & Porter.	1	10	12	7	10	12	7			48	0	0	
Cranes, Steam. No.1.													
1½ Tons lift. Length of jib 35'3", maximum radius 28'5". Wheel base 7'4", wheel gauge 7'.													
Engine, 2 cylinders, vertical.													
6" dia. 10" stroke.													
Boiler, vertical, cross tube.													
Pressure, 60 lbs.													
Height 8'2"; dia. 3'2".													
18 Fittings belonging to the above crane stored at Gear & Tools Store. (At Western Wharf).	1 unit.	53	2	11	53	2	11						
Crane, Steam. No.2.													
1½ Tons lift. Length of jib. Maximum radius.													
Engine, 2 cylinders, vertical. Dia. Stroke.													
Boiler, vertical.													
Pressure.													
Height. Dia.													
Spares: 9 Gear wheels.	1 unit.	53	2	11	53	2	11			380	0	0	
Drills, Popper. 7/8". 2'6" to 3'9".	9	1	15	9	1	15	9	2	7	8	2	7	8
Carry forward.	£	473	14	7	473	14	7	21	7	2	1286	3	6

(Signature)

Official to whom the articles are placed on charge.

(Signature) *W. J. Keir*

Officer i/c. Gear and Tools.

Date 27th July 1942.

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

4.

Inventory of Gear and Tools on Charge to :.....RANGITOTO QUARRY.....

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			QUANTITY			VALUE			REMARKS		
	£.	S.	D.	£.	S.	D.	£.	s.	d.	£.	S.	D.
Brought forward.	473	14	7	473	14	7	21	7	2	1286	3	6
GEAR, Contd.												
First Aid Outfit: Ambulance												
Stretchers.	2	5	0	0	5	0						
Forges, Blacksmiths.	1	15	0		15	0	2	5	0	2	5	0
" portable, blower	1	15	0		15	0				2	5	0
" only.	1	1	0	1	0	0				1	16	0
" " "	1	1	0	1	0	0				1	16	0
Hooks, swivel 14", for												
hand cranes.	6	6	7	6	7	6						
Hammers, stone pick.	1	4	6		4	6						
Jack, timber.	1	4	0	4	0	0	4	0	0	4	0	0
Lamp, hurricane.	1	1	4		1	4						
Mattocks and handles.	1	2	0		2	0						
" "	1	4	10		4	10						
Oil Feeders, ½ pint.	1	2	6		2	6						
" " 1 " K,	1	6	0		6	0						
" " 1 quart.	1	3	9		3	9						
" " 1 "	1	3	9		3	9						
Padlocks.	9	1	7	1	7	0						
Picks, ord. & handles.	2	4	2		4	2						
" " "	1	4	1		4	1						
Pipes, galv. iron, ½", as	285'	18	9		8	4				4	3	9
follows:-	50'	6	3									
Used as fencing at Care-												
taker's cottage.	120'											
Lying on breastwork out-												
side Stone Crushing	42'											
plant.												
Stone Crushing plant	50'											
house.												
Difference: no trace.	123'											
as above =	335'											
¾" as follows:-	1283'	10	14	0	3	11	4			16	0	9
Water service pipes at												
old lunch room.	100'											
Water service pipes at												
Caretaker's house.	100'											
Wireless poles at Care-												
taker's house.	90'											
Known to be buried along-												
side Stone Crushing												
plant.	84'											
Water service at 10 old												
baches.	100'											
In Stone Crushing Plant	95'											
shed.												
Fletcher & Cole.	300'							3	15	0		
Difference: no trace.	414'											
Carry forward.	1283'	503.	0. 0.	£495. 0. 8.	£31. 7. 2.	£1318.10. 0.						

(Signature).....

Official to whom the articles are placed on charge.

(Signature).....

Officer i/c. Gear and Tools.

Date 27th. July 1942.....

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

5.

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			QUANTITY			VALUE			REMARKS			
	£	S	D.	£	S	D.	£	s	d	£	S	D.	
	Value as per Inventory.			Value if dismantled by A.H.B. & brought to Auckland.			In use by Fletcher & Cole & P.W. Dept.			Value if sold or taken over by P.W. Dept.			
Brought forward.	503	0	0	495	0	8	31	7	2	1318	10	0	
GEAR, Contd.													
Pipes, galv. iron, 1": In Stone Crushing Plant House, 32'.	32'										10	8	
1½" as follows:-	242'										8	1	4
In Stone Crushing Plant House.	100'												
As Water Service pipe for old lunch room.	50'												
In Air Compressor Engine room.	60'												
	210'												
Difference, As above =	32'												
	242'												
2½" as follows:-	33'	1	0	7							1	10	3
Used as waste pipe from Air Compressor & Gas Engine Room. 33'.													
3" as follows:-	96'										8	8	0
Used as waste water pipe from Stone Crushing Plant Engine Room.	40'												
Useless length lying outside Stone Crushing Plant House.	42'												
Difference =	14'												
As above =	96'												
Saw, docking.	1	15	0	15	0								
" cross-cut, 4'6".	1	1	2	3	1	2	3						
Screws, Union. 3'. On No.2. Steam Crane.	1	3	0	0	3	0	0				3	0	0
Shovels, L.H. Rd.M.	1	5	7	5	7								
" S.H. "	1	2	6	2	6								
Slash hook.	1	8	4	8	4								
Blacksmiths' Tools:													
Cold Sets.	5	1	0	0	1	0	0	1	7	6	1	7	6
Flatters.	2	9	0	9	0			13	6		13	6	
Fullers.	2	9	0	9	0			13	6		13	6	
Punches.	3	4	6	4	6			13	6		13	6	
Snaps.	4	1	0	0	1	0	0	1	7	0	1	7	0
Swages, top & bottom.	8	1	4	0	1	4	0	2	14	0	2	14	0
Tongs.	14	2	2	0	2	2	0	4	14	6	4	14	6
Carry forward.	£ 516	2	9	507	2	10	43	10	8	1352	3	9	

(Signature)

Official to whom the articles are placed on charge.

(Signature) *W. J. R. ...*

Officer i/c. Gear and Tools.

Date 27th. July 1942.

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

6.

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			QUANTITY			VALUE			REMARKS		
	£.	S.	D.	£.	S.	D.	£.	s.	d.	£.	S.	D.
Brought forward	516	2	9	507	2	10	43	10	8	1352	3	9
GEAR, contd.												
Tanks, Galv. iron:												
600 galls. At School.	1	1	11 6							3	11	6
600 " At House.	1	1	6 0							3	11	6
600 " At Caretakers.	1	1	11 6							3	11	6
1800 " iron. At Quarry.	1	1	13 6							10	6	8
1800 " " " "	1	1	13 6							10	6	8
Tramway Plant:												
Rails, old. Approx. 40 lbs. per yard.	2451 & 403	15	0									
	1/3 yds.											
In use by Fletcher & Cole Assoc.	5020'			275	18	4	447	13	2	447	13	2
In use with P.W. Dept for W. Reddaway.	1056'			58	0	8	94	3	2	94	3	2
In use with P.W.D. for Defence work.	1270'			69	16	0	113	4	10	113	4	10
As above=	<u>7346'</u>											
Rails, old. Approx. 25 lbs. per yard.	398 yds.	20	0 0	6	13	4				20	0	0
On Tramway to Stone Crusher, 200'. Remainder 200' lying about quarry, but mostly in poor condition.	994'											
As above=	<u>1194'</u>											
Turntables.	3	13	7 9									
" At P.W.D. work at Motutapu. (2)				8	16	6	15	0	0	15	0	0
At quarry on Fletcher & Cole work. (1)				4	9	3	7	10	0	7	10	0
Boxes, 5'x 4'x 2', as stone carriers. Iron work only of service; wood in all cases useless.	338	67	10 0	33	15	0						
Trucks, 4 wheeled, for stone carrying boxes.	11	14	12 3									
In use with Fletcher & Cole.	6			7	19	6	15	0	0	15	0	0
In use with P.W.D.	2			2	13	4	5	0	0	5	0	0
In shed at quarry, not in use.	3			3	19	5				7	10	0
Carry forward.	11	£1043	3 9	979	6	2	741	1	10	2108	12	9

(Signature)
Official to whom the articles are placed on charge.

(Signature) *W. J. Keir*
Officer i/c. Gear and Tools.

Date 27th. July 1942.

AUCKLAND HARBOUR BOARD

7.

ENGINEER'S DEPARTMENT

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			QUANTITY			VALUE			REMARKS		
	£.	S.	D.	£.	S.	D.	£.	s.	d.	£.	S.	D.
Brought forward	1043	3	9	979	6	2	741	1	10	2108	12	9
GEAR, Contd.												
Spare axles for Trucks.	7	5	3 11	5	3	11				6	11	3
Spare wheels for " In use by Fletcher & Cole.	17	4	1 0									
In Store.	8			1	18	0	2	6	4	2	6	4
As above =	9			2	3	0				2	12	2
	17											
Trucks, sack, 2 wheeled.	1	15	0	1	15	0						
Harp shovels, S.H.												
Broken handle.	1	3	8	1	3	8						
Good.	1	5	0	1	5	0						
Vices, bench. 5" jaw.	1	1	10 0	1	1	10 0	2	1	0	2	1	0
" Blacksmiths, pin. 4"	1	2	0 0	2	0	0	2	17	6	2	17	6
Wheelbarrows; wheels & iron work only of use.	5	15	0	5	15	0						
Wheelbarrows, wood.	1	1	10 0	1	1	10 0						
Stocks & Dies. Duplex, No. 4. 1 set.	1	1	10 0	1	1	10 0						
Exploders, twist; H. & L.T.	1	3	10 0	3	10	0						
IN MESS ROOM.												
Tables, wood. 16'x36"x 31".	2	4	0 0	2	4	0 0	4	0	0	4	0	0
" " 16½"x 36"x 31".	1	2	0 0	1	2	0 0	2	0	0	2	0	0
(1 in use in new Lunch Room, 2 still in old Mess Room.)												
Form seats, 16'x 9"x 20".	8	7	4 0	7	4	0	7	4	0	7	4	0
" " 7'6"x 12"x 20".	1	5	0	1	5	0	5	0		5	0	
In use in new lunch room.												
Bakers' Tubs, 5'6"x 22" deep. In use in new lunch room.	1	2	0 0	1	2	0 0	2	0	0	2	0	0
COTTAGES.												
Caretaker's Cottage. 2 bedrooms, sitting room, bath-room, outside lavatory.		180	0 0	1	180	0 0				180	0	0
1 Bath, galv. iron.		2	13 1	1	2	13 10				1	13	10
1 "Orion" Range, with hot water tap; also sheet iron chimney.		8	14 0	1	8	14 6				8	14	6
Schoolmaster's House; 2 rooms, with large verandah.	1	50	0 0	1	50	0 0				50	0	0
School House; 1 large & 1 small room.	1	50	0 0	1	50	0 0				50	0	0
Cottage next to Caretaker's cottage; 2 rooms.	1	50	0 0	1	50	0 0				50	0	0
6 small houses repaired in a rough way & at present occupied by P.W.D. men.	6	6	0 0	6	6	0 0				6	0	0
Carry forward	£	1426	3 5	1039	19	1	763	15	8	2485	0	4

(Signature).....
Official to whom the articles are placed on charge.(Signature).....
Officer i/c. Gear and Tools.

Date 27th. July 1942.

AUCKLAND HARBOUR BOARD

8.

ENGINEER'S DEPARTMENT

Inventory of Gear and Tools on Charge to : RANGITOTO QUARRY.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			£	QUANTITY		VALUE			REMARKS			
	£	S.	D.		£	S.	D.	£	s	d	£.	S.	D.
				Value as per Inventory.			Value if dismantled by A.H.B. & brought to Auckland.	In use by Fletcher & Cole & P.W. Dept.			Value if sold or taken over by P.W. Dept.		
Brought forward.	1426	3	5	1039	19	1		763	15	8	2485	0	4
<u>COTTAGES, Contd.</u>													
Lunch Room & Cook house, at present used for P.W. Dept. men as sleeping accommodation.	1	100	0	0	5	0	0				100	0	0
	£	1526	3	5	1044	19	1	763	15.	8	2585	0	4

(Signature)

Official to whom the articles are placed on charge.

(Signature) *Wm. Keir*

Officer i/c. Gear and Tools.

Date 27th. July, 1942.

Auckland Harbour Board.

MEMORANDUM

FROM

The Officer in Charge,

Gear and Tools.

To

14th. August, 1942.

THE ENGINEER

INVENTORY NO.21.
RANGITOTO STONE CRUSHING PLANT,
As at 25th. July 1942.

Sir:

Herewith is attached revised copy of Inventory No.21, Rangitoto Stone Crushing Plant, together with statement of Inventory Account as at 25th. July 1942.

O/C. Gear and Tools.

W. J. Keir

STONE CRUSHING PLANT AT RANGITOTO QUARRY.

STATEMENT OF INVENTORY ACCOUNT FOR PERIOD FROM 28th. JULY 1941 TO 25th. JULY 1942.

Debit.				Credit.					
To. Value of Plant and Gear as per Inventory as at 28th. July 1941.		2073	10	1	By. Depreciation @ 10% on principal items.	205	3	9	
					Transfer to Rangitoto Quarry Gear.	15	16	7	
					Value of Plant and Gear as per Inventory as at 25th. July 1942.	1852	9	9	
		£	2073	10	1	£	2073	10	1
To. Value of Plant and Gear as per Inventory as at 25th. July 1942.		£	1852	9	9				
					O/C. Gear and Tools.				
					<i>W. J. Reid.</i>				

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

1.

Inventory of Gear and Tools on Charge to : RANGITOTO STONE CRUSHING PLANT.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			£.	QUANTITY S. D.			VALUE= £ s d			REMARKS £. S. D.		
	Value as per Inventory.	Value if dismantled by A.H.B. & brought to Auckland.	In use by Contractors & P.W. Dept.		Value if sold or taken over by P.W. Dept.								
INVENTORY OF PLANT & GEAR AT RANGITOTO STONE CRUSHING PLANT AS AT 25th. JULY 1942.													
<u>MACHINERY.</u>													
Gas Engine, "Crossley". Type, double opposite cylinders, 18½" dia. 27" stroke. H.P. 180. R.P.M. 170. (Magneto stored with Electric Dept.). 1 Unit.	172	14	3	172	14	3				520	0	0	
Gas Producer, "Cambridge". 150 H.P. Size, 5'6"x 4'x 7' high. Fire size, 39"x 18"x 54". Scrubbers, size, 36" dia. 13'4" high. Gas box, 3' dia. 3'9" high. Gas outlet, 9" dia. Scrubber, sea water used. Storage, 400 gall. tank. Fuel pump, 2 throw plunger at 75 R.P.M. 1 Unit.	118	4	11	118	4	11				440	0	0	
Hoist, "Beaney", 10 cwt. Low type. 4 to 1 Robertson friction gear. Drum 6" dia. 15" long. Suitable for 1¼" cir. wire rope. 1	7	8	11	7	8	11				15	0	0	
Pump, Circulating; salt water. R.P.M. 1000. 1	6	12	11	6	12	11				10	13	4	
Shafting: Counter-shaft, 4'6"x 2½". " " 4' x 2½". Plummer blocks, 2½". 4		9	4	9	4					9	4		
		8	5	8	5					8	5		
		10	0	10	0					10	0		
Pulleys: Split steel. 7'8" x 1'8". " Cast iron. 1'8" x 5". " " " 1' x 7". " " " 1' x 3". " Wrt. iron. 1'6" x 5". " wood. 1'3" x 6". 1 1 1 2 1 1	8	10	4	8	10	4				24	0	0	
		15	0	15	0					1	11	8	
		9	0	9	0					1	8	1	
		15	0	15	0					1	18	6	
	1	0	0	1	0	0				1	3	9	
		13	0	13	0					17	3		
Carry forward	£	318	11	1	318	11	1			1018	0	4	

(Signature)

Official to whom the articles are placed on charge.

(Signature)

Officer i/c. Gear and Tools.

Date 25th. July 1942.

AUCKLAND HARBOUR BOARD

ENGINEER'S DEPARTMENT

2.

Inventory of Gear and Tools on Charge to :.....RANGITOTO STONE CRUSHING PLANT.....

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			£.	QUANTITY			VALUE			REMARKS		
	£.	S.	D.		£.	S.	D.	£.	s.	d.	£.	S.	D.
Brought forward	318	11	1	318	11	1				1018	0	4	
<u>MACHINERY, Contd.</u>													
Belting; Camel hair, 14" wide. 125'	20	5	0	20	5	0				37	10	0	
Balata, 3"x 3 ply. 50'	18	0		18	0					18	0		
" 2½"x 2 " 58'	17	2		17	2					17	2		
Blocks, wood: 4". 1 sheave. 5.	1	17	6	1	17	6				2	11	3	
" " 4". 2 "	1	15	0	1	15	0				1	2	6	
" " 4". 3 "	1	1	7	1	7	6				2	1	3	
Vice, bench. 5" jaw. 1	1	5	0	1	5	0	3	18	9	3	18	9	
Trucks, steel, side tip; capacity, 1 cubic yard. 24" rail gauge. Double side tipping V bodies. Cast steel wheels, 12" dia. Axles 2" dia. 8	37	4	0										
P.W.D. Defence Work, 2				9	6	0	42	0	0	42	0	0	
" Motutapu. 2				9	6	0	42	0	0	42	0	0	
Fletcher & Cole, 4				18	12	0	84	0	0	84	0	0	
	8												
<u>Stone Crushing Machinery.</u>													
1 Single jaw crusher. 20"x 12".										345	0	0	
2 Double " " 24"x 6" "										972	0	0	
1 Rejector screen, perforated, 42" dia., 6' long. ¼" plate, 1½" holes. Slopes 1 in 12.										46	10	0	
1 Bucket Elevator, inclined type. 16" buckets 60' centre to centre of shaft. Takes stone from crusher to screen over large hopper. Made of 132' of 14"x 8 ply rubber belt to which are screwed 165 buckets of 3/16" steel plates, spaced at 9¼" centres. Timber frame 12"x 4" Rimu.													
Carry forward.	£	383	0	3	383	0	3	171	18	9	2598	9	3

(Signature).....

Official to whom the articles are placed on charge.

(Signature).....

Officer i/c. Gear and Tools.

Date 25th. July 1942.

AUCKLAND HARBOUR BOARD

3.

ENGINEER'S DEPARTMENT

Inventory of Gear and Tools on Charge to : RANGITOTO STONE CRUSHING PLANT.

NOTE—Alterations to, or any entries of quantities on this inventory may be made only by the Officer i/c. Gear and Tools. The Official to whom the articles are placed on charge is not relieved of responsibility for such articles until the inventory has been altered.

ARTICLES (Description)	£. S. D.			£. QUANTITY			VALUE			£. REMARKS				
	Value as per Inventory.	Value if dismantled by A.H.B.& brought to Auckland.		S.	D.	£	s	d	Value if sold or taken over by P.W.Dept.	S.	D.			
Brought forward	383	0	3	383	0	3	171	18	9	2598	9	3		
<u>Stone Crushing Machinery, Contd.</u>														
1 Conveyor, with counter shaft, pulley, spur wheel and pinion. Horizontal 20' centre to centre. Size 24"x 3½". Consists of 2 lengths of 6"x 6 ply rubber belt to which slats are secured. Timber frame, 12"x 3" Kauri. 48' main shafting, 4". 1 Pulley split wheel, 6 2" dia. 8 Pulleys, cast iron, 14"x 4'6" dia. 160' belting, 5"x 5 ply. 65' " 5"x 6 " 106' " 6"x 6 " 1 Double chute. 1 Single " 1 Small "										16	4	0		
										11	12	0		
										14	0	0		
										15	0	0		
										7	3	7		
										14	2	8		
1 Hand winches.	1 Unit	452	9	0	452	9	0	10	0	0	20	0	0	
Sheds & Hopper, consist of timber & concrete. Corrugated iron roof & spouting. Supported on 11/55' concrete piles.	1 Unit	1015	1	2	50	15	0				3820	0	0	
Gear for hopper doors, consisting of 3 racks, 3 pinions & 3 chain wheels.	Lot	1	19	4	1	19	4				6	0	0	
		£	1852	9	9	888	3	7	181	18	9	6522	11	6

(Signature) _____
Official to whom the articles are placed on charge.(Signature) *W. K. K. K.* _____
Officer i/c. Gear and Tools.

Date 25th. July. 1942.

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COPY

SEE ALSO SECRETARY'S FILE

District Engineer,
Public Works Department,
AUCKLAND, C.I.

17th August, 1942.

Dear Sir,

RANGITOTO QUARRY SITE.

As you are aware, the Auckland Harbour Board Quarry, Islington Bay, has been completely occupied by the Minister of Public Works, and it appears likely, from the nature of the buildings being erected thereat, that the quarry will be permanently alienated from the Board.

This occupation has been without consultation with the Auckland Harbour Board and has presumably been effected under "Accommodation Emergency Regulations 1941" and subsequent amendments.

Although the quarry was not working at the time it was occupied for Defence purposes it was nevertheless a complete and fully equipped quarry maintained by the Board against the prosecution of works involving the use of large quantities of quarried stone. The nature of the occupation has led to the loss of many items of plant and des-

P.T.O.

truction of others.

It would appear to me most equitable in every way that the site and all plant should be taken over as provided for under Clause 6 of the 1942/182 Amendment, by which Regulation No.7 of the "Accommodation Emergency Regulations 1941" is amended by the addition of 7 (a).

This course is suggested because the quarry plant is of no value to the Board without a quarry, while the individual items of plant may well be of use to your department for installation on works throughout the country. However, I shall be glad of your views as to what should be done to straighten out this rather complicated matter.

I have no desire to embarrass you when everyone is busily engaged on important national work but if the course to be pursued is not laid down immediately there is grave danger of useful plant being destroyed or mislaid and the settlement of the Board's ultimate claim will be rendered very much more difficult for all parties.

Yours faithfully,

SUPERINTENDENT & ENGINEER.

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COPY

SEE ALSO SECRETARY'S FILE

District Engineer,
Public Works Department,
AUCKLAND, C.I.

22nd July, 1942.

A.H.B. QUARRY - RANGITOTO.

Dear Sir,

The occupation of the Board's quarry at Rangitoto firstly by Army and subsequently as a Control Mine Depot, would appear to have permanently alienated this property from Harbour Board occupation, in which case it will become necessary for compensation to be paid to the Board for its interest.

While the quarry had not been worked for some considerable time the plant and equipment were retained at the quarry so that at any time the quarry could be re-opened and a resident caretaker was employed to see that the plant and equipment was not interfered with.

The institution of building operations and the advent of contractors with a large number of employees and the construction of

P.T.O.

-2-

buildings has led to considerable dispersal, loss and use of the Board's equipment, and it is desirable that as much as possible of the remaining equipment should be collected, transported to Auckland and delivered to the Board. Such plant as has been utilised for Military or Naval purposes will require to be paid for either outright or on lease, while equipment which has been demolished or destroyed will require to be paid for.

The Board's officer in charge of this equipment is proceeding to the site and will make a complete statement and further particulars will be supplied to you at an early date.

Yours faithfully,

SUPERINTENDENT & ENGINEER.

DH. OM

Auckland Harbour Board

MEMORANDUM

FROM

The Officer in Charge,

Gear and Tools.

To

THE ENGINEER

20th. July 1942.

GEAR AT RANGITOTO QUARRY.

Sir:

In my Memo. of 15th. August 1941 I recommended that the water and air piping lying at Rangitoto be brought to Auckland. This was done in part in June of this year.

The following is a list of the pipes that were at the Quarry, and as verified:-
As per Inventory.

<u>½"</u>	<u>¾"</u>	<u>1"</u>	<u>1¼"</u>	<u>1½"</u>	<u>2"</u>	<u>2½"</u>	<u>3"</u>
485'	2083'	100'	84'	502'	60'	33'	1846'
<u>Brought to Auckland:</u>							
150'	800'	68'	84'	260'	72'		1750'
useless.							
<u>Differences, but still must be there.</u>							
335'	1283'	32'	--	242'	+ 12.	33'	96'

I was not pleased to find these differences, and after a talk with Mr. Batey it was decided I should go to Rangitoto and see for myself.

Since Fletcher and Cole Associate started erecting buildings on the Quarry site, levelling out and blasting at various places, it is a difficult task to locate the smaller sizes of pipe. I met one of Fletcher's foremen who thinks (but cannot be sure) that they are using approximately 200 to 300 feet of the small sizes. I was also able to locate approximately 150 feet of ¾" pipe in the Gas Engine Room, and during my walk round the Quarry I saw various pieces protruding from under the filling.

I met E. Wadsworth, late Caretaker at the Quarry, and he is unable to give me any information except that they are buried beneath the levelled scoria and rock.

Other matters which require to be noted are: the shed which houses the Air Compressor "Keighley" Gas Engine etc. and other gear has been damaged by shot firing: also where the blacksmiths' shop and concrete water collection tank stood is all removed and the rock all blasted out. At this point some more blasting will be done, which is much closer to the above mentioned shed. The roofing over the stone crushing plant, which houses the "Crossley" Gas Engine and "Cambridge" Gas Producer, seems to have been damaged as the result of stone flung by the shot firing.

I was there during a shower of rain and saw the water coming through at various places, a thing that did not occur a year ago. Fletcher's men also use this engine room as a store and workshop.

Regarding the hand cranes at the Quarry face, I understand three of them have been taken down, and from what I can see, little care seems to be taken of iron parts as to how or where they are placed. The timbers of these cranes were in poor condition.

Boat R.B. No.46 was kept at the Quarry, and was damaged as the result of shot firing. It was brought to Auckland in June and is being repaired. Fletcher & Cole Associate are accepting responsibility and have asked us to make it repayable by them.

Shot
11/33
to
20s.
repaired & sent
to
Fletcher & Cole

(P.T.O.)

The following is a list of Gear which I can see is at present used by Fletcher and Cole:-

- Approx. 2200 feet Rails, 40 lbs. per yard.
- 4 Side Tip Trucks.
- 4 Sets Wheels for Stone Trucks.
- Block and Tackle --- number of sets not known.
- Water and Air pipes, various sizes.

Wadsworth also gave me the following as having been on loan to the Public Works Dept., for Defence works at Rangitoto. He is not certain of the date when the Dept. got them:-

- 1270 feet Rails, 40 lbs. per yard.
- 7 Dozen Fish plates.
- 7 " bolts for Fish plates.
- 2 Stone carrying trucks.
- 2 Side Tip trucks.
- 1 " " truck body.
- 1 set rail crossings.

Also the following were taken by the Public Works Dept. on the 6th. July 1942, for use at Rangitoto by Mr. Reddaway:-

- 1056 feet Rail, 40 lbs. per yard.
- 1 Anvil, 2½ cwts.
- 1 Vice.

This is the first intimation I have had of the above gear being in use, and so far no charge has been made for it, and I suggest a charge be made from now on.

I am not at all satisfied with the way Fletcher and Cole seem to have taken possession and are using gear without first giving notice to the Caretaker, and I suggest that I visit the Quarry on Saturday 25th. inst., make up a complete list of all gear used by them, and also arrange for the remainder to be brought to Auckland.

O/C. Gear and Tools.

Wm J. Fair *Comd'g*

SEEN & APPROVED

Superintendent
and Engineer
Date... 24/7/42

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Auckland Harbour Board

Nº 10906

INSTRUCTIONS TO FOREMEN & INSPECTORS

ENGINEER'S OFFICE,

To Foreman of Works.....

Date 18th. September, 1941.

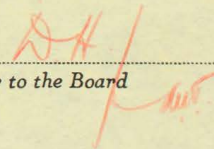
Subject GALVANISED W.I. PIPING AT RANGITOTO QUARRY.

The officer in Charge of Gear & Tools has recently checked the Inventory of the Rangitoto Quarries and draws attention to the large amount of galvanised wrought iron piping thereat.

The quantity is as follows:-

$\frac{1}{8}$ "	-	435	lin.	feet.
$\frac{3}{8}$ "	-	2,083	"	"
$1\frac{1}{4}$ "	-	84	"	"
$1\frac{1}{2}$ "	-	402	"	"
$2\frac{1}{2}$ "	-	33	"	"
3"	-	1,746	"	"

In view of the existing shortage of piping, please report as to the advisability of bringing this up for use on other work.


.....
Engineer to the Board

559
Auckland Harbour Board

Nº 11418

INSTRUCTIONS TO FOREMEN & INSPECTORS

ENGINEER'S OFFICE,

To Caretaker, Rangitoto Quarries.

Date 10th April, 19 42.

Subject GEAR EX RANGITOTO QUARRY -
REPAYABLE A/C. FLETCHER CONSTRUCTION CO.

Please allow the Fletcher Construction Co. Ltd.
to have the use of such gear at the quarries as they may require
from time to time for use on the construction of a building for
H.M. Navy.

Report periodically stating what is being used
and for how long etc.

D.H.
Engineer to the Board.

2nd April, 42.

Mr. E. Wadsworth,
Rangitoto Quarry.

Please note that I have given the Public Works Department permission to use approximately 20 of the steel bands from the old stone carrying boxes at Rangitoto Quarry.

Please report giving number, size, condition, etc. of the bands taken.

SUPERINTENDENT & ENGINEER.

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COPY

SEE ALSO SECRETARY'S FILE

25th October, 1940.

The District Engineer,
Public Works Department,
AUCKLAND, C.I.

Dear Sir,

Your letter P.W. 8/97 of 8th instant stating that the Army Department desires to utilise part of the Board's quarry floor as a site for battery personnel accommodation and certain of the facilities at the quarry has been received.

Authority for this is given on condition that any building erected for the purpose must be so placed as not to interfere with the possible working of the quarry or crusher plant should this become necessary and the Department must accept all responsibility for accident or claims due to the use of any of the Board's property.

The Board's Carretaker at the quarry and the facilities used by him must not be interfered with except as may be approved.

Yours faithfully,

BDH. IMH.

Superintendent.

- C O P Y -

AUCKLAND HARBOUR BOARD.

No.10129.

INSTRUCTIONS TO FOREMEN & INSPECTORS.

16th. October, 1940.

Mr. E. Wadsworth,
Mr. E.W. Batey,
Mr. W.J. Keir.

RANGITOTO QUARRY (USE BY ARMY DEPT.)

The Public Works Department has been given permission on behalf of the Army Department to erect camp buildings on the quarry site and to have reasonable use of the quarry facilities.

The Department will do the necessary repairs to structures, tanks, spouting etc. and will recase the deep bore.

They will accept responsibility for any of the Board's property used and will not interfere with the possible working of the quarry or with the facilities of the Caretaker.

During construction work they may have the use of the mess hut, Careful check is to be kept of any of the Board's property used.

D. Holderness

ENGINEER TO THE BOARD.

Per: A.N.T.

