

Cluny Lake

Grant of \$1000 for work

Rep 1850 p.3.

Reports completed from Estuaries

Rep 1892 p.2

Bridge replaced by earthwork

Rep 1894 p.2.

Memorandum.

From

PWD

To

128/23
2.9.23

27/2/23, 192 .

Dear Burkell, - Cluny Lake Filling -

The contractor has to fill in all the earth to be excavated from the 2 sites on the hill opposite. He has had no orders as to any fixed level.

I told him not to fill up to top level all at once until we saw how much settlement takes place.

As he gets on a little further I can go into committee with you as to the best way to grade off the ground.

Yours
Sturges

Memorandum.

From

Stamie Fisher
Singapore

To

8. 3. 1922.

Draw Park. My estimate of earth required to
fill the Cherry Lake is ^{180,000}~~72,000~~ cubic feet.
See my letter to you 1 in 1009/20. Also

See Buhl's Dr. 420, attached
note. show
put. 2.2. 11
lay out. 10/10
10.0.22

Sincerely yours

Stamie Fisher

From Whom	D. G.S.
Place	S.
Date	16-12-20

SUBJECT.

ESTABLISHED
 No. 1009/20
 Received 16-12-20
 Replies.....

*for advice of drawing the
 Plumy Lake*

Connected Papers.

MINUTES.

1. Letter to G.S. forwarded 16-12-20
2. -
3. - to Mr. Jansen 3-2-21

*D. Macdonald asked at the end of August
 1920 what had been done
 since was a reference to the 1918.*

DRAFT.

(S.)

Fair Copy signed by

3-2-37

To

~~SIR,~~

Dear Tamm

I don't understand your para 2 in your 779/20 of 2 Feb. 42. Does it mean that you are unable to report and estimate without Government sanction. If so I must address the Government - but if not, why not wait.

Yours

Amey



O.C.P.

(1,000—10/19.)

It is requested that the following number be quoted in the reply to this letter.

Public Works Department,

No. 1779/20.

Singapore, 2nd FEBRUARY, 1921.

Sir,

I have to acknowledge receipt of your letter of the 16th. December last in regard to the proposal to fill the Cluny Lake and regret until the decision of the Committee appointed to consider the future of the Economic Gardens is known, I am unable to reply to the questions raised.

2. I would however suggest that you address Government on the subject pointing out the necessity for the work and requesting that the P.W.D. may be asked for report and estimate with a view to a vote being provided for the work.

I have the honour to be,

Sir,

Your obedient Servant,

M. ...

COLONIAL ENGINEER,
Straits Settlements.

The Director of Gardens,

S I N G A P O R E.

1009/20

16th. December

1920

Sir,

The Anti-mosquito Committee has requested the Gardens' Committee to fill the Cluny Lake: and I have honour thereupon to seek your advice.

2. I have had the Cluny Lake sounded and it holds on the average 3 feet of water with banks 1- 2 feet high: to fill it allowing for sinking as the mud below the water is deep 180000 cubic feet of earth will be required.

3. In my opinion the best way of getting this earth will be to take it from the Economic Gardens at the point nearest to the Lake. I submit to you a plan of that part. There is one house in it with a too remote tennis court: and there is in your estimated budget for 1921 provision for a second equal house, the situation for which according to my proposals is as marked on the plan. These two houses should have one joint tennis court which may be conveniently as on the plan. The hill side west of the proposed court is steep as the pencil contour lines (3 feet vertical) indicate.

4. My suggestion is that the area intended for the tennis court be lowered to a little below the level of the lower house which will give about 72000 cubic feet of earth and make it about 12-14 feet lower than the proposed new house which it will not approach nearer 50 feet.

5. An additional 20000 cubic feet would

B14/7

be got from the slope north and north east of the joint tennis court, and the balance of 88000 cubic feet off the face of the hill side towards Cluny Road, where it is proposed to locate the Gardens' watchmens' quarters and the site for which would be prepared in cutting out this earth.

6. Most of the above details are known to you as a member of the Gardens' Committee, and further consideration may be most convenient perhaps on the spot. But this should be as early as possible for the three reasons (1) that the Anti-mosquito Committee is insistent (2) that the proposed house is wanted with as little delay as possible and its site must therefore be fixed on and respected and (3) that the old watchmens' lines will have to be renewed if not removed.

7. The place from which the earth is to be got having been decided, I shall be very grateful, for an estimate of cost, that I may address the Colonial Government. The distance from the Cluny road to the middle of the Cluny Lake is about 220 feet, making the average distance that the earth will have to be conveyed about 400 feet.

I have the honour to be,

Sir,

Your obedient Servant,

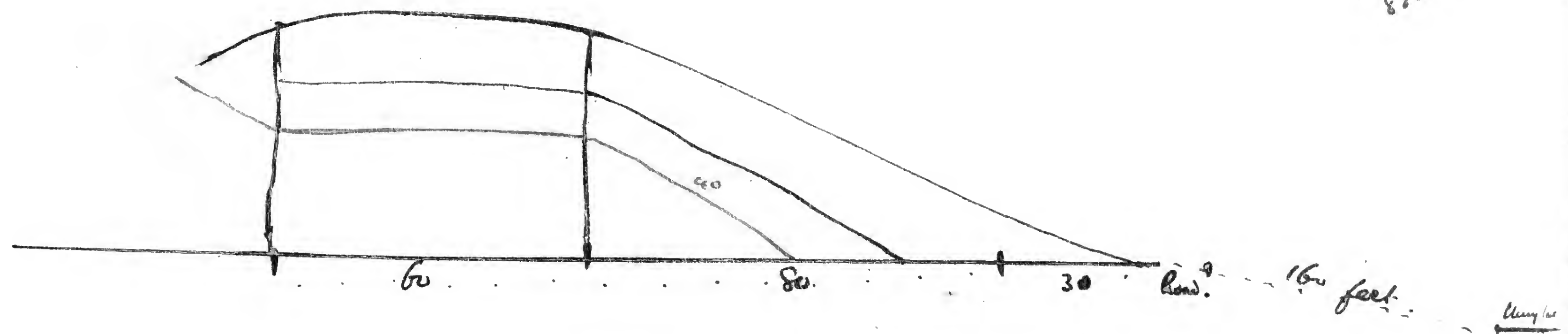
W. H. Bull

Director of Gardens

The Honourable the
Colonial Engineer
Singapore

$$10 \times 20 = 20000$$

$$\begin{array}{r} 18000 \\ 92000 \\ \hline 88000 \end{array}$$



$$\frac{40 \times 110}{2} - \frac{20 \times 40}{2} =$$

$$\frac{2200 - 400}{2} = 1800 \times 100$$

$$180000$$

$$\frac{40 \times 110}{2} - \frac{30 \times 60}{2} =$$

$$2200 - 900 = 1300 \times 100$$

$$130000$$

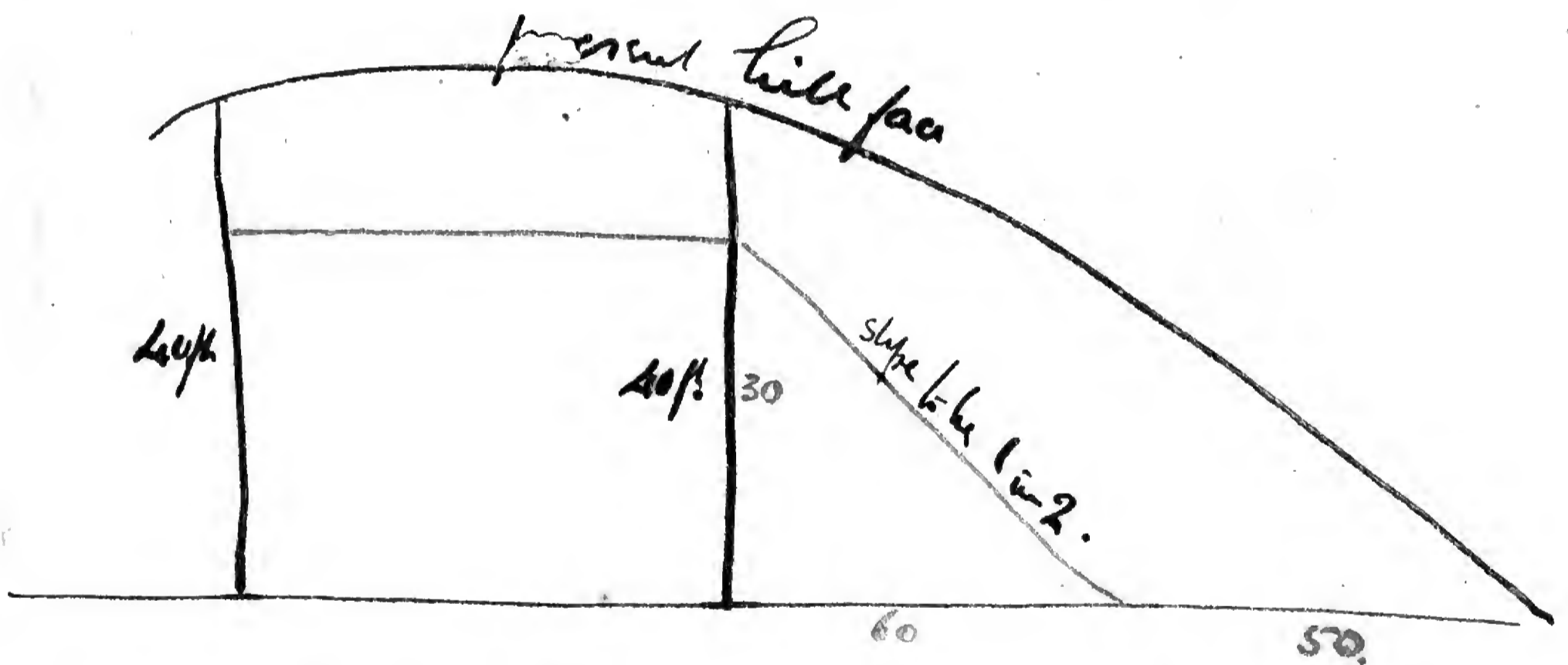
$$\frac{72000}{2}$$

Area of comb firing $60 \times 120 \times 10 = 72000$

The method of getting rid of the
 Cherry lake, 180,000 being wanted
 would be

To make the new tennis courts for
 the Assistant Quartermaster 10 feet below the
 present surface. Then getting

$120 \times 60 \times 10 = 72000$ cubic feet of earth
 and the rise of the hill over Cherry
 being then reduced by 10 feet we
 can get the remainder out of the hill
 face then



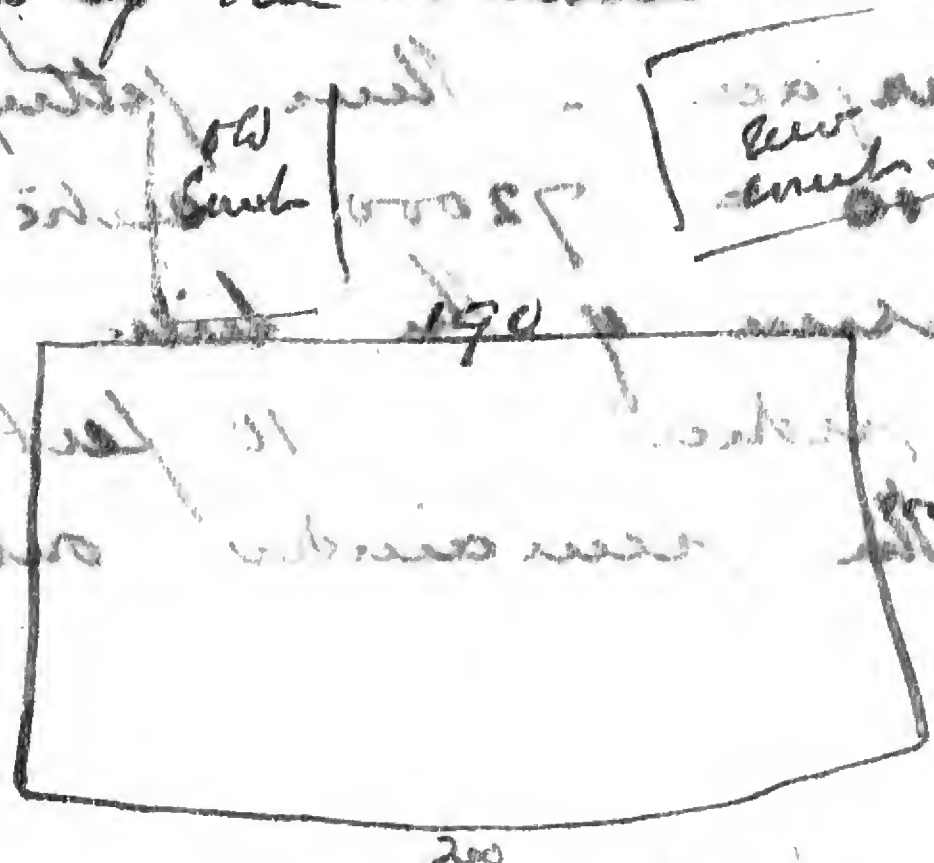
The details should be worked out of contours.

The total lead is 160-180 feet. Could
 the earth be taken down by a wire ropeway.

The quartermaster quarters will be
 placed on the level below towards
 the Army road -

Contours should be worked out.

A center cut from the Chury road near
 the Javanese bridge crosses the hill top 39
 feet above the road in a straight line
 distance of 105 feet. From this top of the
 center parallel with the center of the tunnel cut
 at the base of the hill is a straight line



The center cut from the Chury road near
 the Javanese bridge crosses the hill top 39
 feet above the road in a straight line
 distance of 105 feet. From this top of the
 center parallel with the center of the tunnel cut
 at the base of the hill is a straight line

MEMORANDUM.

From

To

Mr. Liew Hong Nam

61 King Street.

Singapore

17. Dec., 1920.

Dear Sir,

The Act prohibiting the cutting
 down of Coconuts is in force in many
 States, but not here: so that there is
 nothing to prevent you from recovering
 your trees provided you destroy the fruit
 so that Coconuts neither cannot be

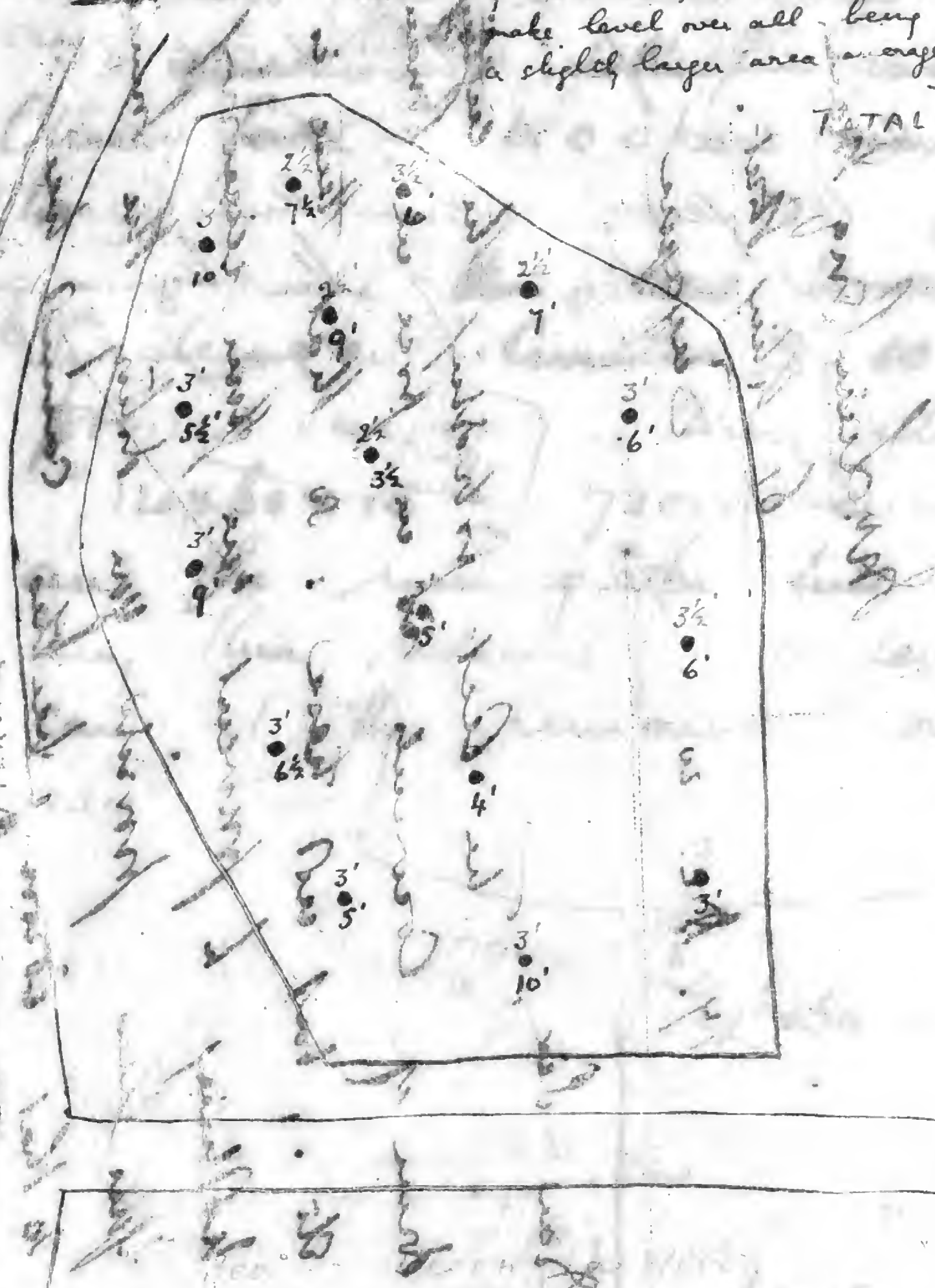
I am yours faithfully
 J. S. [Signature]

Blum Lake

Surface to top of margin - average $1\frac{1}{2}'$
make level over all - being
a slightly larger area average $4'$

TOTAL $5\frac{1}{2}'$

STIVERSAL RD.



BLACK - DEPTH OF WATER + MUD.

INTRODUCTION OF FISH INTO KANDY LAKE.

DIR INTO PAST HISTORY.

Interesting but Unsuccessful Proposals.

(From Our Kandy Correspondent.)

The question of the selection of a suitable kind of fish for the Kandy Lake is one with an interesting and almost fascinating history behind it and carries one back some thirty years — to be exact, 1887 — when Lieut.-Colonel Byrde held the office of Secretary of the Municipal Council.

During the last thirty years, the question has come up often, in various forms, before the Council for discussion, as old files would show, but although persistent efforts were made to benefit the town of Kandy by the conversion of the lake into a fishing place for anglers, which would considerably add to the amenities of the town, no suitable fish could be obtained which would thrive in the Lake. In 1907, the introduction of carp was begun, but it proved a failure. There was a great deal of correspondence on the subject with Dr. Willey, then Director of the Colombo Museum, who was commissioned by Government to make a biological and statistical inquiry into the then condition and future prospects of the inland fisheries from the standpoint of food supply. It was his opinion that the expert of the Ceylon Fishing Club should be consulted as to what fish the lake should be stocked with. However, now that there is a suggestion to introduce trout into the lake, and as it is very likely that it will materialise, it would not be out of place to record its past history. A Committee has been appointed to go into the question, and on it is Mr. H. F. Tomalin, Conservator of Forests, whose unflinching energy in this direction is well-known.

BY MR. LE MESURIER'S EFFORTS.

The idea originated with Mr. C. J. Le Mesurier, who was then Assistant Government Agent of Nuwara Eliya. In 1887, he inquired if the Kandy Municipal Council would contribute towards the cost of his experiments for introducing trout into the Island. If the experiments he proposed to make were successful, he promised to put some trout into the Kandy lake. The Council replied that in the absence of any definite information it was not prepared to entertain the question, but inquired what the experiments were likely to cost and what contribution would be expected from them towards meeting the cost. Not a bit disheartened, Mr. Le Mesurier wrote back to the Council stating that the experiments would cost approximately Rs. 1,000, of which he had already collected Rs. 900. The Council, after much deliberation, voted a sum of Rs. 100 on the 16th March, 1887, as their contribution towards the cost of the trout experiments. Some trout was obtained, and Colonel Byrde on May 12th of the same year reported that at the request of Mr. Le Mesurier he sent some coolies to Nuwara Eliya to bring down the fish imported as an experiment. Twenty small trout were sent down in a specially prepared vessel but only one of them was alive on arrival in Kandy. That one, too, died soon after, and the idea of the introduction of trout into the island, so far as the Kandy lake was concerned, was altogether abandoned. The imported trout, however, thrived well in Nuwara Eliya, and for a time the Kandy Lake was forgotten. Meantime exceedingly good sport was to be had at Nuwara Eliya, which at once came before the public for the variety of entertainments it afforded the holiday seeker. In 1901, however, the question came up again and a notice was sent round to prominent residents that it would be desirable to stock the lake with carp from Nuwara Eliya. The cost was Rs. 10 per thousand, and Mr. J. W. B. Davidson had promised to supervise the transfer of the carp to Kandy if the proposal met with generous response. Mr. Wace, then Government Agent of the Central Province, very kindly undertook to bring the matter favourably before the Municipal Council and secure their support. Among those who signed the notice and contributed towards the cost were Messrs. R. A. G. Festing, H. P. Borret, the well-known Crown lawyer, J. R. Wight of the National Bank, Dr. Craib, Dr. F. Anderson Smith, Medical Officer of Health, Messrs. J. B. Carruthers, T. C. Huxley, F. A. Radden, J. Paillic, H. A. Beachcroft, H. G. Watson, and G. C. S. Hodgson. The sympathy of the Council was also enlisted and "Prussian" carp was introduced into the lake.

DR. WILLEY.

In 1908, Dr. Willey was on the lookout for a suitable tract of virgin water where experiments in fish culture could be carried out. He was informed by Mr. A. H. Pertwee that the Kandy Lake was perfectly adapted for that purpose. He added that no fishing was carried on there as it was full of tortoises, which the natives revered. Dr. Willey then wrote to the Council requesting that in future the fishing rights in the Kandy Lake be absolutely reserved and that steps be taken immediately not to destroy but to clear the lake of the tortoises and to prevent their return by fixing wire nets in the places which would otherwise afford ingress. Dr. Willey also sent in an exhaustive report as to the chances of the experiment being successful. Lake tortoises, he said, were omnivorous, and the chief danger to be feared was that they would prey upon the spawn of the fish, and unless the fish introduced into the lake spawned, the culture could hardly be

considered an economic success and the removal of the tortoise from the lake was absolutely necessary for successfully conducting the experiment. The introduction of 500 carp was too small in proportion to the area of the Lake and Dr. Willey was of opinion that no opportunity to increase that number should be lost. He also recommended the appointment of a fisher warden for the Lake, who should be asked to keep records. In conclusion Dr. Willey expressed the hope that from thenceforth unremitting attention would be given to the Kandy Lake and that careful records be kept so that the question of its suitability for the work in hand might not remain permanently open but might be settled within five years. Although Dr. Willey was not in favour of introducing the olive carp from Nuwara Eliya, the Council agreed to vote a sum of Rs. 200 for experimental purposes including the provision of Rs. 62.50 for a wire netting barrier across the entrance to the moat to prevent the tortoise in the moat from getting back into the lake. Permission was also obtained from the Fishing Club to employ their expert, Mr. H. Scott, to inspect the lake and report on the desirability of the experiment being continued. He was of opinion that the experiment might be continued and would be worth while from a sporting, but not from a financial, point of view. Although at the time it was doubtful whether the temperature of the water in Kandy was not too warm for trout, the Fishing Club was asked for 100 rainbow trout which had been promised long before for the Kandy reservoir. It declined to supply the trout except on the condition that if the experiment was successful the Ceylon Fishing Club, which had its headquarters in Nuwara Eliya, should have control over the licenses issued for fishing in the Kandy reservoir. The Council could not accept that condition. Referring to this in the Administration Report of the Kandy Municipality for 1908, Mr. J. P. Lewis says: "So the matter rests at present, but it is hoped that later Colonel Gordon Reeves and Mr. Pertwee may be able to assist the Council with advice and practical suggestions as to the introduction of various species of fish from India. So far "experts" have been of little assistance to the Council, except to tell us what we knew already. Our hope now is in the amateurs."

MR. TOMALIN TAKES THE MATTER UP.

The scheme for the introduction of fish into the lake found an ardent supporter in Mr. H. F. Tomalin, who, early in 1916, took up the matter again and applied to the Director of Agriculture, Mr. R. N. Lyne, for gourami fish from the Gardens to stock the Kandy Lake and reservoir. Mr. Lyne wrote back stating that the Municipality could have the fish removed while he also added a note that Mr. McMillan, the Curator of the Gardens, did not, for various reasons, consider that Gourami fish would be the most suitable fish to stock the reservoir and the lake. A sum of Rs. 50 was accordingly voted by the Council for the catching and removal of the fish from Peradeniya and Mr. C. A. LaBrooy brought in a motion before the Council whether it would be desirable to have the reservoir stocked with gourami. Dr. G. P. Hay, Medical Officer of Health, was asked for his opinion, and he reported that it would be advisable that the reservoir should be stocked with gourami fish from the point of view of combating malaria as the fish would eat the eggs, larvae and pupae of mosquitoes.

AN ELEVENTH HOUR DISAPPOINTMENT.

When everything was ready, the Director of the Museum stepped in and informed the Council that owing to the small number of fish available, transportations of gourami from Peradeniya were only being made to ponds that were sufficiently small to allow frequent observations to be made on the progress of the gourami. As the Kandy reservoir was too large for such a purpose, he regretted that he could not recommend to the Director of Agriculture to supply fish from Peradeniya. This blasted all the hopes of the Council and it appeared that the scheme was for ever doomed, but Mr. Tomalin was not to be beaten. He said he would endeavour to get a consignment of labco from Madras and also recommended strongly to the Council that steps should be taken to kill the tortoises in the lake. That proposal also dropped after some time and then it was suggested to fill the lake with trout from Nuwara Eliya. Mr. Philip Fowke, Secretary of the Ceylon Fishing Club, on the 5th July last year wrote to the Chairman of the Municipal Council that he gathered from a conversation he had with Mr. Price that it was the intention of the Municipality to introduce trout into the lake. Mr. Fowke was of opinion that if the Council made an application to the Ceylon Fishing Club it would not be refused always provided that suitable precautions were taken for the protection of the fish. It was a moot point as to whether the rainbow trout, the kind the Fishing Club had, would live and thrive at the Kandy elevation. Personally he was sure that there was a good chance of their doing well in the reservoir but not in the lake with its sun exposure and consequently hotter water. The main difficulty, he added, would be in transporting the fish from Nuwara Eliya to Kandy and, if that was to be done, it should be carried out in the South-West season as the waters would be cooler and remain at a more even temperature. The experiment was worth while trying in view of the great pleasure it would afford to many. Mr. Fowke's letter was circulated among the members of the Council and Mr. Tomalin was of opinion that the experiment might be tried although he was not sure that it would be successful owing to the question of temperature. Mr. Tomalin

THE FOR PAS

Homeward Bound

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Accommodation at Hotels, Hydros, etc., Visitors and

for the general welfare of the community, or for the reform of the laws in general unconnected with Government administration in some form." Thus we find the law on such a vital question as bankruptcy allowed to remain for all these years in the archaic, inadequate and harmful state in which it is to be found at present. Company law and the laws relating to Trusts and partnerships are similarly antiquated and lax. It is high time that Government asked the Attorney-General's Department to undertake the task of revising and bringing up to date all laws affecting the welfare of the general community as distinct from those connected with administrative work. At any rate no time should be lost in tackling laws which are as notoriously out of date as those we have mentioned.

SUDDEN DEATH OF MR. J. FIELDING LISTER.

FROM CEREBRAL HAEMORRHAGE.

The news which circulated this morning in Nuwara-Eliya that Mr. J. Fielding Lister had suddenly died created a profound impression at the Sanitarium and was later received with equal consternation in Colombo. Mr. Lister who was not known to be ill, though a few who saw him on Saturday thought he was not looking as well as usual, was taken ill in his bath at 9 o'clock on Sunday morning and was just able to reach his bedroom. Dr. Ireland was called in and found Mr. Lister in an unconscious state, having burst a blood vessel in the brain. He regained consciousness in the evening, but his case was pronounced hopeless and it was doubtful whether he would pass the night. Death took place this morning.

HIS CAREER.

Mr Lister came out to Ceylon from Lancashire in the late nineties, and learnt planting under Mr. E. E. Nicol on Ragalla estate, Ragala, remaining on that estate till 1901, when he went Home. In 1902 he was on Cottaganga, Rangalla, and in 1903 and 1904 on Mousakellie, Deltota. He retired from planting shortly after, taking up residence in Nuwara Eliya. At the Sanitarium he played a large part in social life and the sphere of sport. He was a member of the Committee of the Kennel Club, and his name will be long associated with the activities of that body. He acted as secretary of the Hill Club occasionally and was a member of all social and sporting clubs and Masonic Lodges, where his genial presence will be very much missed. He counted a host of friends, and it can well be said that there is hardly a European in Ceylon that was not personally known to him and there are many who will cherish the pleasantest of memories of the hospitality of "Duff House."

THE COPRA MARKET.

Eight parcels of copra were brought into the market this morning, and the highest price fetched was Rs. 37.25 per candy. There is a very large quantity of copra in Colombo stores which cannot be shipped owing to want of tonnage. Estate owners are also holding large stocks which they will have to dispose of shortly as the big mid-year crops will be coming in early next month.

BETROTHAL.

VanRooyen—Glassborow.

A marriage has been arranged between Lieutenant Reginald Glassborow, 1st Seaforth Highlanders, son of Mr. Walter C. Glassborow, of Eltham, Kent, and Mrs. Glassborow, with Miss Thelma VanRooyen, daughter of Mr. T. C. VanRooyen, of Hatton, and Mrs. VanRooyen.

SUSPECTED CHOLERA IN BADULLA.

A Badulla cooly died suddenly on Thursday night and sonic anxiety was felt as his case was suspected to be cholera. Another case in similar circumstances is reported from the third mile on the road to Passara. Some sudden deaths are also said to have occurred on Hingurugamuwa estate. In some instances bodies have been exhumed and post mortem examinations held.—Badulla Cor., May 27th.

LONDON COMPANY RESULTS.

[COPYRIGHT—BY SUBMARINE TELEGRAPH.]

"TIMES OF CEYLON" 27, Mincing Lane, LONDON, May 26th, 12.35 a.m.

The following final dividends have been declared:—

The Nagolle (Ceylon) Rubber and Tea Plantations, Ltd., 9 per cent., making 14 per cent. for the year.

The Rubber Estates of Ceylon, Ltd., 5 per cent., making 10 per cent. for the year.

The Colombo Electric Tramway and Lighting Co., Ltd., has declared a dividend of 10 per cent.

PASSENGERS.

The following passengers have left for the Mid and Far East:—Mr. W. A. Hirst, Mr. and Mrs. E. Dumoulin, Mr. and Mrs. E. E. White, Mr. and Mrs. T. K. Bennett, Miss B. A. Kurtz, Mr. and Mrs. O. H. Lee and two children, Mr. A. E. Brann, Mr. E. Rommer, Mr. and Mrs. H. J. Pushman, Mrs. James, Miss S. Alschuller, Mr. and Mrs. O. S. Peterson, and Mr. and Mrs. B. P. Kadoutzoff.

The following passengers have arrived from Marseilles:—Lient. Lanvoison, Mrs. Panmetrat and two children, Mr. and Mrs. Morin, Mr. and Mrs. Le Portois, Mr. and Mrs. Playoust, Mr. and Mrs. Robert, Mr. and Mrs. Reboul, and Mr. and Mrs. Cousen.

Letters to the Editor.

A Non-Shirker's Dilemma.

SIR,—While heartily in agreement with your contributors, Mr. H. O. Combe and "Indignant Woman" in that any excuse seems to serve as a reason for some men now out here not making an attempt to get to the front, I should like to quote a specific case in which a man believing himself fit does not know what to do. This man through a sudden curtailment of his income was left in debt and is now endeavouring to square off some out of his none too munificent salary. What should he do? Try to get to the front now (provided his creditors will let him) and let his creditors run the risk of his being killed and losing their money, or wait until he can pay them up in full and then go? I enclose my card and sign myself as

"PROBLEM."

K. V., May 27th.

Defective Sight and War Service.

SIR,—I am a young unmarried man and am still at large in Ceylon.

My reason for being so is that I wear glasses, or rather that extreme shortsight renders it necessary for me to wear glasses.

For this reason I was rejected by Major Nicoll, R.A.M.C., for the Ceylon Contingent and have subsequently been given a certificate by Capt. Mathew, R.A.M.C. "Unfit for Active Service," on applying for a medical certificate to enable me to go Home.

I read Mr. H. Orloff Combe's letter in your issue of 25th instant and sympathise with the indignation expressed in the following paragraph of his letter, viz:—

"But I wear glasses. Well, what if he does? Plenty of men joined up in the first week of the war at Home and were accepted wearing glasses. And what of the thousands out there still wearing glasses."

Why shouldn't I be at the front? Can you or any of your readers kindly inform me

(1) How to get there?

(2) If I can't get there, why should I be classed (as I undoubtedly shall be and probably am) with the "skunks" and "excuse-mongers" so deservedly held in contempt by Mr. Combe and every right-minded Briton in Ceylon?

It is up to someone to organise a "Sightless Brigade" which, on getting to the front, would prove themselves useful in some capacity or other.

I honestly believe, if someone were sporting enough to do this, there would be a sufficiently large response to justify his efforts. I am not so hopeless, but with glasses am a 2nd class shot, latest O. P. R. C. Musketry Course.—Yours, &c.

WILLING.

May 26th.

[NOTE BY ED.—Mr. Combe ought to have known that the degree of defectiveness among those who wear glasses ranges from nearly blind to very slight irregularity.]

No Minutes should be written on this page. A separate half-sheet to
be used if required.

From Whom *Director of Gardens*
 Place *S.O.*
 Date *15/4/1920*

SUBJECT.

Clay Lake in Botanic Gardens
Filling up

C.E. 1779
1920

Connected Papers.

MINUTES.

E.E.

Please ^{report} ~~report~~: I don't know why the ^{D of G.} does not make this a P.W.D. matter for *Macintosh* & carrying out.

Sd _____ 17/12/20

A.C.

I want to inspect this with you as soon as the financial work is finished for 1920.

Sd _____ 21/12

E.E.

noted

Sd _____ 21/12

This is a continuation of *D of G's* proposal to concentrate his labour staff in *Clay Rd* opposite the new European Bungalow. *Clay* should not be cut

Minute paper No.

C.E. 1779/20

Sheet No. 2

G.E.

Taken from Engineer's survey table 23/4

I inspected the sites from which it is desired to take earth for filling the pond & think the best place to take the earth will be from the side of the hill on the west side of the present tennis court as shown on section enclosed. Please have estimate prepared accordingly

Towner 4/5

S.K.S.

Please give me a small tracing showing position of the Chung Lake and also the Asst. Curators quarters & Tennis Court.

Kendall 15/5

D.C.E.

herewith I have no details of the tennis court.

Sol. J.G. 14/5/21

Eng Surveyor,

Speak early re. a survey for estimating cost of this filling.

It is wanted at once as it is suggested to construct quarters on the site of the excavation after same has been removed

Kendall 12/6

No Minutes should be written on this page. A separate half-sheet to be used if required.

from site of suggested watchmen's quarters pending decision of special committee appointed to settle policy etc of the Economic Garden site! Also proposed to take earth from site of old tennis court belonging to the curators is difficult owing to difference of levels making direct truck work almost impossible. An alternate site for the earth burrow pit is in the patch of jungle in Botanic Gardens proper just above the Dalry Road entrance & by levelling this site it could be made available for the quarters E.C.O. for support of parks.

So far, then the earth work for filling up the Cleary Road could come from the Coaly Lane site. If otherwise then the site suggested for the burrow pit in my minute of 22/12 might be adopted.

Sol Kind 30/12

C.C. B.V. When the Committee has sent in the report.

Sol — 6/1/21

Hon C.E.

Submitted

Sol V.A 16/1/21

(2) Letter of 2-22-21 sent to ... To note

Sol Kind 22/12

E.C. noted

Sol — 22/12

(3) Reply from the Director of Botanic Gardens dated 22/12

Hon C.E.

Please see my minute of 22/12 upon this subject.

C.C. has the Committee reported as to the future of the Economic Garden.

The whole method for filling in of the swamp depend upon the decision of the Committee for the disposal of the Economic Garden.

Please see report enclosed

If they are in favour of a continuance of same upon the line as proposed by

C.E. 15/4/20

Sol 15/3/21

From Whom

Place
P

Date
.

SUBJECT.

Deepening of the Cherry Lake

Connected Papers.

MINUTES.

Botanic gardens,

Singapore.

28th. March, 1914.

Dear Holden,

With reference to the vote of \$2300 (no. 12 on p. 97 of the Colonial Estimates) for the improvements to the Cluny Lake, I think that it will be convenient to seek a contract at once.

In preparation I have had the depth of the lake taken from the present water level, which is marked on the brick wall at the outlet, and find that the average of eighty measurements is eight and one quarter ($8\frac{1}{4}$) inches. I want the depth to be at least three feet.

Part of this three feet can be obtained by preventing the escape of the water under the brick wall mentioned, say one foot. There will remain fifteen and three quarters inches of mud with tree trunks in it to be removed (on the average) over the area of the bed of the lake, and to be spread over the adjoining low land, if we are to obtain the depth of three feet. The area of the lake is estimated at

Out of the same sum of \$2300 the swamp adjoining the lake has to be filled from the hill side above it, - not from the lake whose good earth is needed to raise the nursery land. During the work the springs which are two on at the head of the swamp and the other at the head of the nursery can be drained round the edge of the lake together. The filling up of the swamp may therefore be carried on without interfering with the deepening of the lake.

As I want to get the greatest amount of good out

of the opportunity, i.e. to use up the money entirely, for the deeper the lake the greater an I benefited.

I have therefore to suggest that in seeking a contract we might ~~ask~~ ask for them to various depths for the lake, $2\frac{1}{2}$ feet, 3 feet, or three and a half feet and take what is advantageous having first of all set aside funds enough for the filling of the swamp and the making watertight of the brick wall at the outlet.

I think that I can put on a motor pump to pump out the water: but if excavation were commenced in the dry weather much of this would be saved. That is why I want to get onto the work at once.

Sincerely yours,

P.S. The estimate of 36000 square feet is only approximate.

Botanic Gardens,

Singapore,

29th. September, 1914

Dear Holden,

The contractors are finishing their work on the Cluny Lake today. The depth is as agreed and the length of wall as agreed: further the last of the old trunks are being removed now. The earth from the Lake bed has been left as a wish. I intend to leave it now to dry and drain before bringing it into cultivation.

The contractors have their huts in the Garden still. I await your decision regarding the filling in of the swamp; and the townsmen may leave the huts standing on that account. I should be very glad whether these men are to have the conduct of the further work or not, that it should be done as soon as possible, for with roads under repair and the work at the Cluny Lake we have been put off for already longer than I like.

Sincerely yours,



G. Holden Esq.

Executive Engineer,

Singapore.

Item 12 Page 97. Botanical gardens, Improvement to Cluny Lake.

1. This specification is for the proper and satisfactory completion of the whole of the work connected with the improvement of the Cluny Lake, and path includes all and every other service necessary for the proper completion of the work as is more fully set forth in this specification bill of quantities and drawing hereunto annexed and forwarding part of this contract.

2. All necessary materials, labour plant etc for the due and proper execution in all trades of the work are to be provided by the contractor. Should any accident occur through the neglect of the contractor or his workmen the contractor is to be held wholly and solely responsible, and is to make good the same at his own cost, and is to be wholly and solely responsible for any action at law, that may arise from such accident.

3. The trunks of the trees lying in the lake are to be removed and carted away by the contractor and no trunks are to be left in the vicinity of the Gardens near the lake.

4. The lake is to be deepened to an average depth of ^{2'} 1" giving a depth of 3'6" from the bed of the lake to the outlet. The water extracted is to be carried and spread over the adjoining low land as directed, levelled and rammed where necessary.

5. The contractor is to excavate drains to carry the water from the spring, at the head of the swamps and the nursery, so that the filling of the swamp may be done without interfering with the deepening of the lake.

6. The lake is to be kept dry during the progress of the work by pumping out the water by hand pump or other approved appliance.

7. The brickwork at the outlet of lake is to be taken up and the foundation carried down to 1'6" below the bed of the lake and rebuilt in brickwork in Portland cement work to the dimensions as directed.

8. The work is to be carried out under the supervision of the Director of Gardens and to his satisfaction.

9. This is the specification referred to.

No Minutes should be written on this page. A separate half-sheet to
be used if required.

No. *89* of 1914.

(P.W.D.—7503/09—1,000—3/14.)

(Works 7)

A Contract made this *15th* day of *August*

One thousand nine hundred and Fourteen (1914)

BETWEEN POH SOON KIAM and POH KIM HIN *of No. 48, Mohamed Sultan Road, Singapore, Contractor*

(hereinafter called "the Contractor s") of the one part, and THE EXECUTIVE ENGINEER, Public Works Department, Singapore,

and his Successors in Office for and on behalf of His Majesty the KING, His Heirs and Successors of the other part.

1. The said Contractor s for themselves, their _____ executors, administrators and assigns do hereby contract and agree with the said Executive Engineer _____ free of all charges to His Majesty the KING beyond the payments hereinafter-mentioned to execute and complete the several works required in connection with the improvements to Cluny Lake at the Botanical Gardens, Singapore, as mentioned and described in the Special Specification, Drawing, Bill of Quantities, General Regulations and Specification and Schedule of Conditions of Contract hereunto annexed and signed by both the aforesaid parties.

2. The said works shall be executed in accordance with the directions, and to the satisfaction of the Superintending Officer in accordance with the instructions, drawings,

Refer to item 12 on page 97 of the Colonial Estimates 1914

specifications, and quantities by the said Superintending Officer, given either at the commencement of the said works, or from time to time during the progress of the said works.

3. The Contractors shall begin the said works within ten days from the date of this Contract and shall actively prosecute the same and the said works shall in all respects be completed so that

may be ready for _____
by the Sixteenth day of November, One thousand nine hundred and Fourteen subject only to the provisions for extension of time hereinafter contained.

4. The said Contractors do hereby assent to and agree to be bound by the General Regulations and Specification, Special Specification and Schedule of Conditions of Contract annexed hereto as if the same were embodied in and formed part of this Contract.

5. In consideration whereof the said **Executive Engineer** _____ doth for and on behalf of His Majesty covenant and agree that the said Contractors, their heirs, _____ executors administrators and (if assigns shall be permitted) the said _____ assigns shall be paid the sum of Dollars **One Thousand Eight Hundred (\$1,800/-) only** _____ in payment as stated in the said Schedule of Conditions of Contract the last payment to be made when **the whole of the said works** shall be accepted by the said **Executive Engineer** _____ as completely finished.

6. The Superintending Officer may at any time during the progress of the said works make or cause to be made any alterations in the said Special Specification or plans by way of addition or omission or otherwise deviating therefrom and the said works shall be executed according to the said alterations or deviations under the direction and to the satisfaction of the said Superintending Officer in the same manner as if the same had been

included in the said Special Specification and no such alteration or deviation shall in anywise alter the total contract price to be paid to the Contractors except in such manner as is provided for in the said General Regulations and Specification and Schedule of Conditions of Contract.

7. The Contractors shall not by reason of such alteration in, or deviation from the said Special Specification as aforesaid be allowed any further time for completing the said works except such further time (if any) as the Superintending Officer shall in writing certify to be reasonable.

8. The certificate or decision in writing of the Superintending Officer upon any matter as to which he is hereby required or authorized to certify or decide shall be final and binding upon both the parties hereto except that the Superintending Officer may by any certificate make any correction or modification in any previous certificate which may have been made by himself or any predecessor in his office.

9. In this Contract and in the General Regulations and Specification and Schedule of Conditions of Contract the Superintending Officer is **the said Executive Engineer or his Successor or Successors in Office.**

10. For the due and faithful performance of all and singular the provisions of this Contract which on the part of the said Contractors are or ought to be observed performed fulfilled or kept the said Contractors do hereby bind themselves severally as well as jointly their heirs executors administrators and assigns unto the said **Executive Engineer** and his successor or successors in the said office at **Singapore** in the sum of Dollars **Two (\$2/-) per day for every day occupied beyond the specified time** to be paid to the said **Executive Engineer** or his successor or successors in office for the use of His Majesty, His Heirs and Successors by way of stipulated or ascertained damages

agreed upon between the said Executive Engineer
and the said Contractor^s (over and above such sum or sums of money which may be paid or
incurred in completion of the said works as aforesaid) in case of the failure of the said
Contractor^s in the due performance of this Contract or any part thereof.

IN WITNESS whereof the said parties to these presents have hereunto set their hands
and seals the day and year first above-written.

Signed, sealed and delivered by
the said Poh Soon Kiam and
Poh Kim Hin

in the presence of

sd. R. Subrahmanyan
Govt. Clerk, P. W. D., S.

sd. Poh Soon Kiam *sd.*

sd. Poh Kim Hin *sd.*

CONTRACTORS.

Signed, sealed and delivered by
the said Executive Engineer

in the presence of

sd. A. E. Goelke
Govt. Clerk, P. W. D., S.

sd. H. Holden *sd.*

EXECUTIVE ENGINEER.

LAKE II

PLANT HOUSE

etc.

Buildings New Lake

Herbarium

Service of

K. Nadasan