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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue . DEPARTMENT

G.O. No.	1664.	Press
B.P. No.		Mis.
Dated	7. 5. 1872	197

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

7th May 1877, No. 1,664.

Famine Relief.

Read the following paper:—

No. 145. Proceedings of the Board of Revenue, dated 25th April 1877, No. 1,919.

Read the following letter from C. W. W. MARTIN, Esq., Acting Sub-Collector, to W. McQUHAE, Esq., Collector of Madura, dated Dindigul, 17th April 1877, No. 447.

I have the honor to submit the famine progress report for the month of March.

2. The middle of March was the period at which I have always expected the greatest pressure on the people to begin, and I consequently spent the greater part of the month in the Pulni Taluk and reported the result of my tour on the 29th March by my letter No. 390.

3. The system of village relief, which was commenced during the month, has resulted in the permanent establishment of 498 paupers in the relief-camp at Pulni and 136 non-resident paupers, and in the collection at the three outlying relief-camps at Theppamputty, Kallimandayam, and Rathamputty of 219, 160, and 120 paupers, respectively. There are also 490 persons fed by the Munsifs in their villages. In Dindigul Taluk there are 126 paupers in the relief-camp, 370 fed in the relief-sheds at Vedasurthoor and Gujilamparai, and 61 fed by the Munsifs in their villages. Every here and there in the villages obstinate persons are found who refuse to go to relief-camps and profess their preference of starvation. Many of these, no doubt, think that by holding out they will succeed in getting food given to them at their doors, but there are some who are utterly incorrigible, and the question which I beg for an answer is how should these persons be dealt with? They set a bad example by dictating the terms on which they will accept relief from Government, and if they are allowed to succeed they may inoculate many others. Pending instructions I have ordered that they shall be watched by the Munsifs, so that there shall be no risk of their starving.

4. The standard scale of diet in relief-camps recommended by Dr. Cornish had not reached me in March, and I directed the adoption of a scale almost identical with that to be found in the description of the Madras Relief-camps by Colonel Dwyer; also for the relief-sheds, where the paupers get but one meal a day. I had directed, pending the issue of more definite instructions, that each adult should be allowed for at the rate of 1 Anna worth of grain, each child between twelve and fifteen years 9 Pies, each child between six and twelve 6 Pies, and children below six 4 Pies, superintendents being directed to see that somewhat fuller meals were given to the older children in each class than to the younger ones. These scales of diet have now been superseded by the standard scale laid down by Dr. Cornish.

5. The physical condition of the people in the relief-camps is, as a rule, very miserable. Every now and then persons are admitted who ought to work, and for a short time they get food improperly, but these cases are a small minority, and there is sometimes danger of the superintendents going to the opposite extreme and wishing to reject persons who are fitting objects of relief. We had a notable instance of this on the morning of Sir R. Temple's visit to the Dindigul Camp, where two very wretched persons who had been rejected presented themselves to us at the gate. The superintendent had exceeded his authority in rejecting these persons, and in the case of an outlying camp not subject to the frequent visits from superior officers as a gushah camp is, serious consequences might result from the stupidity of superintendents. I think it, therefore, necessary to direct that the names and residences of all persons seeking admission to a relief-camp shall be recorded by the superintendent and forwarded to the Tahsildar, whose duty it will be to see that one of the special Revenue Inspectors make immediate inquiry into each case, and should his report indicate any doubt in the case the Tahsildar must there himself decide. In the relief-camps where medical aid is available the principal medical officer must person to decide these points.

6. The relief-works newly started in the month were—

- (a.) Pudukolam tank and channel of Kalyambathur.
- (b.) Road from Theppamputty to Kallimandayam.
- (c.) Mandakolam tank of Arappamputty.

These were opened to provide labor for the persons likely to be thrown out of employ by the approaching completion of the Komaralingam road, and the necessity of easing the Oppiliaputti to Dharapuram road of a number of its laborers, and to test the necessity of relief in the northern part of Dindigul Taluk.

7. The statement given in the appendix in the form prescribed shows the results obtained on the several works.

8. With regard to the physical condition of the people on the works, which I was only able to notice very slightly in my letter of the 29th March, I have found that the persons who have lately come on the works show much more signs of debility than those who came at the opening of the works. The latter were only beginning to suffer, and at light tasks have kept in very good health as a rule. The poorer condition of the later applicants I attribute to their dislike to work until they were driven to it by the extreme pressure of want, yet I cannot say that there are a large number in a weakly condition; in fact the worst specimens wish to work the higher task sooner than be reduced to the lower wages. There can be little doubt that the advantages which the district possesses (arising partly from the hill ranges) in enabling people to get labor elsewhere has something to do with the small numbers on relief-works and the absence of many able-bodied laborers reduced to extreme destitution. The greatest sufferers brought to light by the village inspection are the delicate women whose husbands have died or deserted them, the young children of the same women, and orphans. There must have been a large mortality among these women and children had not this system been largely put in hand.

9. I have selected the Adianuth tank, 1½ miles from Dindigul, and the Sakara gowdan tank, 2½ miles from Palni, as works to which persons may be drafted from the relief-camps when strong enough to work.

10. The system of task-work on the principles proposed by the Board of Revenue and sanctioned by Government was introduced on all the works in March, and is according to the following table, by which the gangs differ in size according to the class of soil and the length of lead. The men are always the same number (twenty), but the number of women varies. Where there are large proportions of women, as is the rule in this district (the men having emigrated), the women have to be converted into diggers at the rate of three women to two men. I have only had one complaint that the task fixed appeared to be too hard. This was found to be the case, and the task modified by classing the soil in the next lower grade of the nine classes of soil:—

		Task to be Per- formed by each Digger.	Distances to be carried.						Remarks.
			25 yards or less.		27½ yards or less.		50 yards or less.		
			Men.	Women.	Men.	Women.	Men.	Women.	
		C. yards.	Gang.		Gang.		Gang.		
Alluvial soil, soft	...	6	20	40	20	60	20	80	Above two yards
Do. hard	...	5	20	33	20	50	20	67	high, allow five
Soft earth	...	4	20	27	20	40	20	55	cubits extra lead
Hard earth or	...	3½	20	23	20	35	20	47	for each yard
Gravel	...	3	20	23	20	35	20	47	in height.
Very hard earth or	hard	3	20	20	20	30	20	40	in depth do.
gravel	...	2	20	13	20	20	20	27	allow ten yards
Soft kunkur	...	2	20	10	20	15	20	30	lead for each
Hard do.	...	1½	20	10	20	10	20	20	yard in depth.
Rock	...	1	20	7	20	10	20	10	

11. I have omitted to mention that Dr. Chester has kindly undertaken the medical charge of the Dindigul Relief camp, and has arranged that it shall be visited twice a day either by himself or his Hospital Assistant. He has also directed that the students of his medical class, twelve in number, shall assist in giving medical aid when it may be required.

12. The Palni Local Fund Hospital Apprentice Govind Singh, who is a man of considerable intelligence, is in medical charge at Palni, and I wish to be informed to what extra salary he is entitled for the very large increase of work thrown on him. The numbers at this present moment have risen from 40 in the end of March to nearly 700 at the present date. This is a heavy charge even for an officer who has nothing else to do. I think that an additional medical sub-charge should be required, and also that the Hospital Apprentice should have a liberal allowance for his trouble.

ENCLOSURE No. 1.

List of Sanctioned Works.

	Amount of Estimate
<i>Communications.</i>	
1. Road from Palni to Komaralingam, 8 miles	11,000
2. Do. Oppiliaputti to Dharapuram, 18 miles	21,950
3. Do. do. to Vadasundoor	15,000

Irrigation.

4. Repairing Karunkolam tank of Authur in Dindigul Taluk	635
5. Thamarakolam of Kottur of Thadiondu in do.	635
6. Manur tank and channel in Palni Taluk	1,350
7. Keeranoor tank in do.	680
8. Korikadavoo tank and channel in do.	1,150
9. Thamarakolam tank and channel in do.	5,430
10. Repairing channel of Parithiyur in do.	1,214
11. Do. Kamasasundram tank of Iyempally in do.	290
12. Do. Poedukolam channel of Kaliemputtoor	820
13. Do. Padukolam tank bund of do.	620
14. Do. Athirakolam tank bund of do.	830
15. Do. Odikolam tank bund of do.	1,340
16. Do. Sakarsikolam tank bund of do.	1,130
17. Mandikolam tank in Pilashu in Dindigul Taluk	820
18. Oppakolam tank of Pilashu in do.	460
19. Mandakolam of Tennalaguda in do.	610
20. Do. of Arampampetty in do.	400
21. Do. in Chittur in do.	500
22. Vallakondasamudram of Nallamankottah in do.	1,710
23. Peryasamudram tank of Kalatur in do.	1,600
24. Thattankolam tank and its sluice in Palni Taluk	520
25. Supplying channel of Pappankolam tank and strengthening its culingulak	750
26. Periakolam of Adianuth in Dindigul Taluk	394
27. Do. of Mulhady in do.	600
28. Lenkolam Tank of Kilarbattur in Palni Taluk	994
29. Odakolam tank of do.	630
30. Pappankolam of do.	380
31. Kalikannikampetty tank	295
32. Pattenkolam of Kottamangudi	775
33. Karoombaputti tank of do. in do.	86

Minor Village Roads.

34. Repairing village road from Palyoth to Keeranoor, 8 miles	2,250
4 furlongs and 120 yards, in Palni Taluk	
35. Repairing road from Keeranoor to Thoppampetty, 2 miles	450
1 furlong 63 yards, in Palni Taluk	
36. Repairing road from Palni to Balasamudram, 2 miles 6 furlongs, in Palni Taluk	620
37. Repairing road from Thamarakolam to second furlong of the first mile on the Komaralingam road in do.	340
38. Repairing road from Thoppampetty to Kallimannur, 10 miles 6 furlongs 201 yards	195
39. Repairing the old road from Palni to Dharapuram, as far as Narikalaputti via Manur, 5 miles 100 yards	1,250

(Signed) C. W. W. MARTIN,
Acting Sub-Collector.

Submitted to the Board of Revenue. Orders are requested on the question what is to be done with people who appear to be starving but will not go to relief-camps. If they are to be admitted to village relief there is an end of the camp system, and I have no belief in people actually starving through obstinacy. It is the interest of many to increase relief in villages. Irrigation works are not numerous in Palni, and they are in the wrong places, but I think expenditure on them may be increased. Arrangements have been made to transfer labor to tanks which will last a month.

Disputed,
18th April 1877.

(Signed) W. McQUHAR,
Collector.

Submitted for the information of Government.

2. The Government's Orders contemplate relief being given under supervision in villages. Persons who refuse to go to camps should be watched, and if there seems to be danger should be admitted to village relief.

3. The progress and cost of works seems satisfactory. The tasks are by no means light.

(True Copies and Extract.)

(Signed) H. E. STOKES,
Secretary.

No. 147.

ORDER THEREON, 7th May 1877, No. 1,664.

Miscellaneous.

RECORDED. The Palni Local Fund Hospital Apprentice appears deserving of some extra allowances in consideration of his having charge of the Palni Relief-camp, and the Government will be prepared to consider any recommendation made by the Collector on his behalf.

(True Extract.)

(Signed) J. H. GARSTIN,
Additional Secretary to Government.

To the Board of Revenue.
" the Financial Department.
" the Accountant-General.

Revenue Department

Chief of the Bureau of Customs

San Francisco, Cal.

Dec. 25, 1894

Read the following

and the following

No. 447

Serial 204

From

C. W. Martin Esquire

Chief of the Bureau of Customs

San Francisco

to the Bureau of Customs

San Francisco

Sir,

I have the honor to submit
the preliminary report for
the month of March.

2. The middle of March was
the period at which I have

always exposed the greater
pressure on the people to
begin and I consequently
spent the greater part of
the month in the Sahi
Taluk and reported the
result of my tour on the
29th March in my letter
No. 390.

3. The system of village relief
which was commenced during
the month has resulted in
the permanent establishment
of 498 paupers in the relief
camp at Sahi and 136

6/3
non-resident paupers and in
the collection at the three
outlying relief camps at
Thoppampatty, Kallimankulam
and Kathampundi of 259, 100
and 120 paupers respectively.
There are also 496 persons fed in
the Munnick in their villages. In
Sindur Taluk, there are 136
paupers in the relief camp
370 fed in the relief sheds at
Kedasandur and Kupiliampatti
and 61 fed by the Munnick
in their villages. Everywhere
and there in the villages
obstinate persons are found

who refuse to go to relief
camps and brook their
preference of starvation.
Many of these no doubt think
that by holding out they
will succeed in getting
food given to them at their
door, but there are some
who are thoroughly in earnest
and the question to which
they put an answer is
how should these persons
be dealt with? They set
a bad example by dictating
the terms on which they
will



7/16/04
will accept relief from Govern-
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Pending instructions I have
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4. The Standard Scale of
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8/16/34
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Every now and then persons are
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instance of this on the
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persons who had been re-
jected presented themselves
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Superintendent had ex-
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rejecting these persons and

9/1/89
in the case of an outlying
Camp not subject to the
frequent visits from Superior
officers as a Coochibet Camp is,
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that the names and residences
of all persons refused admis-
sion to a relief Camp shall be
recorded by the Superintendent
and forwarded to the
Tahsildar whose duty it will
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Special Revenue Inspectors
make immediate inquiry

What is the
order in
this case
to be
made

into each case and should
his report indicate any
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- (a) Pudukolelu tank and
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- (c) Mandacolum tank of
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10/1/64
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7. The Statement given in the
appendix in the form pre-
scribed shows the results
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in my letter of the 29th March,
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1/10/84
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Adiannu tank 14 miles from
Dindigul and the Pachara
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10. The system of task work on
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table by which the groups differ
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When there are large prepond-
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rule in this district (the men
having emigrated) the women

have the connected with
 diggers at the rate of 3 men
 to two men. I have only had
 one complaint that the
 task fixed, appeared to be
 too hard. This has found the
 the case and the task modified
 by classing the soil in the
 next lower grade of the nine
 classes of soil.

	Back of the line formed by each digger Cable yard.	Distance the Carries						Remarks
		25 yds or less		25 yds or less		50 yds or less		
		man	woman	man	woman	man	woman	
Stagnant Soil, Soft	6	20	20	20	20	20	20	
do hard	5	20	23	20	21	20	21	
Soft earth	4	20	27	20	20	20	23	
Hard earth, or	3 1/2	20	23	20	25	20	27	
Gravel	3 1/2	20	23	20	25	20	27	
Very hard earth or hard gravel	3	20	20	20	30	20	20	
Soft Muck	2	20	13	20	20	20	27	
Hard do	1 1/2	20	10	20	15	20	20	
Rock	1	20	7	20	10	20	13	

above 2 yds to high a line of yards
extra lead for each yard in
height.
1. Depth the allow 14 yards
lead for each yard in depth



10/1/1894

I have omitted to mention that
 Dr. Hunter has kindly undertaken the
 medical charge of the Pandipul
 relief camp and has arranged
 that it shall be visited twice a
 day either by himself or his
 Hospital Assistant. He has
 also directed that the students
 of his medical class twelve
 in number shall assist in
 giving medical aid when it
 may be required.

12. The Palui Local Fund Hospital
 at Poonitche Govind Singh who
 is a man of considerable
 intelligence is in medical
 charge at Palui and I
 wish to be informed to what

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of work thrown on him -
The numbers at this present
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498 in the end of March
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I think that an additional
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allowance for his trouble.

sl.

14/1884
Sub Collectors Office } Have read
Dindigul } of C. H. H. Martin
14 April 1884 } Asst. Collectr

(True Copy)

Submitted to the Board of Revenue
Orders are requested on the
question what is to be done with
the people who appear to be
starving but will not go to
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Delays and they are in the
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penditure on them may be
increased. Arrangements have
been made to transfer 1000
blank which will last
about a month.

Madura Collectors
Office, Circuit
Cutchery, Camp
Mudigal
18th April 1877

Dr. A. M. G. G. G.
Collector

Submitted for the inform-
ation of Government

2. The Government orders con-
template relief being given
under supervision in village
persons who refuse to go to
camps should be watched

and if there seems to be danger
should be admitted to relief.

3. The progress and cost of works
seems satisfactory. The tax is on
by no means light.

(Enclosure on back)

Director

Secretary

The Additional Secretary to
Government B.D. with
copies of 2 on enclosure

The sum
 of Rs. 11,000
 is the amount of the
 work done by the
 Government in the
 year 1874-75.

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 of Rs. 11,000
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 Government in the
 year 1874-75.



Estimate of the works to be done

Communications

1. Road from Saini to Manna } amount of Estimate Rs. 11000

2. 2nd from Cophala to } 21950

3. 2nd from 20 to 1st road } 15000

Irrigation

4. Repairing Karampolam tank of } 635

5. Karampolam of Kottur of } 635

6. Mannu tank & channel } 1350

7. Karampolam tank in S.C. } 680

8. Karampolam tank in S.C. } 1150

9. Karampolam tank & channel in S.C. } 5430

10. Repairing channel of Karampolam in S.C. } 1214

11. 2nd Karampolam tank of S.C. } 290

12. 2nd Karampolam tank of S.C. } 820

13. 2nd Karampolam tank of S.C. } 620

14. 2nd Karampolam tank of S.C. } 830

15. 2nd Karampolam tank of S.C. } 1340

16. 2nd Karampolam tank of S.C. } 1130

17. Mannu tank in S.C. } 820

18. Karampolam tank of S.C. } 460

19. Karampolam tank of S.C. } 610

20. Madaicolam of Pappanpatty in D. 400
21. do do in Chettur in do 500
22. Valla Kondasamudra of Nallamanna in do 1710
23. Peryasamudra tank of Kallatur in do 1000
24. Kattanholam tank and its sluice in Palni Taluk 520
25. Supplying Channel of Pappanpatty tank & strengthening its Calicut 730
26. Periacolam of Idissuott in Idissuott Taluk 394
27. do of Maitipady in do 694
28. Sengolam tank of Kallambattu in Palni Taluk 990
29. Maicolam tank of do in do 630
30. Pappanholam of do in do 380
31. Kalikanai kappatt tank in do 295
32. Pattenholam of Nallamanna in do 775
33. Karoonkappatt tank of do 45

Minor Village roads

34. Repairing road from Idissuott to Kooranoor 8 miles 4 furlongs 2250
5120 yards in Palni Taluk
35. Repairing road from Kooranoor to Shoppampatty 2 miles 1 furlong 684 yds in Palni Taluk 450
36. Repairing road from Kallatur to Peryasamudra 2 miles 6 furlongs in Palni Taluk 620
37. do do from Kallatur to Idissuott 1 mile 1 furlong 340

38. do do from Shoppampatty to Kallatur and again 6 miles 6 furlongs 101 yards 195
39. do the old road from Kallatur to Peryasamudra via Manar 5 miles 199 yds 1230

signed C. W. W. Martin
as Secy (Collector)
(True Copy)
signed W. McGowan
Collector

(True Copy)

Witness
Secretary

ndent

13

18
1664

Endorse in 1885
Proceedings of the
Additional Secy.
of the H. R. A. dated
25th Dec 1877 as
1919.

Ex. 22946
405 May 17 1886

Name of Work	Quantity	Unit	Rate	Total	Remarks
1. Road from ... to ...	...	...	...	...	...
2. Road from ... to ...	...	...	...	...	...
3. Road from ... to ...	...	...	...	...	...
4. Road from ... to ...	...	...	...	...	...
5. Road from ... to ...	...	...	...	...	...
6. Road from ... to ...	...	...	...	...	...
7. Road from ... to ...	...	...	...	...	...
8. Road from ... to ...	...	...	...	...	...
9. Road from ... to ...	...	...	...	...	...
10. Road from ... to ...	...	...	...	...	...
11. Road from ... to ...	...	...	...	...	...
12. Road from ... to ...	...	...	...	...	...
13. Road from ... to ...	...	...	...	...	...
14. Road from ... to ...	...	...	...	...	...
15. Road from ... to ...	...	...	...	...	...
16. Road from ... to ...	...	...	...	...	...
17. Road from ... to ...	...	...	...	...	...
18. Road from ... to ...	...	...	...	...	...
19. Road from ... to ...	...	...	...	...	...
20. Road from ... to ...	...	...	...	...	...
21. Road from ... to ...	...	...	...	...	...
22. Road from ... to ...	...	...	...	...	...
23. Road from ... to ...	...	...	...	...	...
24. Road from ... to ...	...	...	...	...	...
25. Road from ... to ...	...	...	...	...	...
26. Road from ... to ...	...	...	...	...	...
27. Road from ... to ...	...	...	...	...	...
28. Road from ... to ...	...	...	...	...	...
29. Road from ... to ...	...	...	...	...	...
30. Road from ... to ...	...	...	...	...	...
31. Road from ... to ...	...	...	...	...	...
32. Road from ... to ...	...	...	...	...	...
33. Road from ... to ...	...	...	...	...	...
34. Road from ... to ...	...	...	...	...	...
35. Road from ... to ...	...	...	...	...	...
36. Road from ... to ...	...	...	...	...	...
37. Road from ... to ...	...	...	...	...	...
38. Road from ... to ...	...	...	...	...	...
39. Road from ... to ...	...	...	...	...	...
40. Road from ... to ...	...	...	...	...	...
41. Road from ... to ...	...	...	...	...	...
42. Road from ... to ...	...	...	...	...	...
43. Road from ... to ...	...	...	...	...	...
44. Road from ... to ...	...	...	...	...	...
45. Road from ... to ...	...	...	...	...	...
46. Road from ... to ...	...	...	...	...	...
47. Road from ... to ...	...	...	...	...	...
48. Road from ... to ...	...	...	...	...	...
49. Road from ... to ...	...	...	...	...	...
50. Road from ... to ...	...	...	...	...	...
51. Road from ... to ...	...	...	...	...	...
52. Road from ... to ...	...	...	...	...	...
53. Road from ... to ...	...	...	...	...	...
54. Road from ... to ...	...	...	...	...	...
55. Road from ... to ...	...	...	...	...	...
56. Road from ... to ...	...	...	...	...	...
57. Road from ... to ...	...	...	...	...	...
58. Road from ... to ...	...	...	...	...	...
59. Road from ... to ...	...	...	...	...	...
60. Road from ... to ...	...	...	...	...	...
61. Road from ... to ...	...	...	...	...	...
62. Road from ... to ...	...	...	...	...	...
63. Road from ... to ...	...	...	...	...	...
64. Road from ... to ...	...	...	...	...	...
65. Road from ... to ...	...	...	...	...	...
66. Road from ... to ...	...	...	...	...	...
67. Road from ... to ...	...	...	...	...	...
68. Road from ... to ...	...	...	...	...	...
69. Road from ... to ...	...	...	...	...	...
70. Road from ... to ...	...	...	...	...	...
71. Road from ... to ...	...	...	...	...	...
72. Road from ... to ...	...	...	...	...	...
73. Road from ... to ...	...	...	...	...	...
74. Road from ... to ...	...	...	...	...	...
75. Road from ... to ...	...	...	...	...	...
76. Road from ... to ...	...	...	...	...	...
77. Road from ... to ...	...	...	...	...	...
78. Road from ... to ...	...	...	...	...	...
79. Road from ... to ...	...	...	...	...	...
80. Road from ... to ...	...	...	...	...	...
81. Road from ... to ...	...	...	...	...	...
82. Road from ... to ...	...	...	...	...	...
83. Road from ... to ...	...	...	...	...	...
84. Road from ... to ...	...	...	...	...	...
85. Road from ... to ...	...	...	...	...	...
86. Road from ... to ...	...	...	...	...	...
87. Road from ... to ...	...	...	...	...	...
88. Road from ... to ...	...	...	...	...	...
89. Road from ... to ...	...	...	...	...	...
90. Road from ... to ...	...	...	...	...	...
91. Road from ... to ...	...	...	...	...	...
92. Road from ... to ...	...	...	...	...	...
93. Road from ... to ...	...	...	...	...	...
94. Road from ... to ...	...	...	...	...	...
95. Road from ... to ...	...	...	...	...	...
96. Road from ... to ...	...	...	...	...	...
97. Road from ... to ...	...	...	...	...	...
98. Road from ... to ...	...	...	...	...	...
99. Road from ... to ...	...	...	...	...	...
100. Road from ... to ...	...	...	...	...	...

21
1666

20
1666

Name of both		Quantity of each		Total of		Remarks	
of		Material		Gravel			
				Sand			
		Quantity of 3rd					
		4358 5/8		516 4 10			
		2nd 58 1/4		14 8 1			
		3rd 58 1/4		156 12 1			
		4th 58 1/4		4 4 1			
		5th 58 1/4		802 1 1			
		6th 58 1/4		6035 5 1			
4th Repairing Karaman		Earth 584 1/4		547 9 7			
5th Sand of Kutter		635 563 1/4		Gravel 126 1/4		563 1/4	
				15 10 1		note 2-28	
				5967 5/8		563 6 8	
5th 2nd Karaman Bank		635 589 7/6		5544 3/4		589 7/6	
				520 3 10		note 29-18	
6th 3rd Karaman Bank		1350 2302 8/6		Earth 10516 1/4		23 3 6	
				995 4 1		2925 1/2	
						note 12-13-2	
7th 4th Karaman Bank		680 231 8 7		Earth 2394 1/2		31 11/10	
				Gravel 116 7/8		12 11/10	
				239 1/6			
				Earth 2081 1/6		544 5 5	
				195 2 1		note 17-18	
8th 5th Karaman Bank		1150 694 4 1/2		Gravel 2048 3/4			
				225 1 5			
				Gravel 1801 3/4			
				225 3 9			
				Gravel 294			
				4 9 2			
				649 1/6			
9th 6th Karaman Bank		476 733 9 9		Earth 8384 5/8		37 4 1	
				655 1 3		8018 1/4	
				Gravel 8628 1/2		note 5-4-27	
				58 10 5			
				743 15 8			

Table

Name of Work	Quantity	Unit	Rate	Total of Column 4	Remarks
10.50 Bullseye Channel	214	923	76	2.00	
11.20 Shallowing	1950	173		423.76	marking out
12.00 Shallowing	1950	173		173	
13.00 Shallowing	440	127	3	4.08	
14.00 Shallowing	440	127	3	11.57	
15.00 Shallowing	440	127	3	21.5	
16.00 Shallowing	440	127	3	21.5	
17.00 Shallowing	440	127	3	21.5	
18.00 Shallowing	440	127	3	21.5	
19.00 Shallowing	440	127	3	21.5	
20.00 Shallowing	440	127	3	21.5	
21.00 Shallowing	440	127	3	21.5	
22.00 Shallowing	440	127	3	21.5	
23.00 Shallowing	440	127	3	21.5	
24.00 Shallowing	440	127	3	21.5	
25.00 Shallowing	440	127	3	21.5	
26.00 Shallowing	440	127	3	21.5	
27.00 Shallowing	440	127	3	21.5	
28.00 Shallowing	440	127	3	21.5	
29.00 Shallowing	440	127	3	21.5	
30.00 Shallowing	440	127	3	21.5	

Notes

Notes

37.35

signed C. W. N. Martin
of San Francisco
(True Copy)

signed W. M. Baker
Collector

(True Copy)

W. M. Baker

Secretary

1777

Machine in hand
 collecting 1000
 additional specimens
 of the 2d. lot 200
 of 1899 no.