

(1) Number of pages 15

(2) Date of repair 26-8-28

(3) Initials of the Referencer J

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	797	Press Mis.
Dated	6-7-	1885.

Not to be folded or roughly handled

6TH JULY 1885, No. 797, REVENUE.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following letter from M. C. FURNELL, Esq., M.D., F.R.C.S., Surgeon-General with the Government of Madras, to the Secretary to Government, Revenue Department, dated Coonoor, 26th June 1885, No. O-142:—

With reference to G.O., No. 550, dated the 12th May last, I have the honor to state for the information of Government, that after partially carrying out the required alterations in the evaporating apparatus at the Medical Depot for manufacturing the liquid extract of cinchona alkaloids, it was found on trial that the alterations did not answer the purpose for which they were made.

2. To enable the operation to be successfully carried out, it is necessary to erect an apparatus for utilizing some of the existing evaporating pans in the depot, for which plan and estimate, amounting to Rs. (200) two hundred, are enclosed for the sanction of Government. This provision is needed for the manufacture of only the quantity of the liquid extract authorized to the extent of 1,000 lb. of bark.

3. For the future permanent manufacture of this drug, a new form of steam jacket and evaporating pans are said to be necessary, to be procured from England, for which plans will be submitted hereafter by the Department of Public Works.

4. With reference to paragraph 4 of Mr. Lawson's letter, I am entirely in accord with him in considering that the medicine should be offered to the public in bottles of the capacity of 1, 2, 4, 8 and 16 ounces. These bottles can be furnished by the Principal Medical Storekeeper for the first supply without waiting for arrivals from England or Germany.

No. 766 of 20th June 1885.
No. 795 of 23rd June 1885.

5. Two letters from the Medical Storekeeper on the subject are forwarded for reference.

ENCLOSURES.

Letter from Surgeon-Major A. L. HACKETT, Officiating Principal Medical Storekeeper, to the Secretary to the Surgeon-General with the Government of Madras, dated Madras, 20th June 1885, No. 766.

[Reference.—Your endorsement No. 2760, dated 3rd instant, on G.O., Revenue Department, No. 550 of 12th May. Dr. Pearse's letter No. 243, dated 23rd April 1885, is herewith returned as requested.]

I have the honor, in continuation of this office letter No. 243, dated 23rd April 1885, to report that the alterations mentioned therein, as required in the evaporating apparatus, were partially carried out; but it was found on trial that they did not answer the purpose for which they were made. It was ascertained by experiment that the shape of the only evaporating dishes in store was unfavorable to the operation of evaporation, since after a short time the water in the bath receded from the bottom of the pan, and the required temperature of the fluid to be evaporated could not be maintained.

2. To enable the operation to be successfully carried out, a new form of steam jacket and evaporating pans will be necessary, for which plans will be submitted by the Public Works Department. As these, however, should be obtained from home, it is proposed for the present to erect an apparatus by which six or eight of the available evaporating pans can be kept at work, and the required quantity of the liquid cinchona speedily manufactured. A plan (and estimate) of this has been promised, but not yet received, and this has caused the delay in replying to your memorandum as above. As soon as these have been received, I shall communicate with you again on the subject.

6TH JULY 1885, No. 797, REVENUE.

MEMORANDUM No. 3132.

No remarks are made in connection with paragraphs 2 to 4 of the Director's letter recorded in the Government order quoted within.
It is requested that it may now be done and the papers returned *with the least practicable delay.*

(By Order.)

(Signed) D. ELCUM, Surgeon,
Ag. Secy., Surgeon-Genl. with Govt. of Madras.

FORT ST. GEORGE,
22nd June 1885.

Letter from Surgeon-Major A. L. HACKETT, Officiating Principal Medical Storekeeper, to the Secretary to the Surgeon-General with the Government of Madras, dated Madras, 23rd June 1885, No. 795.

[Reference.—Your No. 3132, dated 22nd instant.]

In returning the above with its enclosure, I have the honor, in reference to paragraph 2 of the Director's letter recorded in G.O., No. 550, dated 12th May last, to state that I concur in the opinion of Dr. Pearse that it will be desirable that Mr. Hooper should personally superintend the manufacture of the first quantity of the liquid cinchona. Intimation will be given him when the apparatus is ready.

2. In regard to paragraph 3, I believe that the sale in small quantities of the new preparation will be advantageous to the poorer classes, and in this view I agree with the proposal of the Director made in paragraph 4 of his letter that the liquid extract be issued in quantities of 1, 2, 4, 8 and 16 ounces respectively. I do not, however, consider it necessary that bottles should be procured from Germany or elsewhere. To prevent delay the Store Depot will be in a position to supply them for the first batch at least.

ORDER—dated 6th July 1885, No. 797, Revenue.

Miscellaneous.

The estimate, amounting to Rs. 200, is sanctioned.

2. The provision of funds will be considered in the Financial Department.

(True Extract.)

(Signed) W. WILSON,
Ag. Secretary to Government.

To the Surgeon-General with the Government of
Madras, with plan and estimate returned.
„ the Financial Department.
„ the Director, Government Cinchona Plantations, &c.
„ the Military Department.

Exd. W. H. French.

60 Copies.

Govt. of Madras.

REVENUE.

Issued

Recd.

Encl.

G.O., 6th July 1885, No. 797.

JULY.

Cinchona Alkaloids.

Estimate to erect an apparatus for utilizing some of the existing evaporating pans in the Medical Depot for manufacturing the liquid extract of —, sanctioned; and the provision of funds referred for consideration in the Financial Department.

Received from Madras
for signature.

note

Submitted for the perusal
of the undersecy. A.H.

16/7

Govt. of Madras.

REVENUE.

Issued

Recd.

Encl.

G.O., 6th July 1885, No. 797.

JULY.

Cinchona Alkaloids.

Estimate to erect an apparatus for utilizing some of the existing evaporating pans in the Medical Depot for manufacturing the liquid extract of —, sanctioned; and the provision of funds referred for consideration in the Financial Department.

Received from Madras
for signature.

note

Submitted for the perusal
of the undersecy
16/7

GA

Enclaves

No. 766

386

GOVERNMENT MEDICAL STORES,

Madras, 20 June 1885.

ENCL. ✓

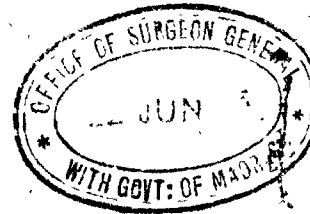
From

THE PRINCIPAL MEDICAL STOREKEEPER,

To

THE

Secretary to the
Surgeon General
with the Govt. of Madras



SIR,

Reference

Your endorsement No. 2760 of
13th Instt. on G. O. Revenue report
No. 5510 of 12th Instt. Dr. Barré letter
No. 243 of 23rd April/85 is herewith
returned as requested.

I have the honor in —
continuation of this Office letter
No. 243 of 23rd April/85 to report
that the alterations mentioned
therein as requested in the evapo-
rating apparatus were partially
carried out; but it was found
on trial that they did not
answer the purpose for which
they were made. It was
ascertained by experiment that
the shape of the only evaporation
dishes in store was unfavorable
to the operation of evaporation,
since after a short time the
water in the bath receded

frank

from the bottom of the pan,
and the required temperature
of the fluid to be evaporated
could not be maintained.

2. To enable the operation
to be successfully carried out
a new form of Steam Jacket
and evaporating pans will be
necessary, for which plans will
be submitted by the Public
Works Department. As these
however should be obtained
from Home, it is proposed
for the present to erect an
apparatus by which dist. or
eight of the available evapo-
rating pans can be kept at
work, and the required quantity
of the liquid Cinchona speedily
manufactured. A plan (and
estimate) of this has been
promised, but not yet received,
and this has caused the delay.
In replying to your Memo. as above
as soon as these have been
received I shall communicate
with you again on the subject.

I have the honor to be

Sir
Yours Most Obedt. Servant

Offg. Surgeon Major
H. H. D. S. S. S.

12225

No. 3132

Memo

1885

No. 3449

May

No remarks are made
in connection with para
2 & 4 of the Director's
letter recorded in the
G.O. notes within which

It is requested that
it may now be done
& the papers returned
with the least practicable
delay.

(By Order)

D. Elcum

Surgeon

agcy Surgeon Genl
with Govt of Madras

For Wfrge 22^d June 85

To be returned

16/23/85

2
Dec 46/85

No. 795 556

GOVERNMENT MEDICAL STORES,

Madras, 23 June 1885

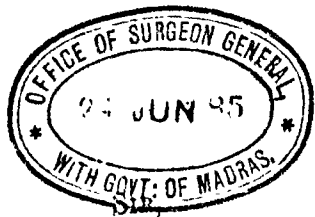
Encl. Two

From

THE PRINCIPAL MEDICAL STOREKEEPER,

To

THE Secretary to the
Surgeon General
with the Govt. of
Madras.



Reference
Yours No. 3132 of 22^d Inst.

In returning the above
with its enclosure, I have the
honor in reference to para 2
of the Director's letter recorded
in G.O. No. 530 of 12th May last,
to state that I concur in the
opinion of Dr. Pearse that
it will be desirable that Mr.
Hooper should personally
superintend the manufacture
of the first quantity of the
Liquid Cinebona. Intimation
will be given him when the
apparatus is ready.

In regard to para 3 I
believe that the sale in small
quantities of the new prepa-
ration will be advantageous
to the poorer classes and

in this view I agree with the
proposal of the Director
made in paragraph 4. of
his letter that the required
Extrait be issued in quantities
of 1. 2. 4. 8 and 16 ~~it~~ respectively.
I do not however consider
it necessary that Batches
should be procured from
Germany or Elsewhere. To
prevent delay the Depot
will be in a position
to supply them for the
first batch at least.

I have the honor to be
Dear
Yours most obedt Servt

Surgeon Major
Offy. Paul Westphalen

1883
No 3490
Wey

118
OFFICE OF SURGEON-GENERAL
WITH THE GOVERNMENT OF MADRAS,
Cannoor, 26 June 1885.
Fort St. George,

No. $\frac{0}{142}$

From M. G. Furnell Esq. M.D. F.R.C.S.
THE SURGEON-GENERAL WITH THE

GOVERNMENT OF MADRAS,

~~Fort St. George,~~

To

THE Secretary to Government
Revenue Department

SIR,

With reference to G. O. No. 550 dated the 12th May last, I have the honor to state for the information of Government, that after partially carrying out the required alterations in the evaporating apparatus at the Medical Depot for manufacturing the liquid extract of cinchona alkaloids, it was found on trial that the alterations did not answer the purpose for which they were made.

2- To enable the operation to be successfully carried out, it is necessary to erect an apparatus for utilizing some of the existing evaporating pans in the Depot, for which plan and estimate amounting to Rupees (200) two hundred are enclosed for the sanction of Government.

This

1
Per 4/6/85

This provision is needed for the manufacture of only the quantity of the liquid extract authorized, to the extent of 1000 lbs of bark.

3- For the future permanent manufacture of this drug, a new form of steam-jacket and evaporating pans are said to be necessary, to be procured from England, for which Plans will be submitted hereafter by the Department of Public Works.

4 - With reference to para 4 of Mr. Lawson's letter, I am entirely in accord with him in considering that the medicine should be offered to the public in bottles of the capacity of 1, 2, 4, 8 and 16 ounces. These bottles can be furnished by the Principal Medical Storekeeper for the first supply without waiting for arrivals from England or Germany. ✓

5 - Two letters from the Medical Storekeeper on the subject are forwarded for reference. N^o 766 of 20 June '83. N^o 795 of 23 June '83.

I have the honor to be
Sir
Your most Obedt Servant

M. L. Fumell
Surgeon General & Govt

