M.R.O. 1—77,006—8-6-37.

(1) Number of pages 18

(2) Date of repair 24-8-38

(3) Initials of the Referencer

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

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 Depôt 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 depôt, 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.

MEMORANDJM 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,
22*nd 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 Depôt 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 {1885} 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 Depôt 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 under secy

16/7 AR

Govt. of {1885} 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 Depôt 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 under secy

16/7 AR

Enclosures

No. 766 38/

GOVERNMENT MEDICAL STORES,

ENCL. 1

Madras, 20 June 1885.

From

THE PRINCIPAL MEDICAL STOREKEEPER,

To

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

OFFICE OF SURGEON GENERAL JUN WITH GOVT: OF MADRAS

SIR,

Reference

Your endorsement No: 2760 of 3d Instt: on G. O. Revenue Departt No: 5550 of 12th ~~Instt:~~ May Dr: Pearse letter No: 243 of 23d April/85 is herewith returned as requested.

I have the honor in continuation of this Office letter No: 243 of 23d April/85 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

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 Mems: 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
Your Most obedt Servt.

Offg. Surgeon Bengal
Pub. Med. Stockholder

No. 225.

No. 3132

Memo

1885

No. 3449

No remarks are made in connection with paras 2 to 4 of the Director's letter recorded in the G.O. quoted within - ~~which~~

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

(By Order)

D. Elcum

Surgeon

agt Secy Surgeon Genl.

with Govt of Madras

Fort St George 22d June 85

To be returned

No. 23/6/85

2

Rec 26/6/85

No. 795 556

Government Medical Stores,

Encl. Two

Madras, 23d June 1885.

From

The PRINCIPAL MEDICAL STOREKEEPER,

To

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

OFFICE OF SURGEON GENERAL 24 JUN 85 WITH GOVT. OF MADRAS.

Sir,

Reference

Your No. 3132 of 22d Instt.

In returning the above with its enclosure, I have the honor in reference to para 2 of the Directors letter recorded in G.O. No 550 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 superintendent the manufacture of the first quantity of the Liquid Cinchona. 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 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 ℔ respectively. I do not however consider it necessary that Bottles should be procured from Germany or Elsewhere. To prevent delay the Store Depôt will be in a position to supply them for the first batch at least.

I have the honor to be
Sir
Your Most Obt Servt

Surgeon Major
Offg. Pub. Mr. Stuckeyer

No 3490 1885 key

1/ Rec 4 Oct 85

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

No. O/142

From M. C. Furnell Esqr. 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 Depôt 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 Depôt, for which plan and estimate amounting to Rupees (200) two hundred are enclosed for the sanction of Government.

This

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°. 766 of 20 June '83 N° 795 of 23 June '83

I have the honor to be
Sir
Your most Obt Servant

M. C. Tuomey
Surgeon General & Govt

Revenue (1885) Department.

From No. 4641

The Surgeon-General with the Government of Madras,

~~Fort St. George.~~

Hon. Mr. Sullivan.

No. 142

Dated 26th June 1885

Recd. 28th

No. 7977 6.7.85

The Estimate amounting to Rs 250 is sanctioned

2 Funds will be provided in the Financial Departt.

2/7/85

Subject.

Submitting plans & Estimates for the sanction of Govt. to erect an apparatus for utilizing some of the existing evaporating pans in the Medl. Store Depot.

Chief Secy for favor of counterinitials.

To
The Surgeon General with the Govt. of Madras with plan & estimate
" Financial Deptt.
" Director of Govt. Cinchona Plantns
" Military Deptt.

Ref. 29/6 with an order P.T.O.