

(1) Number of pages 12(2) Date of repair 1. 9. 38(3) Initials of the Referencer CP

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	<u>419</u>	Press Mis.
Dated	<u>15-6-</u>	<u>18 88.</u>

Not to be folded or roughly handled*SW*
1/9/38

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—again the following G.O., dated 10th May 1888, No. 2780, Revenue :—

Read—the following letter from M. A. LAWSON, Esq., Government Botanist and Director of Government Cinchona Plantations, Nilgiris, to the Secretary to Government, Revenue Department, dated Ootacamund, 5th May 1888, No. 14 :—

I have the honor to inform you that I am now ready to turn out a large quantity of the solid cinchona febrifuge, but before doing so, I wish to bring to your notice the following facts, and to ask you to issue orders for my guidance on the subject :—

- (1) By the method of extracting the alkaloids at present adopted, there is a loss of 40 per cent.
- (2) If the new method of extracting the alkaloids by the oil process be adopted, there will be a loss of something less than 5 per cent.
- (3) Under these circumstances it seems to me very desirable that the present process should be discontinued at once; and the only difficulty in doing this is that I cannot undertake to supply febrifuge made by the new process until I get the necessary plant from England; and this may not be for another nine months, or a year.

2. The chemicals and other apparatus which have been purchased for manufacturing the febrifuge under the present method will none of them be wasted, as they will all be required for the manufacture of quinine.

3. I shall be obliged if, therefore, you will issue early orders as to whether or no I may be allowed to postpone the making of more solid febrifuge until such time as I shall receive the new plant and chemicals from England.

4. The manufacture of the liquid febrifuge can go on as heretofore.

Order—dated 10th May 1888, No. 2780, Revenue.

Forwarded to the Surgeon-General with the Government for the favor of his remarks on the delay that will occur in the supply of the febrifuge if its manufacture is postponed until the arrival of the apparatus required for the new process.

(True Extract.)

(Signed) J. F. PRICE,
Secretary to Government.

To the Surgeon-General with the Government of Madras.

READ—also the following letter from G. BIDIE, Esq., M.B., C.I.E., Surgeon-General with the Government of Madras, to the Secretary to Government, Revenue Department (through the Chief Secretary to Government, Public Department), dated Ootacamund, 23rd May 1888, No. O-146 :—

In returning the letter of the Director of Government Cinchona Plantations (No. 14, dated 5th May 1888) referred under your No. 2780 of 10th May 1888, I have the honor to submit the following remarks to His Excellency the Governor in Council.

2. The question of the local manufacture of cheap cinchona febrifuges and the measures to be adopted to bring them within easy reach of the people have now been for some years under discussion, and it appears to me, from my own point of view, very desirable that nothing should be allowed to interfere with the preparation and distribution of remedies so urgently required. The anticipated loss of alkaloids in manufacture by existing methods, viz., 40 per cent., is, from an economical point of view, no doubt large, but it is nothing more than was expected prior to the discovery of the oil process of extraction, and it is, in my opinion, a very small matter compared with the sickness and mortality which are annually caused by fever.

3. The deaths from fevers in 1886 amounted to 221,679, being 40 per cent. of the total deaths, and giving a mean death-rate of about eight per thousand of population, but in six districts the mortality ranged from 17 to 11 per mille. The abovementioned death-rate, it is true, was somewhat high, but the average annual total of deaths from fever is about 216,000—a number equal to about half the population of the city of Madras.

4. I am therefore of opinion that the manufacture both of the solid and liquid cinchona febrifuge should go on and their distribution be pushed as arranged under G.O., No. 247, of 10th April 1888. The delay of another year would, in my opinion, be a serious matter.

ORDER—dated 15th June 1888, No. 419, Revenue.

Miscellaneous.

The Government accept the recommendation of the Surgeon-General that the manufacture of the solid and liquid febrifuge should be commenced at once and not postponed until the plant and materials required for the new process are received.

(True Extract.)

(Signed) J. F. PRICE,
Secretary to Government.

To the Government Botanist.
„ the Surgeon-General with the Government of Madras.

Exd. P. L. Pereira.

40 Copies.

9.12.07 ✓

Original

Gobt. of (1888) Madras.
REVENUE.

Issued

Recd.

Encl.

G.O., 15th June 1888, No. 419.

JUNE.

Cinchona Febrifuge.

The recommendation of the Surgeon-General that the manufacture of the solid and liquid — should be commenced at once and not postponed until the plant and materials required for the new process are received, accepted.

No. 14

From

Mr A. Lawson Esquire

Government Botanist and Director
Govt. Cinchona Plantations
Nilgiris

To

The Secretary to Government
Revenue Department
Coimbatore.

Sir,

I have the honor to inform you that I am now ready to turn out a large quantity of the solid Cinchona febrifuge — but before doing so, — I wish to bring to your notice the following facts, and to ask you to issue orders for my guidance on the subject: —

1. By the method of extracting the alkaloids, at present adopted, there is a loss of forty per cent.
2. If the new method of extracting the alkaloids by the oil process be adopted, there will be a loss of something less than five per cent.
3. Under these circumstances, it seems to me very desirable that the present process should be discontinued, at once; and the only difficulty in doing this is that I cannot undertake to supply febrifuge made by the new process, until I get

Rev 2608/88

the necessary plant from England; and this may not be for another nine months, or a year.

Papers sent
to Sutton

2 The chemicals and other apparatus which have been purchased for manufacturing the fibrifuge, under the present method, will none of them be wasted, as they will all be required for the manufacture of quinine

3 I shall be obliged, if, therefore, you will issue early orders, as to whether, or no, I may be allowed to postpone the making of more solid fibrifuge, until ^{such time} as I shall receive the new plant and chemicals from England.

4 The manufacture of the liquid fibrifuge can go on, as heretofore.

I have the honor to be
Sir
Your most Obedt. Servant
M. A. Lawson

Government Botanist and
Director



1888 May

Order No. 2780.

Forwarded to the
Surgeon General with
the Government for the
favor of his remarks
on the delay that will
occur in the supply of the
febrifuge if its manufacture
is postponed until the arrival
of the apparatus required
for the new process.

Redundance
Secretary to Govt

Cotacamund
10 May 1888

To
The Surgeon-General
with the Govt. of Madras

(1888.)
REVENUE DEPARTMENT.

No. 3159.

From
The Govt. Botanist and
Director of Cinchona
Plantations, Nilgiris.

Dated 5th May 1888
Received by ———
Enclosures —

No. 14. CHIEF SECRETARY
GOVERNMENT OF MADRAS

SUBJECT.

Solid febrifuge.

Soliciting your examination
of Govt. as to whether or not the
— may be postponed until
such time the new plant and
chemicals are received from
England & informing that liquid
febrifuge will be manufactured
as heretofore.

Thro' the Chief Secretary to Govt. Pub. Dept.

OFFICE OF SURGEON-GENERAL

WITH THE GOVERNMENT OF MADRAS,
Cotacamund 23rd May 1888.

No. 07146

From
G. Bidie Esq. M. B., B. S. E.
THE SURGEON-GENERAL WITH THE

GOVERNMENT OF MADRAS,

FORT ST. GEORGE,

Cotacamund.

To
THE CHIEF SECRETARY TO GOVERNMENT,

Revenue DEPARTMENT.

SIR,

In returning the letter of the Director of Government
Cinchona Plantations (No. 14 dated 5 May 1888) referred
under your No. 2780 of 10 May 1888 I have the honor to
submit the following remarks to His Excellency the
Governor in Council.

2. The question of the local manufacture of cheap cinchona
febrifuges and the measures to be adopted to bring them
within easy reach of the people have now been for some
years under discussion, and it appears to me, from
my own point of view, very desirable that nothing
should be allowed to interfere with the preparation
and distribution of remedies so urgently required.
The anticipated loss of alkaloids in manufacture
by existing methods viz 40 per cent - is from an
economical point of view no doubt large, but it
is nothing more than was expected prior to the
discovery of the oil process of extraction, and
it is in my opinion a very small matter compared
with the sickness and mortality which are

annually caused by fever.

3. The deaths from fevers in 1886 amounted to 221,679 being 40 per cent of the total deaths and giving a mean death rate of about 8 per thousand of population, but in 6 districts the mortality ranged from 17 to 11 per mille. The above mentioned death rate it is true was somewhat high, but the average annual total of deaths from fever is about 216,000, a number equal to about half the population of the City of Madras.

4. I am therefore of opinion that the manufacture both of the solid and liquid cinchona febrifuge should go on and their distribution be pushed as arranged under G.O. No 247 of 10 April 1888. The delay of another year would in my opinion be a serious matter.

I have the honor to be

Sir,

Your Most Obedt. Servant.

David M.B., C.S.E.

Surgeon-General.

Govt. of Madras



10-5-88 20-2780

Handwritten note: 10-5-88 20-2780

For orders.

It is thought that the Surgeon General's re-commendation should be accepted. The matter has been hanging fire for a long time and altho' the plant and materials required for the new process have been ordered it is quite possible that it may be some considerable time before the manufacture is set going.

W. Has 13 June 13/June 13/6

Read again for 10-5-88 20-2780
also .c. 20 3608.

S.O. of 15 June 1888, no. 1419.

The Govt accept the recommendation of the Surgeon General that the manufacture of ^{the solid & liquid} fever fever should be commenced at once ^{and not postponed} until the plant & materials required for the new process are received.

W. Has 15 June 15/June

C 144
R 146

Revenue (1888) DEPARTMENT.

No. 3608

From G. Bidie Esq. M. B., C. I. E.
THE SURGEON-GENERAL WITH THE

GOVERNMENT OF MADRAS,

Fort St. George.

Botacamund.



No. 07/446

Dated 23 May 1888.
Recd. 28

No.

Exc't

SUBJECT.

Submits remarks regarding the manufacture of both solid and liquid ^{Chorea} febrifuge.

To the Govt. Botacamund
Surgeon General
with the Govt. of Madras

P. T. C.