M.R.O., —77,606—8-5-37.

(1) Number of pages 4.

(2) Date of repair 7-5-38.

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 6962 Press-Mis.

Dated 31-10- 1887.

Not to be folded or roughly handled

7.5.38

No. 46

Director's Office,

Ootacamund, 26 October 1889

From

M. A. LAWSON, Esq.,

Government Botanist and Director of

Government Cinchona Plantations, &c.,

Nilgiris.

To

The Secretary to Government

Revenue Department

Fort St. George

Sir,

In continuation of my letter No. 11 dated the 2nd May 1889, I have the honor, with reference to G.O. No. 3402 dated the 4th June 1889, Revenue - to inform you that the factory for the manufacture of the Sulphate of quinine is now in working order; and that a small quantity of quinine, of a pure description, has been already made.

2. The delay in making this report has been due to two causes; first I was unable for a long time to get proper kinds of bark; indeed these were not started until the middle of August; Secondly, before attempting to turn out the quinine on anything like a large

Scale

scale, it was absolutely necessary to make many experiments, with a view not only of discovering the most economical methods of working, but also for the purpose of drilling the workmen in the Laboratory.

3. There have been many difficulties to contend with both in connection with mechanical and chemical details; but these difficulties have been for the most part overcome by the experience gained during the last four months; and where doubts still existed, these have been resolved by the greater experience of Mr. Gammie, who, a few days ago, was good enough to visit the Factory and give us the benefit of his advice.

4. Before beginning again to manufacture the quinine on a larger scale, than has been done hitherto, it will be necessary to obtain more chemicals and

in the course of the next few days I shall send in an Indent for the clothing found to be required for the protection of Europeans at this season.

I have the honor to be
Sir
Your Most obedient Servant
Wm. Leard
Surgt Bengal Army

G.G. 4-6-89, No 3449

G.G. Nilgiri Cinchona

Recorded.

Nov 30 1889

Ps

Med'l & Cinchona Plantations. 33

2).2-89

REVENUE (1887.) CINCHONA.

Revenue Department

No 8394

From

M. A. LAWSON, Esq.,

GOVERNMENT BOTANIST AND DIRECTOR OF

GOVERNMENT CINCHONA PLANTATIONS,

Nilgiris.

To The Secretary to Government

Revenue Department

Fort St. George.

No. 41

Dated 26 4/
Despd. 26 6/
Reed. — —

Coonoor, 188 .

28 OCT 89

ENCLOSURES

SUBJECT.

Sulphate of quinine

Reports that the

Factory for the manufacture

of — at Naduvatam

is now in working order and

that a small quantity of

quinine of a pure description

has already been made