

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1387	~~Press~~ Mis.
Dated	18-5	1868.

Not to be folded or roughly handled*17/10*

1)

*Proceedings of the Madras Government, Revenue Department,
18th May 1868.*

No. 421. Read the following letter from the Inspector General, Indian Medical Department, to the Secretary to Government, Revenue Department, dated Fort St. George, 7th May 1868, No. 166 :—

1. I have the honor to submit, herewith, Report and tabular Statements by Assistant Apothecary Wade of the therapeutic effects of the Chinchona preparations marginally named, recently sent for trial by Mr. Broughton.

No. I.—Sulphate of mixed Alkaloids of Red Bark.
" II.—Alkaloid prepared by native "Soudoo."
" III.—Chinchonidine from Red Bark.

2. So far as it goes the Report is highly satisfactory, but before pronouncing a definite opinion on the virtues of these preparations, it would of course be desirable that they should be tested on a larger scale, and in other localities, where different types of malarious fever prevail.

3. The quantity of each furnished by Mr. Broughton was so small, that no satisfactory result would have been obtained by distributing it to different places; and the whole was therefore sent to Goodaloor, which is the most malarious of our stations.

4. I would now suggest that Mr. Broughton be asked to send a considerably larger quantity of these preparations, for trial in different parts of the country.

From Mr. M. WADE, in Medical charge, Goodaloor, to the Officiating Secretary to the Principal Inspector General, Indian Medical Department, Fort St. George, dated Goodaloor, 23rd April 1868, No. 15.

1. In obedience to your instructions conveyed in Memorandum No. 385, of 29th January last, forwarding Proceedings of Government of date 13th December 1867, with the salts marginally named for experimental trial, I beg to submit, for the information of the Principal Inspector General, the accompanying three tabular reports of the results obtained by their use.

No. I.—Sulphate of the mixed Alkaloids of Red Bark.
" II.—Alkaloid prepared by native "Soudoo."
" III.—Chinchonidine from Red Bark.

2. Thirty-one well marked cases are thus shewn to have been successfully treated, all of whom, with one exception, were of the Quotidian type.

3. *Preparation No. I.*—From the small quantity supplied of this salt, only seven cases could be brought under its influence, in four of whom the attack was cut short by a single dose, two requiring a second, and one a third dose, the latter rejecting from the stomach the first and second doses prescribed. It readily dissolved with dilute Sulphuric Acid, imparting a blue tint to the solution, so characteristic of Quinine. It has been used in a case complicated with dysentery, and in another whose constitution was thoroughly shattered by secondary Syphilis and privation with happy results. The occupation of most of the patients thus treated is of a nature calculated to expose them not only to the direct solar rays, but also to the sources of malaria.

4. *Preparation No. II.*—Twelve cases were treated with this salt, in six of whom one dose was sufficient to stay the attack, three required a second, two a third, and one a fifth dose; the latter, a Constable of the Mofussil Police, was stationed in one of the most unhealthy parts of the district, where he contracted a severe attack, and which from a short neglect increased in severity; hence, five doses on five successive days were persevered in so as to effectually cure. This preparation is heavier than the other two, and has been used in combination with dilute Acid, as directed by Mr. Broughton in paragraph 10 of the Proceedings of Government above referred to.

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5. *Chinchonidine*.—With this salt twelve cases have been treated, in nine of whom one dose was sufficient, two requiring a second, and one a third dose. Vomiting was induced in two cases only, and a relaxed state of the bowels for two days affected two others. Its therapeutic effect as a febrifuge has already been reported upon in connection with the alkaloids.

6. Chinchonism was fully established in fourteen of the cases treated, while in six it was only partially induced; in nine others, this symptom, though enquired for, was not complained of; the remaining two were children, from whom it could not be satisfactorily ascertained.

7. From the experiments already carried out with these salts, the patients, save one, have up to this time enjoyed an immunity from a subsequent attack. Case No. 23, after the lapse of a month, had had a second attack. He is a Sub-Overseer on the temporary establishment of the Department Public Works, of an anæmic character, and constitutionally weakened by previous attacks. He is a native of Calicut, of spare habit of body, and unable to withstand the malarious influences to which he is subjected. His removal to the coast has been recommended to the Executive Engineer in charge.

8. The dose usually administered was ten grains three hours before expected attack, repeated on each successive day till the paroxysm was checked.

9. From the small quantity of the salts supplied, I have been unable to test their efficacy in small and repeated doses, but the results obtained by the above practice, I would beg to point out, shew that a ten-grain dose of any of the preparations, tends either to cut short the attack altogether, or mitigates the severity of a succeeding paroxysm, and may be used with advantage in pallial fevers.

No. 422. ORDER THEREON, 18th May 1868, No. 1,387.

Miscellaneous.

1. Ordered to be communicated to Mr. Broughton with reference to his report dated 28th November 1867, and

with the request that he will furnish the Inspector General, Indian Medical Department, with the further larger supply of the preparations required for extended trial.

2. The Government agree with Dr. Mackenzie that the results already ascertained are very satisfactory.

(True Extract.)

(Signed)

W. HUDLESTON,
Secretary to Government.

To the Government Quinologist,
,, the Board of Revenue.
,, the Inspector General, Indian Medical Department.
,, the President of the Chinchona Commission.

Ed. T. O'Connor.

1387.

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1. Govt. Quinologist. Dec 19/67

14. Mr. H. M.

11. Inspector Gen. Indian Medical Dept.

12. Pres. Chinchona Commission

18 May/68