

Local & Munl. (1898) Department.

MISCELLANEOUS.

G.O., No. 603 P

DATED 22-6-1898.

[Despatch Abstract.]

Syringes for inoculation • Requesting  
the Secretary of State to send 25  
Syringes du Dr Roux required for  
plague inoculation; and  
requesting the Surgeon General to  
report what use can be made  
of the 20 Syringes bought last year

# BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|------|-----|-------------|-------|------|-----|-------------|-------|
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# FURTHER PAPERS.

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[ L. & M. ]  
590 -16-3-98.

Papers to be read in Proceedings:—

Again G.O., No. dated 189 ,  
Again G.O., No. dated 189 ,  
Current No. 854P of 1898, dated 3-6-98, from Sanitary Comm.  
" " 909P " 1898, " 17-6-98 " Hygienic Council.  
" " " 189 , "

## ORDER.

The Government accepts the  
Hygienic Council's recommendation,  
but considers that a supply of  
25 syringes <sup>will</sup> suffice. The  
following telegram will accordingly  
be despatched to the Secy of State  
for India  
Please send twenty five  
Syringes du <sup>docteur</sup> Roux for plague  
inoculation. Obtainable with  
spare glass barrels, plungers,  
washers and needles, obtainable  
(from) Collin, Maison Charniere,  
Paris. Required for plague  
inoculation.

Desp. 22.6.98

Desp. 22-6-1898

To the Hygienic Council  
Sanitary Comm.

2. The Hygienic Council is  
requested to report what use  
can be made of the 20 syringes  
obtained last year.  
24/6/98. H.T.  
21698

(80/1406m  
15.6.97) T

of stores remarked that the  
keeps Arnold and sons'  
pattern which had been supplied

LOCAL AND MUNICIPAL DEPARTMENT.

Again G.O., dated

189 , No.

Current No. 854 P

of 1898, dated

3-6-98

from the Sanitary Commr

Current No.

909 P

of 1898, dated

17-6-98

from the Surgeon General.

SUBJECT.

Plague inoculation syringes

FOR ORDERS.

J. M.

Surgeon Major Bannerman  
having reported in his letter  
No - 4127-3-97 that  
Mr. Haffkine was performing  
inoculation by means of a  
"pravas syringe", the S.G.  
suggested that a supply of  
12 "pravas serum syringes, each  
"of 10 cubic centimetres capacity  
"with leather pistons and  
"graduated stems" be obtained  
through the Secy of the S.G.  
Mr. Chavvire Colling  
Instrument maker, Paris  
A telegraphic order is on  
syringes of the desired

(80/8874  
13.4.97) X

Messrs Arnold and Sons, London  
 and was told that "(Messrs  
 Collins of Paris) only keeps  
 Roux's serum syringes in stock,  
 these are fitted with india-  
 rubber pistons and not leather  
 as asked for. We are now  
 manufacturing for them a  
 syringe which is considered the  
 most ~~valuable~~ serviceable  
 for the purpose required. These  
 syringes possess many advantages  
 over the French made syringes,  
 as they can be easily and  
 effectually sterilised. The  
 pistons are made of asbestos  
 and can be either boiled or  
 burnt without injury". The  
 India office thereupon telegraphed  
 this fact that proving syringes  
 are not in stock and that the  
 best improvement could be  
 had at once. This telegram  
 was sent to the Surgeon General  
 who said that the  
 improvement would suit.

W (L 80 140611 d 15-6-97)

x The purpose was not clearly  
 stated in the telegraphic despatch  
 to the India office.

V (L 80 101311 d 29-4-97)

U (L 80 101311 d 29-4-97)

(L 80 140611 d 15-6-97) T

of stores remarked that the  
 Messrs Arnold and Sons'  
 pattern which had been supplied  
 had been specially approved  
 by Mr. N. C. Macnamara F.R.C.S.  
 Examiner of Surgical Instruments,  
 who considered it an improvement  
 on the syringe of French make,  
 asked for originally by this Govt.

2. Of the 20 syringes  
 obtained as above, 2 have been  
 supplied to the Sanitary Commr,  
 3 to S.M.H.O. Bellary, and 5 to  
 S.M. and S.O. Kurnool. The remaining  
 ten are with the Surgeon General.

3. Mr. King now writes that  
 Surgeon Major Baumeister tells  
 him that Mr. Haffhine performs  
 his inoculation with a much  
 neater instrument than the  
 form procured from Arnold and  
 Sons. The latter <sup>instruments</sup> are reported to  
 be very clumsy and to have  
 large needles that require much  
 force to procure penetration of  
 the skin. With regard to the former,  
 Surgeon Major Baumeister says - "The  
 divisions into cubic centimetres

(L 80 854P) S

At 18698

This is a diff. of instrument  
 18/6/98

is on them marked on the stem  
of the piston, not on the glass  
barrel as in the Arnold pattern.  
This is a great convenience,  
as by means of a screw nut, the  
dose can be accurately measured  
which is a great matter especially  
when dealing with children. It  
would be extremely difficult to  
give a small dose to a child  
with the Arnold syringe, as the  
figures on the barrel are so  
invisible when full that even  
for an adult it is more or less  
guesswork as you yourself saw  
recently. Dr. Baunerman  
therefore recommends that a good  
supply of the "Syringue du D. Roux"  
be obtained from Collins Shop,  
Rue de la Charriere, Paris, and Dr.  
King suggests that at least 50  
syringes of this kind should be  
provided for.

4. These papers together with  
the India Office correspondence referred  
to in para 1 of this note were  
forwarded to the Surgeon General for  
his consideration. His reply is - "The sy-

No doubt these will  
be useful, though perhaps  
not so useful as the others  
B.S.

We might get 25. I have no  
doubt that if plague breaks out  
here, it will be sticking off elsewhere  
for a considerable time. Better  
write to the S. of S.  
H.S.

20/6/98

I think Dr. Baunerman and the Surgeon General in asking  
+ Suggestion may be  
adopted. We ought to  
have the best syringes.  
H.P. 18698  
18/6/98

Supplied by Messrs Arnold and Sons  
... do not appear to be so  
efficient as those recommended  
by the Sanitary Comm. I therefore  
suggest the advisability of procuring  
the supply recommended by Surgeon  
Lieut Col King. He does not  
say what use can be made of the  
syringes already obtained, but  
asks for orders regarding the disposal  
of the ten syringes which still  
remain with him. It is for him to  
suggest what can be done with them.  
5. As regards the syringes now  
recommended by Dr. King & Dr. Baunerman  
they seem to be the same as those  
mentioned by Messrs Arnold & Sons  
as having been superseded by their  
improvement; but if so, it seems  
difficult to reconcile the statements  
of Dr. King and Dr. Baunerman with  
the opinion of Mr. Macnamara  
quoted by the India Office. If they  
are not identical, then the initial  
mistake seems to lie with Dr. Bauner-  
man and the Surgeon General in asking  
for "provez serum syringes" instead  
of "Syringue du D. Roux" (supposing  
this is a different kind of instrument).

695-38 7-6-98  
Local & Munl. (1898) Department.

CURRENT No. 854 P

From The Sanitary Commissioner for  
Madras

Order Ent. No 464 Pdt of June 1898.

Forwarded to the Surgeon General  
in favour of remission. Copies  
of the following papers are forwarded  
by it for information.

Letter from the Director of Stores,  
Madras office, dt 20-5-97 No S. 5202.  
Letter from Messrs Arnold & Sons dt  
20-4-97.

*S. Baker*  
Secretary to Government  
L & M Dept

No. 1240  
5

Dated 3-6-1898

Received 6-6-1898

Registered 6-6-1898

Enclosures

Spare copies.

SUBJECT.

Stating that Messrs. Haffhine per-  
forms his incensation with a much  
neater instrument than the form  
procured from Arnold and Sons  
for this Presidency and that  
50 of the former kind should be  
indented for

To The Surgeon General.  
(with two papers)

# BACK PAPERS.

| G.O. | No.  | Department. | Date.   |
|------|------|-------------|---------|
|      | 1891 | L. mis      | 1-10-97 |
|      | 1406 | M. mis      | 15-6-97 |
|      | 1323 | M. mis      | 2-6-97  |
|      | 1013 | M. mis      | 29-4-97 |
|      | 887  | M.          | 13-4-97 |

# FURTHER PAPERS.

| G.O. | No. | Department. | Date. |
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No.

1240  
S

NOTE by the Sanitary Commissioner for Madras, dated 3<sup>rd</sup> June 1898.

Reference.—

Plague inoculation.

Surgeon Major Bannerman informs me that Mons. Haffkine performs his inoculation with a much neater instrument than the form procured from Arnold and Sons for this Presidency. These are very clumsy and have huge needles that require much force to procure penetration of the skin. I think there should be at least 50 indented for. I append his note to me:—

"The divisions into cubic centimeters is on them marked on the stem of the piston, not on the glass barrel as in the Arnold pattern. This is a great convenience as by means of a screw nut the dose can be accurately measured which is a great matter especially when dealing with children. It would be extremely difficult to give a small dose to a child with the Arnold syringe, as the figures on the barrel are so invisible when full that even for an adult it is more or less guess work as you yourself saw recently. I would therefore strongly recommend you to get Government to order out a

a good supply of the "Syringes  
du S. Roux" to be obtained at  
Collin's shop, Maison Charriere,  
Paris. When ordering, Collin -  
should be asked to send out spare  
glass barrels, plungers, washers  
and needles.

Needles get blunt after a  
couple of hundred cases have  
been done and have to be sent  
to an instrument maker for  
sharpening, and they also fre-  
quently break. The plungers -  
also wear out in this climate  
and barrels get accidentally  
broken. The syringes are packed  
in neat plated boxes, so that  
cases and all can be put in a  
pot and boiled for disinfection  
purposes."

W. H. King  
S. C.

To  
The Secretary to  
Genl. L & M Dept.

Local & Munl. (1898) Department.

CURRENT No. 909P

From

Surgeon Major General  
C. S. Sibthorp C.B., F.R.C.P.S.  
Surgeon-General  
with the Govt. of Madras.

Order

Dated

Received 17-6-1898

Registered 17-6-1898.

Enclosures C. No 854 P. 10th.

Spare copies

SUBJECT,

Stating that the syringes  
for inoculation recommended  
by the Sanitary Commissioners  
are in his opinion better than  
those supplied by Messrs  
Arnold & Sons and requesting  
orders as to the disposal of  
the syringes that are at hand  
in his office

# BACK PAPERS.

| G.O. | No. | Department. | Date. |
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# FURTHER PAPERS.

| G.O. | No. | Department. | Date. |
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India Office,  
Whitehall,  
London, S.W.

No. S.5202.

20" May 1897.

Sir,

With reference to the enclosed copies of telegrams I have the honour to inform you that 20 serum syringes were shipped to Madras by the S.S "India" on 14" May 1897.

I enclose for your information a copy of a letter from Messrs Arnold & Sons, dated 20" April 1897, regarding the description of Syringes supplied to meet this demand. I may observe that this pattern has been specially approved by Mr. N.C. Macnamara F.R.C.S., D. Examiner of Surgical Instruments, who considers it an improvement on the Syringe of French make, asked for in the telegram of 12 April 1897. The Syringes supplied by Messrs. Arnold & Sons are furnished with asbestos, which are considered preferable to leather pistons.

I have the honour to be,

Sir,

Your most obedient servant.

(S) E. Grant Burls (?)

Director General of Stores.

The Secretary to Govt. of Madras.  
L & M dept.

31 West Smithfield.  
London 20" April 1897

To

The Director General of Stores,  
India Office, Whitehall, S.W.

Sir,

With reference to your enquiry respecting Pravaz's Serum Syringes, 10 C C, with leather pistons and graduated stems. We wrote to Mons. Collin of Paris, and he states that he only keeps Roux's Serum Syringes in stock, these are fitted with india rubber pistons and not leather as asked for. We are now manufacturing a Syringe which is considered the most serviceable for the purpose required. We have recently supplied one thousand eight hundred and fifty to the Agent General for the Cape of Good Hope and a large quantity to the Agent General for Natal and other Colonies. These syringes possess many advantages over the French made Syringes, as they can be easily and effectually sterilized. The pistons are made of asbestos and can be either boiled or burnt without injury. We could easily put leather pistons instead of asbestos, if required, and could supply the former from stock at once.

(sd) Arnold & Sons.

[17]

No.

From

SURGEON-MAJOR-GENERAL C. SIBTHORPE, C.B., F.R.C.P.I.

SURGEON-GENERAL WITH THE

 $T_0$ 

GOVERNMENT OF MADRAS.

THE HON'BLE THE CHIEF SECRETARY TO GOVERNMENT.

Local & Municipal DEPARTMENT.

SIR

With reference to your Endorsement N<sup>o</sup> 41P, dated the 7<sup>th</sup> June 1898 herewith returned, I have the honor to report for the information of Government that the syringes supplied by Messrs. Arnold & Sons in accordance with G.O. N<sup>o</sup> 189/L. Miss., dated the 1<sup>st</sup> October 1897 do not appear to be so efficient as those recommended by the Sanitary Commission. I therefore suggest the advisability of procuring the supply recommended by Surgeon-Lieutenant Colonel King.

|                                             |           |                                                                                                            |
|---------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------|
| Sanitary Commissions, _____                 | 2         | Of the 20 syringes received, ten were issued to the officers noted in the margin and orders are requested. |
| District Medical Sanitary Officer Bellary 3 | 2         |                                                                                                            |
| " " " "                                     |           |                                                                                                            |
| " " " "                                     |           |                                                                                                            |
| " " " "                                     |           |                                                                                                            |
| Total _____                                 | <u>10</u> |                                                                                                            |

regardio

WITH THE  
*Columbian*  
M.

17<sup>th</sup> June



SURGEON-MAJOR-GENERAL C. SIBTHORPE, C.B., F.R.C.P.I.,

SURGEON-GENERAL WITH THE

To

GOVERNMENT OF MADRAS.

THE HON'BLE THE CHIEF SECRETARY TO GOVERNMENT,

Local & Municipal DEPARTMENT.

SIR

With reference to your Endorsement N<sup>o</sup> 41P, dated the 7<sup>th</sup> June 1898 herewith returned, I have the honor to report for the information of Government that the syringes supplied by Messrs: Arnold & Sons in accordance with G.O. N<sup>o</sup> 189/L. Dis., dated the 1<sup>st</sup> October 1897 do not appear to be so efficient as those recommended by the Sanitary Commission. I therefore suggest the advisability of procuring the supply recommended by Surgeon-Lieutenant Colonel King.

2.

|                                      |    |
|--------------------------------------|----|
| Military Commissioners               | 2  |
| District Medical & Sanitary Officers | 3  |
| " " " " " " " "                      | 5  |
| Total                                | 10 |

inges received, ten  
were issued  
to the officers  
noted in the  
margin and  
orders are requested

regardais

ending the disposal of the remaining ten.

I have the honor to be,  
Sir,

Your most obedient servant,

C. S. Brooke

Surgeon-Insp. Genl.  
Surgeon-General  
with the Govt. of Madras.

Recd

When given for copying \_\_\_\_\_  
When copied \_\_\_\_\_  
When examined \_\_\_\_\_  
When signed \_\_\_\_\_

189

READ AGAIN G.O., No. \_\_\_\_\_, DATED  
189

CURRENT No.

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT .. .. A A A A A A A

LETTER .. ..

STATEMENT WITH DFTG.

IF NOT FILLED UP, BEING MEANT FOR DESPATCH  
IN ORIGINAL.

N.B.—

A = Copy in full.  
B = Not to be copied.  
P = Copy abstract only.  
..... only.