at the hearing of the month fundament of such outrages is 905 Report or outbook of Plague to the security of the white restless Minutes.

Commissioned sy office,

Mombasa,

24th October

telegram No. 179 18th reporting that quarantine had been removed from Tairobi and Kisumu, I have the honour to transmit herewith a report with enclosures by the Principal Telical ficer on the outbreaks of plague in table) nlaces.

lave the hondur

Work most bedtent

for tre Colonies,

Downing Street,

LONDON.

Commissione Os Office,

Mombasa,

587

0.4.

24th 1905.

APPLICAL PROTUCTION

Sir.

isth reporting that quarentine had been removed from the partial and Kisumu. I have the honour to transmit herewith a report with enclosures by the Principal Velical Officer on the putbreaks of plague in those places.

I lave the nondur to be

dian.

Wour most eveltent

husble servant

ctine commissioner

Tineigal Secretary of State

for the Colonies,

Downing Street,

LONDON.

No.69/1

RE 20 NC 5

17th October 1905.

588

Sir,

I have the honour to forward a report on the recent outbreaks of Bubonic Flates at seirobi and Klauma enclosed with mich

Report by the Medical Officer of Health

heport by the Medical Officer, Kisuma.
Appendix No. 2.

I have the honour to be,

Sir, Your most obedient servant,

Principal Medical Officer.

His Majesty's Acting Commissioner,

OMBASA.

On the 28th August, the dead body of an adult male, Wkikuyn, was found in the compound of one the Hovernment Clerk's quarters near Government Square, Nairubi, and was taken to the Native Civil Hospital.

With some difficulty the following history was obtained - By name, Mcharia, a native of Marangal a Kiknyu village half way between Nairobi and Fort Hall, he had be employed for the previous three months at Indian Res Ho. 37 by an Indian trader, and slept on the min floor the passage between the trader's shop and living apartment Some five or six days before death he had been taken 111 with headache and pains in his back, and getting worse bad been discharged by the Indian on the 25th. It appears that when discharged he was too ill to walk to his native villege, and betook himself to the long grass near the clerk's quarters as above stated, where he died on the morning of the 28th. A postmertem examination was carried out by Dr J.A. Haran who noted the presence of a large swelling in the right axilla and at once sent for Dr Ress the Bacteriologist. I was also present at the postmortene On Ancising this swelling hoemorrhagic inflammation of glands was found, with extensive periglandular infiltration and cedema, extending forward under the right clavicle also stme blood extravasation. The other postmertem appearances were unimportant; they were slight emphysems of right little old pleasitic adherion befor alight competion of both liver and spleen, caderides in small intesting, some of stomach, and convertion of pis mater.

Smears were taken from sections of the affected of and from the spleen, and on examination showed a faired large number of encapsulated bacilli with bipolar station. Some involution forms were present, but most had undergo no degenerative change, and could be readily identified. Bacilli Pestis

The next mase was that of a Mramba named we Dundar of who was employed as sweeper by the Conservancy Department and resided with other sweepers in one of the Railway landis. He was taken ill at 10 a.m. on the 4th September and died at 8 p.m. on the same day.

In this case there were no buboes, but smears taken from the lungs shawed on examination the characteristic facilities. Plaque, This case was of the soute provinced type cases of which were common in the epidemic at finance in beginning of the year, and in whom the course of the disease was so rapid, that the patient died of acute intoxication before the lung had time to break down and give rise to expectoration.

The land; in which this man lived is about helf a mile from the Bazaar, and the infection was most prefetly from the dust in the Bazaar, inhaled while in the performance of his duty as a sweeper.

prostitute - was taken ill on September 6th, in Montale willage, and died on the same day, Montale village is one of three native willages situated about a mile from the Basser and is inhabited chiefly by Smahilis + hence its name. It is about the same distance from the land, in which case No.2 died.

The evidence restrying the illness of this strangers was very conflicting the friends in the village at the the short had been the force long time, on the other had the make to whom she appeared to be well known, affirmed that the was walking in the Bazaar on the day prior to her death.

The postmortem examination should the body to be also of a well nourished Masai woman. There were no plantage enlargements, but smears taken from the lungs should plague Bacilli in great numbers. The infection in this case was doubtless contracted, in the Bassar.

years, died after a few hours illness in No.39 Bazaar This

se No. 4

is next door to and apart of the same building in which case No.1. had been residing. The history of the case was very vague, the owner of No.37, who had been severely 591 fined for not reporting the illness of case No.1, reported this case and strongly affirmed that the child died after being ill for three hours. The father of the child when interrogated stated, that the latter had fallen into a sesspool at the back of the house and been drowned. The case was seen immediately by Dre Haran, Radford, Ross, and myself, and second find he sign of drowning. Smears were taken from the lungs, by Dre Haran and Ross, and showed the Bacilli Pestis.

On the discovery of the first case, the premises in which the victim had been living were closed and thoroughly disinfected. The contacts were removed to a Segregation sump situated t of a mile from he Bazagr. A house to house inspection was carried out, and in connection with this it should be mentioned, that a thorough house to house inspection had been made on the day prior to the discovery of this case by the Medical Officer of Health and the Town Clerk.

The small-pox isolation Scapital, a wood and bron building, situated in the open plain a mile from the Sown was put in readiness for the reception of actual plague cases should more occur. It was not considered necessary to adopt any base; measures of quarantine which, considering the extent of ground covered by the town of Nairoli, could only have been very imperfect, and would have resulted in dislocating trade in general, but its particular, the labour market and food supplies.

Case No. 2 as already stated occurred in a landi situated of a mile from the Basaar. This landi is with some on others, the property of the Uganda Railway, and is rented by the Municipality for the accommodation of the conservancy gang. All these landis are long low corrugated iron structures with mud floors, and are practically devoid of light and ventilation. The one in which the case occurred was unroofed and thouroughly disinfected, the inhabitants being removed to the Segregation Camp for contacts.

The hut in Mombasa village in which case No.3 cocurred was the usual native building of wattle and daub with thatch roof, As its destruction by fire would have endangered the whole village, it was pulled down, and the whole together with the floor space auturabed with sublimate solution.

As three cases had new occurred and there was a possibility of the disease establishing itself in epidemic form. It was considered advisable to close the native market and establish markets for native produce outside the township area. This was done, one being placed on the Kikuyu head and another on the Ngong Road, with the result that instead of hundreds of natives from neighbouring villages who formerly loitered in the Bazaar throughout the day, very few visited the town, and the arrangement did not stop the food supplies or inconvenience any one.

At the same time the section of the Railway between the Bachakes Road and Kijabi was closed to native and come passenger traffic, and a camp for medical objection of those visiting to leave fairobi established. Therefore medical examination of all passengers leaving airobi by train and been carried out at Hailway Station and this was continued till all apprehension of an epidemic was removed.

when we date of the first case, nouse to house insection had been instituted in the Bazaar, and limewashing and disinfection of all nouses in the Razaar undertaken, the whole of the Punicipal area was divided into 12 wards each under a responsible official, who made a house to not se visitation every morning, furnishing a daily report to the Medical Officer of Health.

measures were in force till the 18th September after the occurrence of the last case - when all tions were removed.

Source of Infection.

This outbreak presents several unusual features inoscible to explain, and it may at once be said that the source of infection in the first case is unknown.

Several theories may be addiced, for example (1) Plague swisted in Nairobi in 1902, this may now be an endamic area the Bacillus having taken up its abode in the scil. Against this hypothesis is the fact that the Indian Bassar in which it occurred in 1902 was burnt down, the present Bazear having been built since on a new site, and the researches of Pitchford in Natal show that the Bacillus cannot exist langer than five weeks in the soil (2) It has been suggested that the infection may have been brought in cotion sim is from Eansther, and trader in those house the first case occurred dealt chiefly in sangus and lessos, articles of apparel affected by the Natives, which appeared to have been made in Germany and imported by a German Firm at Zanzibar. The small traders in Nairobi promire their goods from Agents in Mombasa where handling of the goods in transit would presumably have given rise to cames, but happily og far no case has occurred in Mombasa. (3) There is every reason to believe that Bubenia Plante has existed inspidente form in the past in ration parts of Best Africa in addition to the epidemic in Matreil in 1902, an epidemic broke out among the retires at Madiatos seven years ago, and another about the sens time in the Telta distribt.

During the past year reports have been furnished to me, mostly by District Inspectors of Police, regarding great mortality among rats in several villages of the Watikuyu, situated between Kiambo and Degoretti, some nine miles from Nairebi. In all cases investigations were made, some f the villages were visited by Medical Officers, the and examined, but in every instance there was no evidence of plague among the people or the rate. As noted in the of the Medical Officer of Health, it was stated that prior to the occurrence of the first case, rate were plentiful in a Bazaar, Government Offices, ac, and coterminous withing this case there was an exodus of rate from the houses the plain. I have not been able to obtain any proof of this statement. As a matter of fact rate have been comparatively scarce in Nairobi for the past three mentas, this being the driest season of the year when they do not invade the Youses, but live in the open. Pat-traps were distributed a reward of one pice a head offered, but the number caught was very few. In every case examination by the Bacteriologist proved negative.

Outbreak at Kisumu.

There is little to add to the report of the Medical Officer, Kisumu, further than that an epidemic occurred there in January last, when no cases occurred in the police lines, but these lines are quite near the site on which the January epidemic first appeared.

There were three cases in all, two of which were in Police irres, the other being in a hut standing by itself salf a mile away. This man, Babulla Hassan (case No.2 in Medical Officer's report) was very source in assisting at the burial rites of case No.1, and assisted to carry the body to the grave. It is however doubtful if he contracted the disease from Case No.1, the interval between the death of No.1, and his illness being 13 days.

All contacts were isolated and the police lines placed in quarantine no one beams allowed increas or extent on policemen for duty.

Although the diagnosis in these three cases was not confirmed by microscopic examination, there appears to be little doubt, judging from the history of the cases, that they were Bubonic Plague of the septimento type.

The source

The source of infastion is quite tanknown.

It may be mentioned that new lines for the Nubian Police were at once put in hand, and are now nearing completion.

No.

Principal Medical Officer

NAIROBI MUNICIPALITY. NAIROBI, 596

September 25. 1905.

Four cases only under observation, and it is worthy of note that none were seen during life, each case was certified as Plague after Bacteriological examination, which was conducted by Dr Ross the Government Bacteriologist.

	Name	Age	Sex	Race	Date of	death.	Residense.
haria		16	М	Mkikuyu	28-8-05	28-8-05	No.37 Dellan Bassak
EBI: Da W	Dunda	179	M.	Mkamba	4-9-05	4-9-05	Cooli Lindia
ndrato Egi	pini	20 ?	F	Massi	5-9-05	5-9-05	Montheas village.
nesain		21	М	Indian	7-9-05	7-9-05	No.89 Indian Bases

- 1. Mcharia was discharged by his employer on account of ill ness and died on the pane day in a clerk's compound. The
 - defined Bube existed in the R Axilla from which smears taken as well as the splean, and Plague Bailla found. It is took place on the sixth day of illness.
 - 2. Wakamba, African died after a few hours illness, this was certified as Pneumonia Plague.
 - 3. Nandrate, Masai died after 44 hours illness, this of the was certified as Proumonis Plants.
 - 4. Masair. Indian, the period of illness was not ascertain with any derivee of certainty. Bubonic Plague was cartiful as the cause of death after Bacteriological examination sceams from the lungs, splaen, and other organs.

NOTE. Cases 1 Bubo present.

2, 3, and 4 Bubo not present.

September 25. 1905. Four seases only under creervation, and at its worthy of note to made were seen during little med ocae was carrifted us Planding bei Bap her Medaller exact traction, with many menuated by the House that Emarrices Fig. 6. 1. 1 per part in . M lo establi approfile ALD SHY PRING bookerd va.or RECEIVED THE - OF ELECTION. Posses. t collett, and Plan me with similarity makes a six a country of a country of the The same and the state of the same of the # 7 PARTITE SHEETED THE SHEETED SHEETE , WHITE WE The state of the s The state of the s The ame or of carage will asset to go was my deep pagare from the large, agreed and and errones.

found.

examinat

examinat

westigation on this po
undoubtedly in certain district

Baskar, Wilitary Lines, and Geren

great diminution in the number of rate about

the date of the first case.

Locality.

Cases I and 4 occurred in the Indian Research houses separated by one sheet of galvanized in a plinth of masonry in common, composed of drawn load d with red surth. The back yards have and load a with red surth. The back yards have and load a with red surth. The back yards have and load a with red back yards are seen and by galvanized iron only, which is a round, and that both within the he sees and yards from the commission exists with regard to rat run.

Clase We. 2 occurred in the Coolie Landi some file from the Indian Basasr. Though nine other Nation is the glace, they did not contract the disease.

Case No. 3 occurred in a mad not in Mombal approached a lost a file from the Bazaar acress. river. The woman was a prostitute and will a daily. his statement was made by the decrease brother and father.

Jameral means adapted to prevent the spread of

- . All contacts were removed to a quantity
- destroyed by burning.
- 3. The floors and walls of all lines are subbed and walled with said lines 1 1.000.
- All cotton, and other materials Man
- 5. All bedding of suspected persons a treated as in the case of No.

The first of the f

House to house inspection

every part of the foun for 1.

pose responsible officers are
peet the 12 words in the foun .

Teral proceedings for concealment of cases
instituted in ten implances and convictions ob-

All traffic to the Coast, as far as Abload Astatics whip concerned, was prohibited on the Louisia Railway; I would point out that this method of attempting to confine the persons residing within an injected area, to that area, is its futile, as since the outbreak I have found not at a latives and Africans have proceeded by read and real outside the "infected area" and went closes to Combasa, thus thwarting all a richins, and coming under the head of the first, and proceeding all quarantine residence is it was a intention of these regulations to make it in the intention of these regulations to make it in the intention of these regulations to make it in the intention of these regulations to make it intention of these regulations.

I vish to these it on record that the a therities community in carrying out all record one, in respect of quarantine They to the control and quarantine can be entire expense at their own request, and for the lain all caste restrictions were to a section.

(Signed) William J. Radford.

Medical Officer of Health

ne Principal Medical Officer,

Sir.

I beg to report to you the following cases with reference to the Sub-Commissioner's telegram yesterday:
Adama, police bugler, Nubian, admitted August 16th to sapital at 10.30 a.m. died the same day at 1 p.m.
This lad was apparently very ill when I saw him, pulse 140, temperature 104, no physical signs were obtainable except to had a small femoral nube on the left side. Tongue was very furred brownish. He was quite well 24 hours previously a stanted this may might have change and had him placed inself in the operation theatre. He rapidly became delirious and died at 1 p.m. All his personal belongings destroyed and any saw him buried muself.

At 8 a.m., on the 29th August it was reported to me that

Babulla Hassan, Nubian, late Sergeant-Major of Police, had

d at is to see all a mile away from the Nubian lines.

examined - ody and found there was a femoral bube on

the man had been quite well the previous

at the 28th i stant, but in the afternoon had complaint

en a seeling i the scoin. We died at about 6 a.m., in

the morting.

I re-orded cases (1, a d (2) to H.M.Sub-Commissioner and ordered his permission to hurn the louse of Babulla Hassan. This was done and all is personal pelondings burnt as well. His two ways and two children I removed close to the related observed them daily for eight days - they be remained well us to date.

Same, Nubian woman. On the 7th instant at 6 a.m. I heard sounds of mourning and sert an askari to enquire where a death ad occurred amongst the Nubians. I found a Mubian woman had died at 4 a.m. on that morning. Examination of the body shewed left a large left femoral bubo. The illness had

. Resalment of these were e englishiven bes A die lecomeo end mi ea b

, Tit

I beer to report to you the voltoring ones I

reference to the kun-downselement and telephon puterner; in Adams, police burgler, whiters included the second local local forthists as 10,30 a. T. Sied the second day a 10,30 a. T. Sied the all out and was actested ly the first the later of the pulle sacette and as small formulation of the left stock doubts was as and as small formulation of the left stock doubts was to the later and a previously was the very later of breamish. The way guite well 20 points may reviewally

is alf in a condition of the production of the placed in alfabeth and the placed in alfabeth and the depth in the production of the state of the sta

remained the 28th rate, it is as the most and complete

ed of the scalled in the second of the bear of the bear to be

I re-exted ocean 1) a A (3) to ... I - Committee and ocean to the committee and control to the committee and control to the committee and control to the con

woman had didd as a m. on that girrhat Equination of the Library body

been of about 24 hours duration. A guard was placed reund the house and no one allowed in. As soon as the body had been removed for burial, the house was burnt as it stood 60 nothing being removed. The house in which this woman first took ill was also burnt as well as her fown house - three in all.

I have no doubt these three persons dist of plague.

The Police lines have been and shall continue to make a warr horring and evening an evening an evening the samination of all those willing the lines.

Rate a e plentiful is " a rase that of of the roofs of the laste, " of a lead sets have been found, and no rate escaped from the launity bats.

If free cases occur too ld recompand that twenty - five tente to sent and - a pertion of the inhabitants could be placed in these - the reminder to se into temporary landis, and wat the whole of the Police lines should be destroyed. In any case the scoper the police lines are described, the better, and new lines put up an another site, which has Aready been chosen.

I did not report the first two cases to you TI heped at further cases would occurrend also that I might be mistaken in my diamagnis.

I have the coour so be

Your humble obedient servers

F. Henderson

Plember '05.

M. O. P.N.C.