

Administration Report
of the
Army Remount Department in India

For the year

1907-08.

F.38

14437

[Confidential.]



F-38

Army Remount Department.

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ADMINISTRATION REPORT

OF THE

ARMY REMOUNT DEPARTMENT IN INDIA

FOR THE YEAR

1907-08.



SIMLA :
GOVERNMENT CENTRAL BRANCH PRESS.
1908.

Army Department Report

ADMINISTRATION REPORT

OF THE

ARMY DEPARTMENT IN INDIA

FOR THE YEAR

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Confidential.



No. ⁴⁶⁶⁶_{A.}—R.

Office of the Director-General, Army Remount Department.

Simla, the 27th December 1908.

FROM

COLONEL R. C. BROOME,
DIRECTOR-GENERAL, ARMY REMOUNT
DEPARTMENT,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
DEPARTMENT OF MILITARY SUPPLY,
CALCUTTA.

SIR,

I have the honour to submit, for the information of the Government of India, the Administration Report of the Army Remount Department for the official year 1907-08.

I have the honour to be,

SIR,

Your most obedient Servant,

R. C. BROOME, *Colonel,*

Director-General, Army Remount Department.

NO. 100

Department of the Army, Adjutant General's Office

Washington, D. C.

1918

General G. B. ...

Director General Staff, Adjutant General's Office

Department of the Army

Reference is made to the report of the Adjutant General's Office

Department of the Army, Adjutant General's Office

Washington, D. C.

I have the honor to advise you for the information of the Government of the Adjutant General's Office that the Adjutant General's Office has received the report of the Adjutant General's Office for the month of ...

Official File No. 100-100

I have the honor to ...

Sincerely,
Yours most obediently,
G. B. ...

General G. B. ...

Adjutant General's Office

Department of the Army, Adjutant General's Office

PART I.

REMOUNTS.

Officers of the Department.—The work of the Remount Depots was in charge of the following officers:—

Superintendents of Remount Depots.

Ahmednagar Depot	...	{ Major Hunt, A. V. C., was in officiating charge in addition to his duties as Veterinary Officer.
		}
		{ Major Templer from 1st April to 17th October 1907.
Hosur Depot	...	{ Major Brandreth from 10th November 1907 to 5th January 1908.
		{ Captain Badecock from 25th January to 31st March 1908.
		}
		{ Major Patterson from 1st to 23rd April 1907.
Saharanpur Depot	...	{ Lieutenant Williams from 24th April to 13th May 1907.
		{ Lieutenant Scott from 14th May to 24th November 1907.
		{ Major Peacocke from 25th November 1907 to 31st March 1908.
		}
Hapur Depot	...	{ Major Humfrey from 1st April 1907 to 31st March 1908.
		}
		{ Captain Badecock from 1st April to 6th June 1907.
		{ Lieutenant Anderson from 7th June to 26th September 1907.
Mona Depot	...	{ Lieutenant Hagger from 27th September to 30th November 1907.
		{ Captain Badecock from 1st December 1907 to 17th January 1908.
		{ Captain Loch from 18th January to 31st March 1908.
		}
Sargodha Depot	...	{ Lieutenant Beatty from 1st April 1907 to 31st March 1908.

In the absence of the Superintendents the Veterinary Officers were in charge.

The following officers were also employed as Assistants to the Superintendents:—

		{ Lieutenant Williams from 1st to 23rd April 1907.
Saharanpur Depot	...	{ Lieutenant Scott from 9th to 13th May 1907.
		{ Lieutenant Hagger from 7th to 31st March 1908.
		}
		{ Lieutenant Scott from 1st April to 8th May 1907.
Hapur Depot	...	{ Lieutenant Knaggs from 6th July 1907 to 31st March 1908.
		}
		{ Lieutenant Anderson from 1st April to 6th June 1907.
Mona Depot	...	{ Lieutenant Hagger from 1st April to 26th September 1907, and from 1st December 1907 to 6th March 1908.

Veterinary Officers.

Ahmednagar Depot	...	{ Major Hunt, A. V. C., from 1st April 1907 to 31st March 1908.
		}
Hosur Depot	...	{ Captain Nicol, A. V. C., from 1st April 1907 to 31st March 1908.
		}
		{ Lieutenant Russell, A. V. C., from 1st April 1907 to 31st March 1908.
Saharanpur Depot	...	{ Lieutenant Allen, A. V. C., from 14th October to 21st November 1907.

Hapur Depot	...	{ Lieutenant Roberts, A. V. C., from 1st April 1907 to 31st March 1908.
Mona Depot	...	{ Lieutenant Webb, A. V. C., from 1st April 1907 to 31st March 1908.
Sargodha Depot	...	{ Captain Gillett, A. V. C., from 1st April 1907 to 20th March 1908. Lieutenant Lawrie, A. V. C., from 21st to 31st March 1908.

The Department suffered a very heavy loss during the year in the deaths of Majors Brandreth and Patterson, Superintendents of the Hosur and Saharanpur Depots respectively; the former from a riding accident and the latter from plague. Both these officers were of ripe experience, and their places will be exceedingly difficult to fill.

2. *Cost of maintaining the artillery reserve.*—The cost of maintaining the war reserve of 1,000 artillery horses during 1907-08 is compared below with the figures of the preceding year:—

Years.			Feed and keep.	Movement.	Departmental charges.	Total cost per annum.	Total cost per 1,000 remounts.
			Rs.	Rs.	Rs.	Rs.	Rs.
1907-08	...	...	214	8	61	288	2,88,000
1906-07	...	...	213	29	82	324	3,24,000

The decrease in cost is satisfactory, and is due to curtailment of expenditure on movement and departmental charges.

3. *Cavalry reserve.*—It will soon be unnecessary to maintain the Australian cavalry reserve of 500 horses, because when the whole of the cavalry requirements are met from the country-bred supply there will remain no outlet for the Australian reserve which would consequently have to live and die in the depots. The Australian horses will, in the near future, be gradually replaced by country-bred horses reared at the Mona and Sargodha depots. These will enter the reserve at four years of age and will issue in the following year at five years of age, being replaced in their turn by four year olds, and so on.

4. *Standards of height of troop horses.*—The statement given below shows the average heights of the several classes of Australian remounts purchased during the year under review:—

						1907-08.	
						H.	I.
Royal Horse Artillery	...	...	...	...	...	15	2
Royal Field "	...	...	...	...	...	15	1
Heavy and Howitzer Artillery	...	...	...	...	...	15	2
British Cavalry	...	...	...	...	...	15	1

We have now attained the limit heights for the various branches of the Service aimed at in Government of India, late Military Department, letter No. 3384-D., dated 3rd June 1901, without any deterioration in quality, but these height restrictions undoubtedly limit the importer's field of selection, rendering it considerably more difficult for them to obtain the necessary number.

5. *Purchase of full grown transport mules and ponies for the army.*—

In India. In Department of Military Supply letter No. 5162-G., dated 26th August 1907, Government decided that all Government purchase of mules and ponies whether in or out of India, and excepting the case of ponies required for the mounted infantry in Burma, should in future be made by the Army Remount Department. To assist this department in carrying out these duties during the year under report, the services of the three officers named in the margin were placed at its disposal for a period of six months from 1st October 1907. The number

Major E. H. Cole, 26th Prince of Wales' Own Light Cavalry.
Captain R. M. Hall, 13th Duke of Connaught's Lancers.
Captain W. S. Craster, 8th Cavalry.

of animals purchased in India were—

				Mules.	Ponies.
By Major Cole	...	...	...	223	29
„ „ Hall	...	...	...	275	39
„ Captain Craster	...	...	...	181	16
			Total	679	84

The average purchase price was Rs. 202 for mules and Rs. 234 for ponies. The 679 mules purchased include 169 for Imperial Service Troops.

In addition to the above 156 mules were purchased in Persia. Details of these purchases will be found in para. 7.

6. *Purchase of full grown ordnance mules.*—In Department of Military Supply letter No. 843-G., dated 6th February 1907, Government sanctioned the importation of 322 ordnance mules required by this department for the ordinary replacements of the service. In addition to this 1,385 ordnance mules had to be purchased in accordance with Department of Military Supply No. 6405-G., dated 23rd October 1907, for the reorganisation of mountain artillery and the formation of two additional native mountain batteries. It was originally contemplated to make all these purchases in North America, but subsequently it was found advisable to import 100 from Persia, 100 from Anatolia, and the balance of 1,507 from North America. The arrangements regarding Anatolia fell through owing to the failure on the part of the contractor and the numbers actually purchased were—

North America	...	...	...	1,507
Persia	...	...	...	85

Owing to casualties, reclassification, etc., the numbers actually landed in India were—

From North America	...	...	...	1,495
„ Persia	...	...	...	73

The Hissar cattle farm supplied 38 ordnance mules, of which 10 were handed over to the Kashmir Imperial Service Artillery and 28 were retained by this department.

Details of the purchases of ordnance mules in North America and Persia will be found in another portion of this report.

7. *Mules purchased abroad.*—In Department of Military Supply letter No. 2989-G., dated 17th May 1907, Government sanctioned the deputation of Lieutenant Williams of this department to Persia to purchase 100 ordnance and 400 transport mules, and to enquire into the resources of that country in horses and mules.

In all 85 ordnance and 156 transport mules were purchased. Owing to casualties, reclassification, etc., 73 ordnance and 163 transport mules were landed at Karachi.

The average price per mule landed in India was ordnance Rs. 418-10 and transport Rs. 321-2-2.

A full report of Lieutenant Williams's operations in Persia was forwarded to Government with this department No. 798-R., dated 9th March 1908.

In Department of Military Supply letter No. 843-G., dated 6th February 1907, Government sanctioned the deputation of an officer to North America to purchase the ordnance mules required by this department for the ordinary replacements of the service. Advantage was taken of this deputation to purchase the additional 1,385 mules of the same class required for the reorganisation of mountain artillery and the formation of two additional native mountain batteries, *vide* Department of Military Supply letter No. 6405-G., dated 23rd October 1907. Major Gough of this department was the officer selected for this work, which he carried out most satisfactorily. In all 1,507 ordnance mules were purchased, of which 1,495, all of an excellent stamp, were safely landed at Calcutta.

The average price per mule landed in India was Rs. 698. A full report of Major Gough's operations in the United States was forwarded to Government with this department No. 2221-R., dated 15th June 1908.

In view of his experience in purchasing mules in North America, Major Gough, on his return to India, was asked to furnish information as to the numbers of transport mules capable of carrying a three maund load that are procurable in that country and their prevailing prices. In reply, he stated that such animals were procurable to any extent in numbers, but with regard to the price he did not think that a suitable class of mule could be obtained for any lower figure than \$100 (or Rs. 300) *plus* cost of landing in India which he estimated would amount to Rs. 220 per head.

In Department of Military Supply No. 4575-G., dated 1st August 1907, the Government of India decided to place a trial order with Mr. James Tagg, Anatolia, M.R.C.V.S. (London), for 100 ordnance and 100 transport mules from Anatolia in Asia Minor at £23 and £21 a head respectively, f. o. b., Bombay. It was proposed to employ Captain Badcock, who at the time was on leave in England, to pass the mules in Smyrna on his way out to India at the expiration of his leave. These arrangements, however, ultimately fell through, as Mr. Tagg represented that he was unable to carry out his contract owing to the Turkish authorities purchasing mules for their own use.

8. *Health*.—The health of the establishment at the Hosur depot was bad owing to the prevalence of ague, fever, bronchitis, diarrhoea and dysentery. Cholera in epidemic form was also prevalent from the end of April to the beginning of June. There was also an epidemic of plague from the beginning of July 1907 to the beginning of February 1908. Special measures were taken to combat the plague and cholera, the expenditure on which amounted to Rs. 5,920 (*vide* Department of Military Supply No. 4056-G., dated 8th July 1907; No. 780-G., dated 4th February 1908, and No. 2755-G., dated 4th May 1908.) The health of the depot animals on the other hand was good.

There was also a serious outbreak of plague at the Saharanpur depot in April and May 1907. Twenty-eight cases occurred, of which 21 proved fatal. Major Patterson, the Superintendent of the depot, succumbed to the disease on 23rd April 1907 after a sickness of nine days. The health of the horses in this depot was fair. There was an outbreak of glanders in September 1907. The first suspicious case was destroyed on 4th September 1907 and the contacts isolated. They were subsequently tested with mallein and 14 reactors were destroyed. All the horses in the depôt were inoculated with mallein, but no other cases were found. Foot and mouth disease also broke out among the bullocks in February 1908. Ninety-five bullocks were affected.

Plague also appeared in epidemic form at the Hapur depôt in March 1907, and continued till June. There were 121 seizures and 77 deaths. The health of the animals in this depot was good.

At Sargodha depôt there was a rather serious outbreak of stranglers, but otherwise the health of both animals and establishment was good.

At the remaining depôts the health of animals and establishment was good.

9. *Farm profits or losses*.—The following statement shows the profit or loss on the several farms during 1907-08 and the previous year:—

						1907-08.	1906-07.
						Rs.	Rs.
Sabaranpur	...	...	...	...	...	1,62,669	1,19,675
Hapur	...	...	...	...	...	77,218	1,31,126
Mona	...	...	...	...	...	1,39,273	95,899
Hosur	...	...	...	...	...	29,934	39,547
Ahmednagar	...	...	...	...	...	3,111	Loss 8,414
Sargodha	...	...	...	...	...	7,462	...
Total profit						4,19,667	3,77,833

All the depots show profits, noticeably Saharanpur and Mona. In spite of its handicaps of uncertain rainfall, low local rates and curtailed area the Ahmednagar depot has shown a welcome though small profit. The decrease at Hapur is mainly due to the small outturn of crops owing to inadequate rainfall. The bad distribution of rain and the difficulty of obtaining labour owing to outbreaks of plague and cholera account for the falling off of profits at Hosur.

10. *Purchase of country-bred stock between 9 and 18 months of age.*—In accordance with the instructions contained in late Military Department No. 4306-D., dated 14th August 1903, I have attached a statement at Appendix I, showing :—

- (a) the number of young horse stock purchased below 18 months of age present on 1st April ;
- (b) the casualties in this number occurring between April 1st and March 31st ;
- (c) the percentage of casualties.

In addition to this the Government of India require to be furnished with information showing—

I.—Whether the introduction of this system has resulted in securing an increased number of country-bred remounts for the service ;

II.—The general health of their young stock ; and

III.—Their average cost on issue to the service.

I.—The number of country-bred stock purchased from the time this system was established and for three years previously is as follows :—

- (a) Before the introduction of the system of purchasing stock under 18 months :—

Years.	No.
1896-97	106
1897-98	126
1898-99	129

- (b) Since the introduction of the system :—

Years.	No.
1899-1900	122
1900-01	251
1901-02	267
1902-03	253
1903-04	182
1904-05	293
1905-06	342
1906-07	528
1907-08	782*

II.—The general health of these young stock has been good.

III.—394 stock have been issued to date :—

Years.	No.
In 1902-03	5
„ 1903-04	18
„ 1904-05	19
„ 1905-06	78
„ 1906-07	92
„ 1907-08	132

The cost of maintenance of these young stock is included in the general results of country-bred stock given at paragraph 18.

* Includes 56 paid for in 1908-09.

11. *Purchase of Australian remounts.*—The statements given below show—
 (a) the number of Australian remounts obtained during the past two years; and
 (b) the average prices paid.

(a) *Number purchased.*

Detail.				Calcutta.	Madras.	Bombay.
1907-08	{	British Service	...	1,308	479	299
		Madras Cavalry	...	64	...	30
1906-07	{	British Service	...	1,742	763	905
		Madras Cavalry	...	76	50	...

The decrease in purchases for the British Service is due to the smaller requirements for reorganization purposes.

(b) *Average prices.*

Detail.				Calcutta.	Madras.	Bombay.
				Rs. A. P.	Rs. A. P.	Rs. A. P.
1907-08	{	British Service	...	674 8 8	675 0 0	675 0 0
		Madras Cavalry	...	400 0 0	...	400 0 0
1906-07	{	British Service	...	*674 13 3	704 15 4	711 0 0
		Madras Cavalry	...	400 0 0	400 0 0	...

The decrease in the average prices for the British Service is due to no bonus having been paid to shippers in 1907-08.

12. *Purchase of Arab and Persian remounts.*—In consequence of the exceptionally small number of remounts required by the 15th Hussars as replacements during the past year and the year under report, no Arabs or Persians were purchased.

13. *Purchase of country-breds.*—The number of young stock purchased, the average prices by ages paid, together with the general average cost, were—

Age.	Years.	MONA.		AHMEDNAGAR.		SARGODHA.	
		No.	Average cost.	No.	Average cost.	No.	Average cost.
			Rs.		Rs.		Rs.
Under one year	1907-08	90	149	...	...	152	155
	1906-07	215	157	4	124	...	...
One to two years	1907-08	348	227	6	244	143	157
	1906-07	277	226	1	210	...	...
Two to three years	1907-08	35	308	...	...	5	324
	1906-07	26	325	...	...	...	...
Three to four years	1907-08	3	335	...	...	...	...
	1906-07	2	455	...	...	...	...
Four years and over	1907-08	...	...	...	...	...	...
	1906-07	3	617	...	...	...	...
Total	1907-08	476	219	6	244	300	159
	1906-07	523	205	5	141	...	...

The marked increase in the general average cost at Ahmednagar is due to the average age of the stock purchased being 18 months against 11 months in 1906-07.

* Rs. 731-12-5 inclusive of bonus.

The average age of the stock purchased during 1907-08 was—

						Months.
Mona	...	...	...	...	...	20.8
Ahmednagar	...	...	...	...	...	18
Sargodha	...	...	...	...	...	13.2

14. *Purchase of country-bred mules.*—The following is a statement of mules purchased in the country for the depots during the year under review and the average prices paid for each class:—

Class.					No.	Average price.
					No.	Rs.
Ordnance mules	...	...	...	...	251	123
Young mules of other classes	...	...	...	...	508	73

15. *Average cost of issues.*—The average cost of the horses issued to the service during 1907-08 and the preceding year, such horses bearing all depot charges (except the charges of those for the war reserve) is given in the following statement:—

Years.	Initial cost.	DEPOT CHARGES.				Average cost per remount.
		Feed and keep.	Movement.	Departmental charges.	Total.	
1907-08	681	594	32	254	880	1,561
1906-07	683	544	117	324	985	1,668

There is a satisfactory decrease in the average cost due chiefly to smaller movement and departmental charges. This average cost represents the total expenditure in the Department on Australian horses, (excepting those of the war reserve), divided by the number of Australians issued, and therefore includes the expenditure incurred on those remaining in the depots at the end of the year. The actual maintenance charges of each Australian, (excluding the reserve) during the year were Rs. 228, and consequently the individual issue cost of each Australian remount is his initial purchase price, *viz.*, Rs. 675, plus the above maintenance charge of Rs. 228, making a total of Rs. 903.

16. *Feed and keep.*—The following statement shows the average number of horses of each class present daily in the Department, and their general monthly average cost per head in feed and keep during 1907-08 and the preceding year:—

Class.	1907-08.			1906-07.		
	No. present.	Feed.	Keep.	No. present.	Feed.	Keep.
		Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Australians	6,107	13 0 0	4 0 0	5,084	14 0 0	4 0 0
Arabs and Persians	99	14 0 0	6 0 0	89	16 0 0	6 0 0
Country-bred remounts	1	13 0 0	6 0 0	1	16 0 0	6 0 0
Full grown young stock	109	14 0 0	9 0 0	64	16 0 0	9 0 0
Young stock	1,174	14 0 0	6 0 0	778	15 0 0	6 0 0

The variations are small and call for no remark.

17. *Issues of remounts.*—The number of remounts of each class issued to the service during 1907-08 and the previous year is as given below:—

Class.						1907-08.	1906-07.
						No.	No.
Australians	...	...	...	...	...	1,945	1,713
Arabs and Persians	...	...	...	...	...	36	29
Country-breds	...	...	...	...	...	182	92
Total						2,163	1,823

The marked increase in issues of country-breds is very promising.

18. *Cost of maintaining country bred horses.*—The following statement shows the average first cost and the average cost of upkeep of young stock at the depôts during 1907-08 and the preceding year:—

Years.	MONA.					AHMEDNAGAR.					SARGODHA.				
	First cost.	Cost of feed and keep.	Cost of moving a young stock.	Net Departmental charges.	Total.	First cost.	Cost of feed and keep.	Cost of moving a young stock.	Net Departmental charges.	Total.	First cost.	Cost of feed and keep.	Cost of moving a young stock.	Net Departmental charges.	Total.
1907-08	219	241	2	31	493	244	279	17	88	628	192	295	7	1,124	1,618
1906-07	206	253	3	62	524	141	249	3	118	511	...	...	...	...	...

19. *Issues of mules.*—The following statement shows the number and the average cost of the mules issued to the service during 1907-08 compared with the results of the previous year. This average cost is arrived at by dividing the total departmental expenditure by the number issued to the service:—

Year.						No.	Average cost.
							Rs.
1907-08	...	...	...	...	...	295	1,405
1906-07	...	...	...	...	...	265	1,293

The increase in the average cost is chiefly due to the maintenance of a larger number of mules in the Mona depôt.

20. *Horse importations.*—The importations for Government during the last two years were:—

Year.						Calcutta.	Madras.	Bombay.
1907-08	...	...	...	...	...	1,795	571	563
1906-07	...	...	...	...	...	2,425	653	1,512

21. *Commissions.*—The statements given at appendices II and III show the commissions granted to shippers during the year under review compared with

the numbers presented and purchased, as also the commissions granted for horses to be bought during 1908-09.

22. *Issues to the service.*—The numbers that issued during 1907-08 to the different branches of the service were—

Royal Horse Artillery	...	...	...	...	303
Royal Field Artillery	...	...	...	...	1,019
Heavy and Howitzer Batteries	...	...	...	...	78
British Cavalry	...	...	...	...	579
Madras Cavalry	...	...	...	...	118
Chargers	...	...	...	...	24
His Excellency the Viceroy's Body-Guard			...	...	14
His Excellency the Governor's Body-Guard, Madras			...	...	9
His Excellency the Viceroy's, the Commander-in-Chief's and Governor's stables.				...	10
Issues to studs, as stallions and brood mares			...	...	7
Imperial Cadet Corps	...	...	...	...	2
			Total	...	2,163

23. *Horses broken to draught.*—A total of 1,034 Artillery horses were issued to the service broken to draught as compared with 891 similarly issued during 1906-07.

24. *Receipts and issues of country-breds.*—In accordance with the orders contained in late Military Department No. 1276-F., dated 15th May 1903, the statement given below contains information regarding—

(a) the year of receipt in the depôt of each of the country-bred remounts issued during 1907-08, and

(b) the year of receipt of those remaining on the 31st March 1908.

Year of purchase.	MONA.		AHMEDNAGAR.		SARGODHA.	
	No. issued.	Present on 31st March 1908.	No. issued.	Present on 31st March 1908.	No. issued.	Present on 31st March 1908.
1903-04	31	1	2	5	...	...
1904-05	49	90	2	24	...	...
1905-06	22	222	...	43	...	...
1906-07	8	443	...	50	...	...
1907-08	...	452	...	72	...	289
Total	110	1,208	4	194	...	289

25. *Country-bred purchases.*—At appendix IV will be found a statement giving the names of the places where the country-bred stock obtained during the year under review were purchased, and the names of the officers who purchased them.

26. *Country-bred issues.*—The two statements at appendices V and VI show the names of the officers who purchased the country-bred remounts that passed through the depôts during the year under review, and the names of the places at which these horses were purchased.

27. *Rejections and casualties.*—The actual numbers cast and sold, that died or were destroyed during the past two years were—

Years.	HORSES.			MULES.		
	No. of casualties.	Average No. present daily.	Percentage.	No. of casualties.	Average No. present daily.	Percentage.
1907-08	307	7,490	4.09	45	1,680	2.6
1906-07	325	6,016	5.4	27	1,245	2.7

PART II.

IMPERIAL HORSE, MULE AND DONKEY BREEDING.

28. The work of the circles was carried out by the following officers:—

Rawalpindi Circle	...	{	Superintendents ... Captains E. C. Loch and H. G. Allen, A. V. C. Veterinary Officers... Captains E. S. Gillett, A.V.C., and H. G. Allen, A.V.C.
Jhelum Canal Colony Circle	{	{	Superintendent ... Captain J. Bruce. Assistant Superintendents, Lieutenant D. R. Hewitt and Captain W. H. Anderson. Veterinary Officers ... Captain E. S. Gillett, A.V.C., and Lieutenant A. S. Lawrie, A.V.C.
Chenab Canal Colony Circle	{	{	Superintendent ... Lieutenant D. H. Vanrenen. Veterinary Officers Captains E. S. Gillett, A.V.C., and E. C. Webb, A.V.C.
Lahore Circle ...	...	{	Superintendents ... Captain S. A. M. Orr and Lieutenant D. R. Hewitt. Veterinary Officers ... Captain D. J. Quinlan, A.V.C., Lieutenant E. C. Russell, A.V.C., and Captain H. G. Allen, A.V.C.
Baluchistan Circle	...	{	Superintendents ... Captain C. E. M. Mayne and D. J. Quinlan, A.V.C. Veterinary Officer ... Captain D. J. Quinlan, A.V.C.
United Provinces Circle	...	{	Superintendents ... Major B. J. H. Humfrey and Lieutenant R. S. Scott. Veterinary Officer ... Captain N. D'E. Roberts, A.V.C.
Deccan Circle ...	...	{	Superintendent ... Major F. D. Hunt, A.V.C. Veterinary Officer ... Major F. D. Hunt, A.V.C.

29. Horse, mule and donkey breeding operations continue satisfactorily.

Horse Breeding.

(a) *Rawalpindi Circle.*—I am glad to be able to report a rise from 41·4 last year to 45·19 this year in the percentage of foalings to coverings: the increase though slight is very encouraging. It is obvious that the effects of the drain on the district when the Jhelum Canal Colony was started, and which I referred to in my report for the year 1905-06, are fast disappearing.

(b) *Jhelum Canal Colony Circle.*—Very satisfactory progress has been made, the percentage of foalings to mares covered being 53·57.

The condition of stock as a whole is gradually improving. There were many thin foals noticeable during last autumn: but this was greatly due to the fact that plague had seriously interfered with sowings in some parts.

The improvement in the Colony itself has been most marked. In spite of an extraordinarily severe outbreak of plague during the covering season the number of mares covered has been large, thanks to special measures adopted by the circle officers, even to sending stallions into outside districts to which the colonists had fled. In spite of the general exodus on the part of the colonists the majority of our syces remained at their posts and at the Shahpur stand 12 out of our establishment of 15 syces died.

The percentage of foalings to mares covered has been steadily increasing every year, and I hope that this increase has not yet reached its limit, though at the same time any further considerable increase is not to be expected. A percentage of 60 is considered good in the Government studs on the continent where supervision and control are concentrated. In the circles we have to contend with large areas militating against supervision such as can be exercised in a stud. The percentages for the last four years as follow are interesting :—

1904-05	...	...	...	...	...	37.83
1905-06	...	...	...	...	...	45.53
1906-07	...	...	...	...	...	47.97
1907-08	...	...	...	...	...	55.51

The number of foals born this year was 1,756 :—

The following table shows the number of remounts purchased by the Army Remount Department and Native Cavalry during the last four years :—

			Army Remount Department.		Native Cavalry.
1904-05	...	...	128	...	...
1905-06	...	...	170	...	43
1906-07	...	...	366	...	105
1907-08	...	...	579	...	148

These results reflect the greatest credit on the circle officers concerned and attention can here be drawn to the fact that the object with which the Jhelum Canal Colony grantee system was initiated, *viz.*, the remounting of the British Cavalry in India whose requirements are approximately 550 remounts per annum, shows promise of early achievement as this year's purchases in the Colony alone total 579.

(c) *Chenab Canal Colony Circle.*—Good progress continues to be made and the number of colonists taking to horse or mule breeding continues to increase.

Progress in horse-breeding would be much quicker if sufficient mares of even fair quality were procurable.

(d) *Lahore Circle.*—This Circle shows an improvement which I consider promising for the future.

(e) *Baluchistan Circle.*—As regards the breeding operations in this Circle, the year under report has been a successful one. The percentage of foalings to coverings has advanced 10 per cent., *i.e.*, 55.52 as against 45.02 the previous year.

Considering the extent of this country, its scattered, migratory population, and the great distances which many *zemindars* take their mares to be covered, 55.52 per cent. says a good deal for the keen interest of the people in horse-breeding.

(f) *United Provinces Circle.*—Horse-breeding results have again been fairly successful, except in the Muzaffarnagar District where, as I said last year, a bad forage year in 1905-06 and plague in 1906-07, and again famine during the year under report have afforded no chance of improvement up to the present, and have led to a very large number of the best mares being sold.

The three remaining districts, *viz.*, Aligarh, Meerut and Bulandshahr are satisfactory.

The percentage of foalings to coverings for the whole Circle is 37.9, which figure coincides with the figure for the previous year. The Aligarh District, however, heads the list with a percentage of 42.4.

(g) *Deccan Circle.*—On the whole the year has been a fairly good one for breeders, though prices ruled high for grain and fodder on account of general scarcity.

The percentage of foalings to coverings has fallen somewhat, being 37.75 as against 41.2 the previous year.

It is now five years since the Circle was formed and breeding operations taken over by this Department. The results from an Imperial point of view, it must be admitted, are not very encouraging, chiefly, I am of opinion, for two reasons :

Firstly, although a good many stock are produced in the Circle suitable for purchase as remounts, the owners obtain larger prices than are paid by Government in the open market.

Secondly, a very large number of mares in the Circle are pony mares which are unlikely ever to produce stock up to Government standard.

(h) *Percentage of foalings.*—The total results of foalings to coverings will be seen from Table D to amount to 47.05.

The figures for the last three years are as follows :—

1904-05	...	...	...	...	...	36.85
1905-06	...	...	...	...	...	41.41
1906-07	...	...	...	...	...	47.05

Mule Breeding.

(i) The following are the results of foalings to coverings during the last three years :—

1904-05	...	...	...	...	...	24.68
1905-06	...	...	...	...	...	27.28
1906-07	...	...	...	...	...	28.10

On the whole the results may be considered satisfactory.

Donkey Breeding.

(j) The following are the results of foalings to coverings during the last three years :—

1904-05	...	...	...	...	...	25.78
1905-06	...	...	...	...	...	32.44
1906-07	...	...	...	...	...	51.93

That the figures show a rise of nearly 20 per cent. on the previous year is greatly due to the marked progress in the Rawalpindi Circle where the percentage has risen from 35.01 to 59.25.

STUDS.

30. In my report last year I stated that the results of coverings for periods corresponding with the Financial Year would be given, therefore the results of coverings that took place between the 1st April 1906 and 31st March 1907 are now given.

(i) The horse-breeding studs at Mona and at Ahmednagar show excellent results in the percentages of foalings to mares covered and are quite a success. For the Mona Stud the percentage is 75 and for the Ahmednagar Stud 80.82. These percentages are extraordinarily good and the best possible commentary on the management.

(ii) The actual percentage of mares which were due to foal during 1907-08 was not unsatisfactory at the Donkey-breeding Stud at Mona; but the actual foaling results, 20.31 per cent. were very bad owing to the fact that abortion broke out in May 1907 and continued through the months of June and July. Since then a few isolated cases have occurred. The total casualties for the year from abortion were 30. The specific causes of the out-break are as yet unknown; but Captain E. C. Webb, A.V.C., Veterinary Officer of the Depôt, is doing all in his power to prevent a recurrence of the out-break. His efforts so far, I am pleased to say, have proved effective.

PART A.—IMPERIAL REPORT.

I.—HORSE BREEDING.

31. There were 349 horse and pony stallions on the register at the commencement of the year under report. 39 were added, 7 by importation, 26 by purchase in India and 6 were transferred from the Ahmednagar Depot. The Thoroughbred English stallion lent to the Junagadh State during 1904-05, in exchange for a Kathiawari stallion, was returned during the year and the Kathiawari stallion was sent back. 27 were removed from the strength, leaving a balance of 361 on 31st March 1908. Of the 33 received by importation from England and purchased in India, my remarks will be found recorded below. Of the 27 stallions removed from the register 24 died, were destroyed or sold, and 3 were presented to the District Boards of Shahpur and Multan.

32. Of the 314 allotted horse and pony stallions remaining at the end of the year, 139 were up to 10 years, 122 over 10 and up to 15 years, and 53 over 15 years.

33. The general average cost of feed and keep was Rs. 380-11-5 for horse stallions and Rs. 409 for pony stallions against Rs. 329-14-6 and Rs. 383, respectively, in the previous year. The figures for pony stallions concern the Deccan Circle only.

34. The number of horse stallions actually employed at stud work during the year was 293. The remainder were either unacclimatised or ineffective from sickness or other causes. The number of mares covered by Government stallions was 12,861.

35. Average of mares covered per stallion :—

Mares covered (*vide* Table IV).

Year under report	...	...	...	...	43.89
Previous year ...	...	...	...	...	41.14

36. Number of foals produced :—

Produce (*vide* Table V).

Year under report	...	...	...	...	5,745
Previous year ...	...	...	...	...	4,806
Percentage of foalings to coverings :—					
Year under report.	...	...	...	...	47.05
Previous year ...	...	...	...	...	41.41

A comparative statement (Table XV) showing the results of coverings during the period from 1901-02 to 1906-07 is appended.

37. The number and classes of stallions received either by importation from England or purchased in India are detailed below :—

From England	...	Thorough-bred English	...	7
		{ Arab ...	...	16
Purchased in India	...	{ Thorough-bred Australian imported by Messrs. Krcrouse, Madden and Mackinnon	...	9
		{ Country-bred	...	1
Received from the Remount Depot, Ahmednagar.	...	{ Country-bred	...	6
		Total	...	39

The average prices paid for horses purchased in India were —

Thorough-bred Australian, imported by Messrs. Krcrouse			
Madden and Mackinnon	...	...	£ 350 or Rs. 5,250 each.
Arabs	...	...	2,513 "
Country-breds	...	...	700 "

The average cost of 7 Thorough-bred English stallions imported from England was £287-10-0. This figure represents the actual price paid and does not include transit and other incidental charges.

Seven Thorough-bred English stallions were imported from England during the season. The first lot of five consisting of "King's Heart," "Saint William," "Sulhan," "Fairfield" and "Auk" arrived in December. The second lot of two consisted of "Hong Kong" and "Sequin" and arrived in March.

My predecessor's remarks on these stallions are as follows:—

- (1) "King's Heart"—Too big. Both hocks curbed.
- (2) "Saint William"—Crooked both fore.
- (3) "Sulhan"—Useful horse;
- (4) "Fairfield"—Nice horse.
- (5) "Auk"—Big; but fine horse.
- (6) "Hong Kong"—Very good.
- (7) "Sequin"—Good.

Arabs.—The Committee appointed for the purchase of Arab stallions, assembled in Bombay in November and February, was composed of—

Colonel H. Goad	...	...	President.
Colonel R. C. Broome	}	...	Members.
Major F. D. Hunt			

As Colonel Goad could not be present in November, Colonel Broome became President and Major T. G. Peacocke attended as a Member. Colonel Goad could not be present again in February and as Colonel Broome was on leave Major T. G. Peacocke attended as President.

Twenty-four stallions were required, but only sixteen could be purchased. These were on the whole fair.

Thorough-bred Australians.—The Committee appointed for the purchase of Australian stallions, assembled at Madras on the 18th January 1908, was composed of—

Colonel H. Goad...	...	...	... President.
Major W. D. Gun, C.V.D.	}	...	... Members.
Major E. Brandreth			

Owing to Major Brandreth's demise Captain W. F. Shore attended as a Member.

Nine stallions were purchased, *viz.*, "Vindicator", "Roller", "Regard", "Ontario", "Simon", "Lord Bernie", "Arajool", "Port Arthur" and "Skipjack." The Committee were of opinion that Messrs. Krcrouse, Madden and Mackinnon had sent over an exceptionally fine lot of stallions. "Vindicator", though measuring high at the withers, is not otherwise a big horse and is an exceedingly fine specimen of the Thorough-bred horse, with great power. As a rule it is preferable to land a horse which has the power, though a trifle big, rather than a small one, which possibly is rather wanting in this respect. "Lord Bernie" and "Simon" are also horses which stand out as exceptionally good.

38. 1,716 horse and mule colts were castrated by Veterinary Assistants paid from Imperial Funds against 1,835 last year. Next year I hope to show an improvement in these figures.

39. The Thorough-bred Australian sire again heads the list with a proportion of 4.37 followed by the Thorough-bred English, Arab, Stud-bred, Country-bred and Hackney and Norfolk Trotters, with proportions of 4.33, 3.19, 2.00, 1.74 and 1.15, respectively.

40. The number of remounts purchased during the year was 1,719 against Country-bred remounts purchased (*vide* Table X). 1,704 last year:—

Army Remount Department	...	...	...	...	779
Native Cavalry Regiments	...	...	...	...	707
Police	...	...	...	...	198
Imperial Service Troops	...	...	...	...	35
				Total	1,719

41. Seven horses died and eleven were destroyed, giving a percentage of 5.34 against 4.20 last year. Full particulars of each stallion will be found in Table XI (A).

42. Six horses were sold during the year as unfit for stud purposes.

Stallions sold (*vide* Table XII).

43. The year under report opened with a balance of 17,359 branded mares for horse-breeding, 2,262 for pony-breeding and 3,885 for mule-breeding on the registers, and closed with 17,682 for horse-breeding, 2,556 for pony-breeding and 3,718 for mule-breeding. The numbers branded during the year were 2,981 for horse-breeding, 515 for pony-breeding and 238 for mule-breeding.

II.—MULE BREEDING.

44. The year under report opened with a balance of 319 donkey stallions on the register, 56 were added, 44 by importation and 12 by purchase in India (including 11 from the Hissar Cattle Farm). The Donkey stallion lent to the Madras Mulo Breeding Company in 1904-05, and which was, on the closure of the Company last year, handed over to Mr. Clementson, was returned by the latter. 19 were removed from the strength, leaving a balance of 357 on 31st March 1908.

45. Of the 312 allotted donkey stallions remaining at the end of the year, 94 were up to 10 years, 165 over 10 and up to 15 years, and 53 over 15 years.

46. The general average cost of feed and keep was Rs. 196-4-7 against Rs. 177-7-5 last year.

47. The number of donkey stallions actually employed during the year at stud work was 283 against 290.40 the previous year. Of this number 46 were used solely for donkey-breeding purposes. The remainder were either unacclimatised or ineffective from sickness or other causes.

48. The numbers of mares served by donkey stallions were 14,979 pony mares and 2,498 donkey mares, against 16,931 and 1,733, respectively, last year.

Mares covered (*vide* Table VI).

The average number of mares covered per stallion was:—

Pony mares	...	...	...	...	63.20
Donkey „	...	...	...	...	54.30

against 67·90 and 42·22, respectively, in the previous year.

49. The results of the previous year's coverings are :—

Produce (*vide* Table VII).

Mule foals	...	...	...	...	4,759
Donkey „	...	...	...	...	900

against 4,630 and 716, respectively, last year.

The percentage of foalings to coverings was 28·10 for mules and 51·93 for donkeys, against 27·28 and 32·44, respectively, last year.

50. Forty-six out of the fifty-four American donkey stallions ordered from the United States of America were landed. Major C. Gough was only able to purchase 48. Of this number 1 died at Lathrop of colic and 1 died on the voyage. Of the number landed, one was handed over to the Foreign Department and one was sold to the Bhopal Durbar.

These 44 Jacks were a very fine lot and suitable in every way for the purpose required.

Eleven stallions were taken over from the Civil Veterinary Department from the Hissar Cattle Farm and are of an excellent stamp.

51. Nine donkey stallions died and seven were destroyed during the year giving a percentage of 5·01 against 3·35 last year. Particulars as to causes of death and destruction will be found in Table XI (A).

52. Three donkey stallions were sold during the year as unsuitable for stud purposes.

STUDS.

HORSE STUDS.

53. (a) The number of mares present at these studs on the 1st April 1907 were :—

At Ahmednagar	...	...	Australian	...	10
			Arab	...	32
			Kathiawari	...	14
			Marwari	...	14
			Deccani	...	15
At Mona	...	...	Indigenous Punjab	...	20
			Total	...	105

(b) The castings and casualties during the year were—

At Ahmednagar	...	...	...	...	9
At Mona	...	...	...	...	2
			Total	...	11

(c) There were added during the year—

At Ahmednagar	...	...	...	...	7
At Mona	...	...	...	...	1
			Total	...	8

(d) Leaving the following number present on the 31st March 1908—

At Ahmednagar	...	Australian	...	9
		Arab	...	31
		Kathiawari	...	13
		Marwari	...	15
		Deccani	...	15
At Mona	...	Indigenous, Punjab	...	19
				<hr/>
		Total	...	102
				<hr/>

FOALINGS.

(e) Statements are attached showing the result of foalings of mares covered between 1st April 1906 and 31st March 1907 (Tables A and B).

From them it will be seen that the percentages of foals to mares covered at the two studs are:—

At Ahmednagar	...	...	...	...	80.82
At Mona	...	...	...	...	75.00

(f) The number of young stock present at these studs on the 1st April 1907 were—

At Ahmednagar	...	...	Colts	...	39
			Fillies	...	41
At Mona	...	...	Colts	...	10
			Fillies	...	10
					<hr/>
					100
					<hr/>

(g) There were added during the year—

At Ahmednagar	...	...	Colts	...	34
			Fillies	...	40
					<hr/>
					74
At Mona	...	...	Colts	...	7
			Fillies	...	8
					<hr/>
					15
					<hr/>
			Total	...	89

The casualties during the year were:—

At Ahmednagar	...	...	Colts	...	4
			Fillies	...	4
					<hr/>
					8
At Mona	...	...	Colts	...	1
			Fillies	...	4
					<hr/>
					5
			Total	...	13

(h) Making the total number present on the 31st March 1908.

At Ahmednagar	...	...	{	Colts	...	...	69
				Fillies	...	...	77
							—146
At Mona	...	...	{	Colts	...	...	16
				Fillies	...	...	14
							—30
				Total	...	...	176

COST OF FEED AND KEEP.

(ii) The average cost of feed and keep per annum was—

			Per mare.	Per foal.
			Rs. a. p.	Rs. a. p.
At Ahmednagar	...	...	... 223-12-0	199-11-0
At Mona	...	...	... 179-9-11	158-6-10

The young Arab stock at the Nagar Stud show great promise, and this is a matter of congratulation when considered with the fact of the steady decline in the Bombay Arab market. The other breeds are doing well.

DONKEY STUD.

(a) There were 80 mares present on the 1st April 1907. 2 were added and 2 removed from the strength, leaving a balance of 80 on 31st March 1908.

FOALINGS.

(b) A statement is attached showing the result of foalings of mares covered between 1st April 1906 and 31st March 1907 (Table C).

From this it will be seen that the percentage of foals to mares covered is 20 31.

(c) The number of foals present on the 1st April 1907 were:—

Colts	...	...	...	...	...	15
Fillies	...	...	...	...	...	19
						—
					Total	34
						—

(d) There were added during the year—

Colts	...	...	...	...	...	13
Fillies	...	...	...	...	...	16
						—
					Total	29
						—

3 colts died, 3 fillies died and one filly was destroyed during the year.

(e) Making the total number present on the 31st March 1908.

Colts	...	...	...	...	...	25
Fillies	...	...	...	...	...	31
						—
					Total	56
						—

(f) Cost of feed and keep.--The average cost of feed and keep per annum was--

					Rs. A. P.
Per mare	...	...	...	...	46-13-4
Per foal	...	...	...	...	70-8-10

PART B.--PROVINCIAL REPORT.

I.--HORSE-BREEDING.

54. There were 124 pony stallions at the beginning of the year, 18 were added to the registers and 6 removed, leaving a closing balance of 136 on 31st March 1908.

Stallions on the register (Table I).

55. The general average cost of feed and keep of pony stallions was--

Cost of feed and keep (Table II).

					Rs. A. P.
Year under report	...	...	...	...	299-0-0
Previous year	...	...	...	...	276-3-1

56. 130 stallions were actually employed at stud out of 136 on the register against 117 last year.

Stallions at work (Table III).

57. 7,644 mares were covered against 6,889 in the previous year.

Mares covered (Table III).

Average of mares covered per stallion--

Year under report	...	...	...	...	58-80
Previous year	...	...	...	...	58-88

58. Number of foals produced--

Produce (Table IV).

Year under report	...	...	...	...	2,128
Previous year	...	...	...	...	1,748

Percentage of foalings to coverings--

Year under report	...	...	...	...	30-88
Previous year	...	...	...	...	31-39

59. Two ponies died and one was destroyed giving a percentage of 2.42. Table VII (A) gives particulars of casualties.

Casualties (Table VII).

60. Three pony stallions were sold.

Sales (Table VIII).

II.--MULE-BREEDING.

61. Eight stallions were on the register at the beginning of the year; none were added or removed.

Stallions on register (Table I).

62. The cost of feed and keep of donkey stallions was:--

Cost of feed and keep (Table II).

					Rs. A. P.
Year under report	...	...	...	...	160-4-2
Previous year	...	...	...	...	133-5-6

63. All the eight stallions were actually employed at stud against the same number last year.

Stallions at work (Table V).

64. The number of mares covered were--

Mares covered (Table V).

Pony mares	...	...	...	...	181
Donkey "	...	...	...	...	170

against 255 and 190 respectively last year.

The average number of mares covered per stallion was:--

Pony mares	...	...	...	...	30-20
Donkey "	...	...	...	...	85-00

against 42.5 and 95.0, respectively, last year.

65. The result of the previous year's coverings are—

Produce (Table VI.)						
Mule foals	...	...	...	...	...	54
Donkey „	...	...	...	...	...	76

against 76 and 49, respectively, in the previous year.

The percentage of foals to coverings was 21.17 for mules and 40.00 for donkeys against 28.57 and 36.84, respectively, last year.

HORSE FAIRS AND SHOWS.

66. Table XIV is an extract of particulars regarding horse fairs and shows held during the year.

RAWALPINDI CIRCLE.

67. Two fairs were held in this Circle. The number of animals present was 4,840 against 4,553 in the previous year. The number competing 823 against 739. The number of remounts purchased was 23. 73 mules were purchased for Government and 11 by others.

Gujrat.—593 animals were present as against 896 the previous year. The number competing was 340 against 310. The show taken on the whole was satisfactory. A considerable number of the young stock in the show were in poor condition on account of famine existing. A large number of mares were branded at the show.

5 remounts and 12 mules were purchased by this Department.

Rawalpindi.—The numbers present were 4,242 against 3,657 last year. The number competing was 477 against 429. The weather this year during the horse show week could not have been better. In spite of famine, or, at any rate, very grave scarcity of grain and fodder the stock shown were in good condition. The effects of the drain on the district when the Jhelum Canal Colony was started are fast disappearing.

16 remounts were purchased by this Department, and 2 by Native Cavalry. 5 mules were bought by Army Remount Department and 56 by Supply and Transport Corps and Native Cavalry.

JHELUM CANAL COLONY CIRCLE.

68. Two fairs were held in this Circle. The number of animals present was 2,611 against 2,351 last year; the number competing for prizes 1,171 against 1,254. The number of remounts purchased was 112. No mules were purchased by Government: 18 mules were purchased by others.

Shahpur.—The number of animals present was 1,016 against 1,216 the previous year; the number competing 400 against 449. There was a considerable falling off in the number of sales this year; but the average prices realized were somewhat higher. Last year 258 horses sold for Rs. 28,523, whereas this year 193 sold for Rs. 23,164. The decrease in sales was, I think, due in a measure to the shortage of fodder in the district.

5 remounts were purchased by this Department and 37 by Native Cavalry. 12 mules were purchased by others.

Sargodha.—The number of animals present was 1,595 against 1,135 last year. The number competing 771 against 805. The show was a success again this year.

66 remounts and 1 mule were purchased by Native Cavalry and 5 mules by others. 4 Transport riding ponies were purchased. The Army Remount

Department do not buy at this fair. The total number of sales this year was 231 for Rs. 26,789. In the previous year, however, 202 animals sold for Rs. 29,000. I am unable to account for the falling off in prices paid.

CHENAB CANAL COLONY CIRCLE.

69. Three fairs were held in this Circle. The number of animals present was 11,494 against 7,827 last year. The number competing for prizes was 1,363 against 1,174. The number of remounts purchased was 32. 71 mules were purchased for Government and 73 by others.

Lyallpur.—The number of animals present was 2,638 against 3,221 last year. The number competing 460 against 449. The show this year took place at the same time as the Cattle Fair, and *zemindars* who owned both horses and cattle had to limit the number of animals of each kind they wished to bring in to the show, which may account for the decrease in the number of horses, etc., shown as compared with last year. Although there were fewer horses, etc., attending the show, those that did attend were brought in for some purpose, *i.e.*, either to compete in the various classes, or be sold, and not only with the object of swelling the number of animals attending. No fewer than 1,173 horses, etc., changed hands for the large sum of Rs. 80,937 a tremendous increase over the amount of local sales last year when 267 animals sold for Rs. 29,103.

5 remounts were purchased by this Department and 20 by Native Cavalry. 99 mules were purchased, 27 for Government and 72 by others.

Hafizabad.—6,957 animals attended as compared with 3,141 the previous year. The number competing was 476 against 344. This fair has become a very popular one in the Gujranwala District. The average quality of stock shown was poor.

3 young stock horses were purchased by Native Cavalry. 24 young stock mules were purchased by this Department.

Jhang.—The number of animals present was 1,899 against 1,465 last year. The number competing was 427 against 381. There was a satisfactory increase in the numbers of horse stock attending and competing at this fair this year over previous years. The fair continues to improve from year to year slowly but surely.

1 young stock horse and 20 young stock mules were purchased by this Department and 3 young stock horses by Native Cavalry.

At both the fairs of Hafizabad and Jhang the stock showed very distinct signs of having been starved owing to there having been a great lack of fodder in the Gujranwala and Jhang Districts.

LAHORE CIRCLE.

70. Five fairs were held in this Circle. There was a further decrease this year both in the number of animals present and competing for prizes, *viz.*, 16,465 and 915 against 18,226 and 925 last year, respectively. The number of remounts purchased was 286. 221 mules were purchased for Government and 858 by others.

Amritsar (Dewali).—The number of animals present was 6,282 against 6,338 last year.

2 young stock remounts were purchased by this Department and 85 by Native Cavalry. 77 mules were purchased for Government and 446 by others.

Jalalabad.—The number of animals present was 1,392 against 1,464 the previous year. The number competing was 119 against 86. The fair is capable of great improvement and as the southern districts improve I hope this will be seen.

2 young stock remounts were purchased by this Department and 10 by Native Cavalry. 5 mules were purchased for Government and 15 by others.

Multan.—The number of animals present was 806 against 677 last year. The number competing for prizes was 243 against 263. Some fair brood mares were present; but otherwise the stock was not of a high class. Prizes from Imperial funds now only go to mule and donkey stock.

3 remounts were purchased by this Department. 4 mules were purchased for Government and 10 by others.

As regards the withdrawal of Imperial stallions from the Multan District, I would here remark that the *zemindars* are now sorry that they did not make use of Imperial stallions when they were present. The *zemindars* appear alive to the advantages of using our stallions and seem keen on horse-breeding. Some of their mares are good. I am seriously thinking of asking permission to replace Imperial stallions in this district.

Dera Ghazi Khan.—The number of animals attending the fair was 2,000 against 3,600 last year. The number competing for prizes was 501 against 405. Although the total number of animals was less than last year, there were more competing for prizes. This fair was a really good fair both in numbers and the quality of stock present, and is far ahead of any other in the Circle

19 remounts were purchased by this Department and 32 by Native Cavalry. 25 mules were purchased for Government and 73 by others.

Amritsar Baisakhi.—The number of animals present was 5,985 against 6,157 last year. The fair from a district breeding point of view cannot be said to have been a success. The rain which fell frequently may have in some small measure accounted for this. The fair is essentially a dealers fair.

2 remounts were purchased by this Department and 131 by Native Cavalry. 110 mules were purchased for Government and 314 by others.

BALUCHISTAN CIRCLE.

71. Six fairs were held in this Circle. The number of animals present was 3,385 against 4,173 last year. The number competing for prizes was 2,932 against 3,668. The number of remounts purchased was 253. 50 mules were purchased for Government and 29 by others.

Quetta.—The number of animals exhibited was 607 against 666 last year. The number competing 514 against 587. The number of exhibits fall short of last year for the following reasons:—

Firstly, owing to their crops in Kachi and Bhag Nari being ripe, many *zemindars* had already left Baluchistan.

Secondly, the fact of there being no class for unbranded fillies, many were sent away unclassified, their owners being unwilling to have them branded.

The quality of the exhibits in the more important classes was excellent and the excellence of the classes for fillies promises well for the future stamp of brood mare in Baluchistan. The classes for colts and geldings were disappointing compared with the filly classes. *Zemindars* take no care of colt foals, and those exhibited mostly showed that they had been neglected.

10 remounts were purchased by this Department, 43 by Native Cavalry and 36 by Police.

Sibi.—The number of animals exhibited was 528 against 607 last year. The number competing was 498 against 536. Considering that in certain parts of the district famine works are in progress and that more or less scarcity prevails throughout, the show may be considered a success; but the high prices

of fodder obtaining in Sibi just now prevented many of the poorer *zemindars* from coming in. The brood mare class maintains its customary high level. The yearling fillies were not so good as last year and the same may be said of the yearling and two-year-old geldings. There were many conspicuously good young stock; but the average quality throughout was not so good as last year.

11 remounts and 4 mules were purchased by this Department.

Jacobabad.—The number present was 889 against 998 last year. The number competing was 824 against 820. The following facts may be said to account for the decrease in the number of animals present;—

- (i) the average of quality in each class is very much higher than it was four years ago, consequently owners of worthless animals do not trouble to bring them in to the show as they used to do in the past;
- (ii) the importation of Northern horses has practically ceased, in former years considerable numbers of them were exhibited in this Circle.

The brood mares exhibited were up to the usual high standard of this show. The young stock taken as a whole were excellent. The entries in the foal classes were fewer than usual; but those shown were above the average in quality and size. The two-year-old geldings were scarce and only fair as regards quality. The three-year-old fillies were the best ever seen at Jacobabad.

15 remounts were purchased by this Department, 33 by Native Cavalry and 84 by Police. 8 mules were purchased by this Department and 14 by others.

Talhar.—574 animals were present at the show as compared with 1,142 the previous year. The number competing was 325 against 1,009. The brood mares shown were good on the whole for this district. Young stock were bad, under-fed and badly treated generally.

6 remounts were purchased by Police. 23 mules were purchased by this Department.

Shikarpur.—The number of animals attending the show was 524 against 591 last year. The number competing was also 524 as against 591. There is a slight improvement from year to year. The wealthier *zemindars* and others in the Jacobabad direction show some enthusiasm in trying to breed good horses; but south of Shikarpur horse-breeding is at a stand-still. Winners of the higher prizes in the brood mare class were quite good and the average throughout the class good. Young stock, with two exceptions, were very poor.

2 remounts were purchased by this Department and 6 by Police. 15 mules were purchased by this Department and 15 for the Supply and Transport Corps.

Gumbaz.—208 animals were present this year against 236 last year. The number competing for prizes, 192, was however the same in both years. Brood mares were on the average very good, short-legged and roomy, with fair bone. The young stock were an improvement on previous years and there was an improvement in their condition. The fillies and foals were good.

7 remounts were purchased by police.

UNITED PROVINCES CIRCLE.

72. Four fairs were held in this Circle. The number of animals present was 5,628 against 5,176 last year. The number competing for prizes was 1,375 against 1,258. 98 remounts were purchased. 11 mules were purchased for Government and 3 by others.

Aligarh, Bulandshahr, Nauchandi and Muzaffarnagar.

Aligarh.—678 animals were present as compared with 656 the previous year. The number competing was 275 against 229. Considering the year was a famine one, the fair can be considered a success. There was an increase in all classes shown as compared with the previous year. Very high prices for fodder ruled at the fair, which kept many *zemindars* away.

5 remounts and 3 mules were purchased by this Department, and 3 remounts were purchased by Native Cavalry.

Bulandshahr.—671 animals were present as compared with 630 the previous year. The number competing was 361 against 334. Fodder rates ruled very high at this fair also, consequently breeders who were not certain of obtaining prizes with their animals stayed away. The class of stock shown was good throughout.

12 remounts and 1 mule were purchased by this Department, 6 remounts were purchased for Native Cavalry and 4 for Imperial Service Troops.

Muzaffarnagar.—1,723 animals were present as compared with 1,354 the previous year. The number competing was 220 against 198. The attendance at the fair was satisfactory; but was due largely to the desire of *zemindars* to sell their animals on account of the high prices of fodder in the district.

1 remount and 2 mules were purchased by this Department, 2 remounts were purchased for Native Cavalry, 12 riding ponies for the Supply and Transport Corps and 6 for Imperial Service Troops.

Nauchandi.—2,553 animals were present as compared with 2,536 the previous year. The number competing was 519 against 497. The show was quite satisfactory. The quality of stock was good throughout.

6 remounts and 5 mules were purchased by this Department. 4 remounts were purchased by Native Cavalry, 8 for Police and 29 ponies for Imperial Service Troops. 3 mules were purchased by Native Cavalry.

DECCAN CIRCLE.

73. One fair was held in this Circle. The number of animals exhibited was 629 against 571 last year. The number competing for prizes was 456 against 571.

Ahmednagar.

The show was, on the whole, a success though disappointing from a remount purchasing point of view.

3 remounts were purchased by this Department and 1 by Police.

GENERAL.

74. The health of the circles, with the exception of the Jhelum Canal Colony Circle has been good during the year. In the Jhelum Canal Colony Circle a severe out-break of plague occurred. Most of the stables suffered a little, but the losses at Shahpur were most severe.

Health.

The health of the stallions has been good.

75. The health of the horse studs has been very good. There was, however, an unfortunate series of abortions in the donkey stud at Mona, which I have already referred to in paragraph 30 (ii).

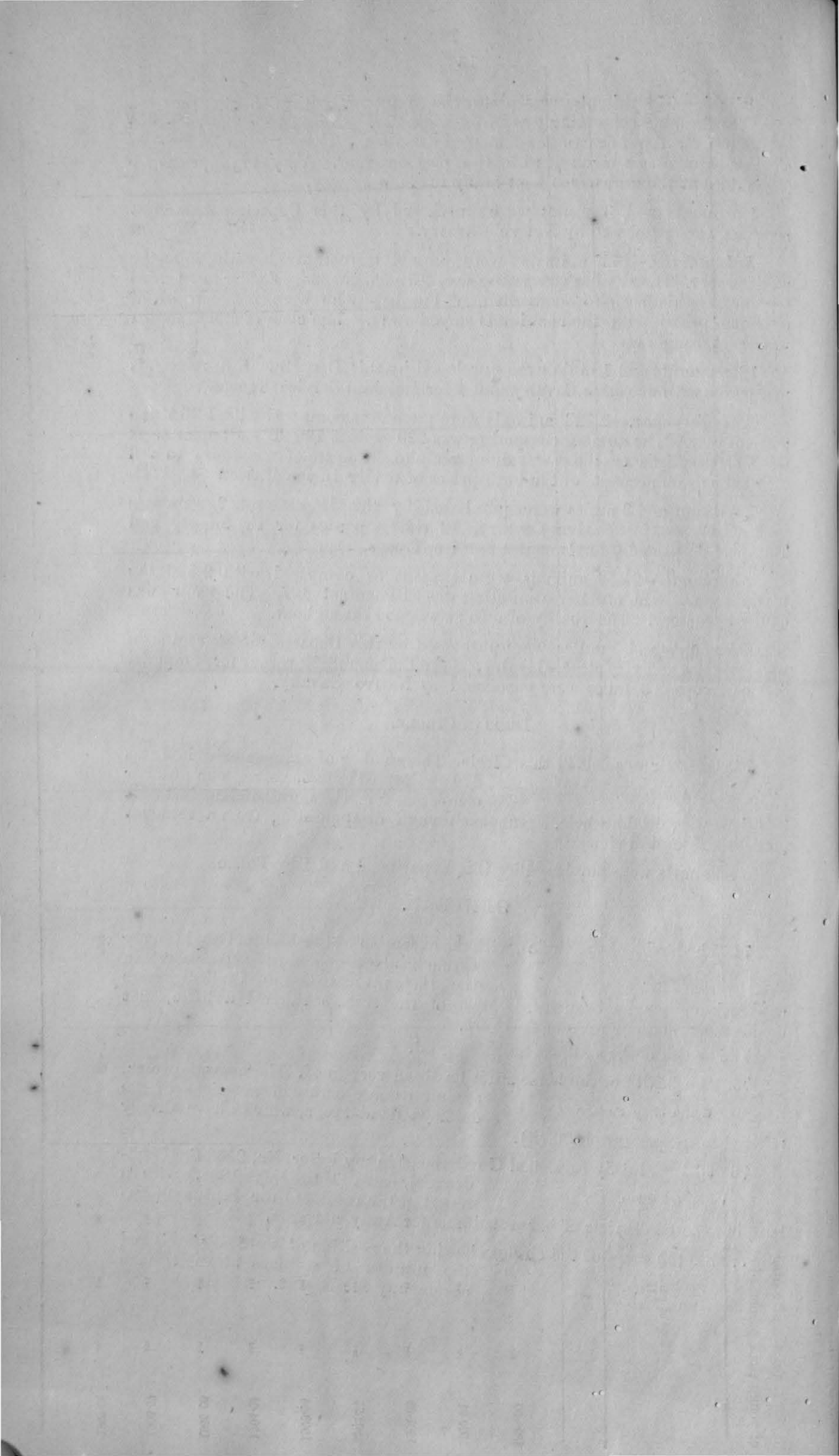
Health of the Studs.

76. I have already furnished Government in my letter No. 2566-S. (Confidential), dated 10th July 1908, with a report of the results of the census operations in selected districts of horses suitable for Army purposes.

Census Operations.

77. Sketch maps of the circles showing the position of stallion stands and the number of stallions at each stand accompany the Report.

Maps.



(a) the number present on 1st April,

(b) the casualties between April 1st and March 31st,

(c) the percentage of casualties,

of young stock purchased at an age lower than 18 months, and between June 1899 and 31st March 1908.

Year of purchase.	No. present at opening of the year.	No. purchased during the year.	CASUALTIES DURING THE YEAR.			No. on which percentage is calculated i.e., total of Columns 2 and 3.	Percentage of casualties.	Issued to service.	Present at the close of the year.
			Died and destroyed.	Cast and sold.	Total.				
1	2	3	4	5	6	7	8	9	10
1899-00	...	27	1	1	2	27	7.4	...	25
1900-01	25	24	1	1	2	49	4.08	...	47
1901-02	47	32	3	4	7	79	8.86	...	72
1902-03	72	32	11	5	16	104	15.38	5	83
1903-04	83	66	2	5	7	149	4.66	18	124
1904-05	124	175	16	15	31	299	10.37	20	248
1905-06	248	200	18	12	30	448	6.7	9	409
1906-07	409	368	32	44	76	777	9.77	23	678
1907-08	678	582	79	26	105	1,260	8.3	37	1,118

Appendix II.

Statement showing the commissions given to shippers during 1907-08, the number of horses presented and the number purchased.

CALCUTTA.			MADRAS.			BOMBAY.					
Names of shippers.	Commissioned.	Presented.	Purchased.	Names of shippers.	Commissioned.	Presented.	Purchased.	Names of shippers.	Commissioned.	Presented.	Purchased.
Mr. A. Glascock	143	155	126	Messrs. Krcrouse, Madden and Mackinnon...	361	295	311	Mr. R. G. Baldock	177	275	188
„ J. Gove	77	95	77	„ Gidney and Fountain ...	114	160	104	„ J. Gove	127	248	93
„ S. Margrett	133	169	139	Mr. Derham	104	116	64	UNCOMMISSIONED			
„ H. Hurley	133	177	104	.....	...	...	...	Mr. Tullock ... ..	...	...	4
„ W. J. Lyon	102	127	103	.....	...	...	...	„ Cotgrave ... ..	...	...	14
Messrs. Howard and Reidy	113	120	104	.....	...	...	...	MADRAS CAVALRY.			
Mr. R. McKenna	102	119	95	.....	...	...	...	Mr. R. G. Baldock	30	40	30
„ A. Gilder	79	99	80	.....	...	...	...	.....	...	...	...
„ S. F. Reynolds	102	126	99	.....	...	...	...	.....	...	...	...
Messrs. J. Gascard and E. Gilder	77	97	78	.....	...	...	...	.....	...	...	...
Mr. J. S. Love	79	140	91	.....	...	...	...	.....	...	...	...
„ M. L. Paterson... ..	46	57	44	.....	...	...	...	.....	...	...	...
„ W. Hawkins	24	40	21	.....	...	...	...	.....	...	...	...
„ H. Hegarty	21	57	23	.....	...	...	...	.....	...	...	...
„ V. Shiels	20	26	15	.....	...	...	...	.....	...	...	...
„ C. J. Reakes	61	105	67	.....	...	...	...	.....	...	...	...
Uncommissioned	12	1	1	.....	...	...	...	.....	...	...	...
MADRAS CAVALRY.											
Mr. S. S. Love	64	85	64	.....	...	...	...	.....	...	...	...

CALCUTTA.					MADRAS.					BOMBAY.				
Shippers.				Number commissioned.	Shippers.				Number commissioned.	Shippers.				Number commissioned.
Mr. A. Glasscock	...	...	...	86	Messrs. Gidney and Fountain	...	...	...	202	Mr. R. G. Baldoek	...	...	...	302
" J. Gove	...	...	...	46	Mr. Derham	...	...	...	68	" J. Gove	...	...	...	217
" S. Margrett	...	...	...	121	" R. G. Baldoek	...	...	...	114	MADRAS CAVALRY.				
" H. Hurley	...	...	...	84	" H. Hurley	...	...	...	100	Mr. R. G. Baldoek	...	...	...	43
" W. J. Lyon	...	...	...	68	Uncommissioned	...	...	...	12	.....				...
Messrs. M. F. Howard and Reidy	...	...	...	69	.....				...	.....				...
" J. Gascard and R. Gilder	...	...	...	46	.....				...	.....				...
Mr. R. M. McKenna	...	...	...	62	.....				...	.....				...
" Gilder	...	...	...	47	.....				...	.....				...
" S. F. Reynolds	...	...	...	61	.....				...	.....				...
" J. S. Love	...	...	...	61	.....				...	.....				...
" M. D. Paterson	...	...	...	28	.....				...	.....				...
" H. Hegarty	...	...	...	13	.....				...	.....				...
Uncommissioned	...	...	...	12	.....				...	.....				...
MADRAS CAVALRY.														
Mr. J. S. Love	...	...	...	110	.....				...	.....				...
.....			
.....			
.....			
TOTAL				911	TOTAL				496	TOTAL				567

Appendix IV.

Statement showing the names of the places where the 782 country-bred stock were purchased during the year 1907-08; the numbers bought and the names of the officers buying them.

Names of places.	No.	By whom purchased.
Shikarpur	2	Captain D. J. Quinlan.
Chirawak	2	Major B. J. H. Humfrey.
Parichitgarh	2	Ditto.
Amritsar	6	Captain S. A. M. Orr.
Changa Manga	1	Ditto.
Moongchar	2	Lieutenant C. E. M. Mayne.
Quetta	4	Ditto.
Kanak	2	Ditto.
Band Khushdil Khan	1	Ditto.
Mastung	1	Ditto.
Jhang	1	Lieutenant D. H. Vanrenen.
Muzaffarnagar fair ..	1	Lieutenant R. S. Scott.
Muktsar	2	Lieutenant D. R. Hewitt.
Tomesa	1	Ditto.
Chakwal	1	Lieutenant H. G. Allen.
Rawal Pindi	16	Ditto.
Jatli	1	Ditto.
Sibi	11	Captain D. J. Quinlan.
Babugarh	1	Major B. J. H. Humfrey.
Bulandshahr fair	12	Lieutenant R. S. Scott.
Choti	3	Lieutenant D. R. Hewitt.
Jampur	4	Ditto.
Jacobabad	14	Captain D. J. Quinlan.
Jhall	1	Ditto.
Harrand	12	Lieutenant D. R. Hewitt.
Jallalabad	2	Ditto.
Gujrat	1	Captain E. C. Loch.
Lyallpur	11	Lieutenant D. H. Vanrenen.
Khuneda	4	Lieutenant H. G. Allen.
Rawal	1	Ditto.
Jhelum Canal Colony Circle	587	14 Lieutenant W. H. Anderson, 246 Captain E. S. Gillett; 327 Captain J. Bruce.
Aligarh fair	5	Lieutenant R. S. Scott.
Raewind	1	Lieutenant D. R. Hewitt.
Luliani	3	Ditto.
Carried over	719	

Appendix IV—contd.

Statement showing the names of the places where the 782 country-bred stock were purchased during the year 1907-08; the numbers bought and the names of the officers buying them—contd.

Names of places.	No.	By whom purchased.
Brought forward ...	719	
Multan ...	3	Lieutenant D. R. Hewitt.
Gojra ...	2	Lieutenant D. H. Vanrenen.
17th Cavalry Stud ...	3	Ditto.
Dera Ghazi Khan ...	19	Lieutenant D. R. Hewitt.
Peshawar ...	1	Lieutenant H. G. Allen.
Taliaganj ...	4	2 Captain E. C. Loch and 2 Lieutenant H. G. Allen.
Haripur ...	3	1 Ditto 2 Ditto.
Kot Fateh Khan ...	4	1 Ditto 3 Ditto
Ahmednagar fair ...	3	Major F. D. Hunt.
Palitana ...	3	Ditto.
Mirpur ...	1	Captain E. C. Loch.
Hassan Abdal ...	1	Ditto.
Campbellpur ...	1	Ditto.
Hissar ...	1	Ditto.
Bathor ...	2	Ditto.
Fatehjang ...	2	Ditto.
Jalalpur ...	2	Ditto.
Kharian ...	1	Ditto.
Dina ...	1	Ditto.
Kamlial ...	3	Lieutenant H. G. Allen.
Pindigheb ...	3	Ditto.
Total ...	782	

Appendix V.

Statement showing the names of officers who purchased the country-bred stock that were issued to the British service, or cast and sold during the official year 1907-08, with fit and unfit proportions of those purchased by each.

Name of purchasing officer.	British service.	Cast and sold.	Total.	REMARKS.
Captain Bruce	9	6	15	
„ Brown	1	...	1	
Colonel Broome	3	1	4	
„ H. Goad	1	...	1	
Lieutenant D. R. Hewitt ... ..	...	1	1	
Captain Gillet	1	...	1	
Major Humfrey	22	6	28	
Captain Loch ... ..	...	4	4	
„ Orr	27	5	32	
Major Patterson	15	3	18	
Lieutenant D. H. Vanrenen	1	...	1	
Captain Shakespear	1	...	1	
„ Stewart	5	...	5	
Major Templer	27	16	43	
Depôt Foals	1	5	6	
Stud Foals ... ..	...	4	4	
Total	114	51	165	

Appendix VI.

Statement showing the names of the places at which the country-breds were obtained that were either issued to the British service or cast and sold during the official year 1907-08 with fit and unfit proportions for each place.

Name of place at which purchased.	British service.	Cast and sold.	Total.	REMARKS.
Ahmednagar Fair ...	...	1	1	
Aligarh ...	2	1	3	
Amritsar ...	10	1	11	
Babugarh ...	2	...	2	
Binaoli ...	...	1	1	
Bulandshahr ...	5	1	6	
Chak Ramdass ...	1	...	1	
Chunian ...	1	...	1	
Dera Ghazi Khan ...	13	4	17	
Fatejang ...	1	...	1	
Gojra ...	1	...	1	
Gujranwala ...	3	...	3	
Gujrat ...	1	1	2	
Gujarkhan ...	...	1	1	
Jacobabad ...	12	1	13	
Jallalabad ...	2	...	2	
Jhang ...	1	...	1	
Meerut (Nauchandi) ...	6	1	7	
Mona ...	13	11	24	
Moneypur ...	6	1	7	
Mulcan ...	1	...	1	
Muzaffarnagar ...	6	2	8	
Muktsar ...	1	...	1	
Pindigheb ...	1	...	1	
Quetta ...	3	2	5	
Rawalpindi ...	...	1	1	
Sargodha ...	2	11	13	
Shahpur ...	14	...	14	
Sissowna ...	1	...	1	
Thuti-Nur Ahmed Shah ...	...	1	1	
Wankanir ...	1	...	1	
Palitana ...	2	...	2	
Depot Foals ...	1	5	6	
Stad Foals ...	...	4	4	
17th Cavalry Stud ...	1	...	1	
Total ...	114	51	165	

TABLE A.

STATEMENT SHOWING RESULTS OF BROOD MARES COVERED FROM 1ST APRIL 1906 TO 31ST MARCH 1907.

AHMEDNAGAR STUD.

Name of Breed	Number of mares present.	Number of mares covered.	FOALINGS.			CASUALTIES.		REMARKS.	
			Colts.	Fillies.	Percentage of foals to mares covered.	Number died or destroyed.	Percentage.	Slipped,	Missed.
Arab	32	36	14	17	86.11	2	6.45	...	5
Deccani	15	19	3	10	78.94	...	...	2	4
Kathiawari	14	14	9	3	85.71	1	8.33	...	2
Marwari... ..	14	15	4	7	80.00	...	...	1	3
Australian	10	10	3	3	60.00	...	...	...	4
Total	85	94	33	40	80.82	3	4.10	3	18

TABLE B.

STATEMENT SHOWING RESULTS OF BROOD MARES COVERED FROM 1ST APRIL 1906 TO 31ST MARCH 1907.

MONA STUD.

Name of Breed.	Number of mares present.	Number of mares covered.	FOALINGS.			CASUALTIES.		REMARKS.
			Colts.	Fillies.	Percentage of foals to mares covered.	Number died or destroyed.	Percentage.	
Indigenous Punjab ...	20	20	7	8	75.00	3	20.00	Missed. 5
Total ...	20	20	7	8	75.00	3	20.00	

TABLE C.

STATEMENT SHOWING RESULTS OF DONKEY MARES COVERED FROM 1ST APRIL 1906 TO 31ST MARCH 1907.

MONA STUD.

Name of Breed.	Number of mares present.	Number of mares covered.	FOALINGS.			CASUALTIES.		REMARKS.
			Colts.	Fillies.	Percentage of foals to mares covered.	Number died or destroyed.	Percentage.	
Country-bred ...	80	64	3	10	20.31	4	30.7	30 aborted, 20 missed, 1 in foal and due.
Total	80	64	3	10	20.31	4	30.7	

TABLE D.

Circles.	1907-08.						1906-07.					Number of young stock purchased during 1906-07.
	Number of stallions on register.	Stallions actually employed at stud.	Number of branded mares in Circle.	Number of Mares covered.	Percentage of mares covered.	Average of mares covered per stallion employed at stud.	RESULT OF COVERINGS.					
							Number of mares covered.	Number of foals born.	Result not known.	Number not held.	Percentage of foals born.	
Jhelum Canal Colony	99	100	4,612	4,296	93.14	42.96	3,576	*2,047	172	1,357	57.36	587
Lahore	50	40	3,585	1,911	53.31	47.77	2,212	†931	†155	1,126	42.08	57
United Provinces	41	37	2,065	1,585	76.76	42.83	1,557	§585	104	868	37.57	23
Deccan	27	26	1,436	754	52.51	29.00	853	322	26	505	37.75	3
Baluchistan	34	36	2,830	1,380	48.77	38.33	1,504	835	21	648	55.52	38
Rawalpindi	28	20	1,698	1,219	71.79	60.95	1,093	494	194	405	45.19	54
Chenab Canal Colony	35	34	2,534	1,716	67.72	50.47	1,415	531	52	833	37.52	17

* Includes 131 slunks.

† Includes 35 slunks.

‡ Includes 43 died, 84 sold and 11 stolen.

§ Includes 34 slunks.

TABLE I.

Return of Government HORSE, PONY and DONKEY STALLIONS for the year 1907-08.

Details.	GOVERNMENT HORSE AND PONY STALLIONS.											GOVERNMENT DONKEY STALLIONS.											
	HORSES.							PONIES.				Total horses and ponies.											
	Thorough-bred English.	Half-bred English.	Australian.	Arab.	Stud-bred.	Country-bred.	Total.	Arab.	Country-bred.	Total.	Spanish (Catalonian).		Arab.	Home-bred.	Italian.	American.	Persian.	Cyprian.	Ghazni.	Meshed.	Argentine.	Punjab and country-bred.	Total.
Balance on 1st April 1907	89	1	57	169	3	18*	337	10	2	12	349	29	5	1	67	27	1	121	1	2	1	64	319
Received by importation	7						7				7					44							44
Purchased in India			9	16		1	26				26											1	1
Received from Ahmednagar Depot				2	4		6				6												
Increase	1						1				1												
Received back from Junagadh Durbar																							
Received from Hissar Cattle Farm																							
Received back from Madras Mule Breeding Co. per Mr. Clementson															1							11	11
Total	97	1	66	187	7	19	377	10	2	12	389	29	5	1	67	72	1	121	1	2	1	76	376
Decrease	1		2	3		1	7				7	2			3			3				1	9
Died	6		2	3			11				11	2											7
Destroyed	2			4			6				6							1	1			1	3
Sold						1	1				1												
Returned to Junagadh Durbar				3			3				3												
Presented to District Boards, Shahpur and Multan																							
Total	9		4	13		2	28				28	4			6		1	6				2	19
Balance on 31st March 1908, as detailed below	88	1	62	174	7	17	349	10	2	12	361	25	5	1	61	72		115	1	2	1	74	357
Bawalpindi Circle	10		5	13			28				28	7	1	1	21	7		42			1	43	123
Chenab Canal Colony Circle	6		7	19		3	35				35	1			7	15		11				13	47
Jhelum Canal Colony Circle	20		16	52		11	90				90	1			2	1		3				2	9
Lahore Circle	15	1	10	21	3		50				50	5	1		16	1		32		1		5	61
United Provinces Circle	24		15	45	4		88				88	2	2		4	45		15				3	71
Baluchistan Circle	8		7	19			34				34	9	1		11	2		12	1	1		8	45
Deccan Circle	5		2	5		3	15	10	2	12	27												
In transit															1								1
Total	88	1	62	174	7	17	349	10	2	12	361	25	5	1	61	72		115	1	2	1	74	357

N.B.—The discrepancy in sub-heads of balance on 1st April 1907 among horse and pony stallions, is due to one stallion having been shown inadvertently as stud-bred instead of country-bred and two stud-bred stallions having been shown as country-bred.

* Two stallions transferred from the Remount Depot, Meera, during 1906-07 were not shown in the balance as it stood on the 31st March 1907.

IMPERIAL.

TABLE II.

Statement showing the AGES OF STALLIONS on the register on 31st March 1908.

Circle.	HORSES AND PONIES.				DONKEYS.				REMARKS.
	Up to 10 years.	Over 10 and up to 15 years.	Over 15 years.	Total.	Up to 10 years.	Over 10 and up to 15 years.	Over 15 years.	Total.	
Rawalpindi	8	15	5	28	46	61	16	123	
Jhelum Canal Colony	69	25	5	99	3	4	2	9	
Chenab " "	12	15	8	35	27	17	3	47	
Lahore	13	27	10	50	9	42	10	61	
Baluchistan	8	18	8	34	8	17	20	45	
United Provinces	20	12	9	41	1	24	2	27	Unallotted stallions not shown.
Deccan	9	10	8	27	...	...	...	...
Total,	139	122	53	314	94	165	53	312	

IMPERIAL.

TABLE III.

Cost of FEED AND KEEP OF STALLIONS during 1907-08.

		AVERAGE COST PER STALLION PER ANNUM.					
		HORSE.		PONY.		DONKEY.	
Circle.		Year under report.	Previous year.	Year under report.	Previous year.	Year under report.	Previous year.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Rawalpindi	... ..	391 0 0	318 12 0	...	...	171 14 0	155 8 0
Jhelum Canal Colony	...	402 6 9	305 10 7	...	...	181 10 1	145 4 6
Chenab	" "	359 8 4	291 7 6	...	...	202 13 2	159 5 8
Lahore	... ..	330 3 3	306 0 6	...	...	153 8 2	149 7 11
Baluchistan	... ..	432 8 0	403 4 5	...	...	297 2 7	279 7 0
United Provinces	...	340 5 8	301 2 5	...	...	170 11 7	175 11 7
Dacca	... ..	409 0 0	383 0 0	409 0 0	383 0 0	...	...
General average	...	380 11 5	329 14 6	409 0 0	383 0 0	196 4 7	177 7 5

IMPERIAL.

TABLE VI.

SERVICES of DONKEY STALLIONS during 1907-08.

Circle.	Stallions on register at end of year.	DONKEY STALLIONS ACTUALLY EMPLOYED AT STUD.		NUMBER OF MARES COVERED		AVERAGE OF MARES COVERED PER STALLION EMPLOYED AT STUD.			
		For mule-breeding.	For donkey-breeding.	Pony.	Donkey.	PONY MARES.		DONKEY MARES.	
						Year under report.	Previous year.	Year under report.	Previous year.
Bawalpindi ...	123	72	30	5,712	1,928	79.33	77.82	66.60	49.28
Jhelum Canal Colony...	9	7	3	510	103	72.85	74.33	36.00	25.00
Chenab Canal Colony...	47	46	...	3,495	...	75.97	72.97	...	...
Lahore ...	61	56	2	3,133	106	55.94	74.50	53.00	58.50
Baluchistan ...	45	36	4	1,499	182	41.64	55.95	45.50	54.25
United Provinces ...	27	20	7	630	104	31.50	29.32	14.85	16.86
Total ...	312	237	46	14,979	2,498	63.20	67.90	54.30	42.22

IMPERIAL.

TABLE VII.

PRODUCE of DONKEY STALLIONS during 1907-08.

CIRCLE.	DONKEY STALLIONS ACTUALLY EMPLOYED AT STUD.		NUMBER OF MARES COVERED.		RESULT OF PREVIOUS YEAR'S COVERINGS.						AVERAGE PER STALLION.		REMARKS.
	For mule-breeding.	For donkey-breeding.	Pony mares.	Donkey mares.	Pony mares.			Donkey mares.			Pony mares.	Donkey mares.	
					Number of mule produce.	Number not held.	Number not known.	Number of donkey produce.	Number not held.	Number not known.			
	Previous year.	Previous year.	Previous year.	Previous year.							Mule produce.	Donkey produce.	
Rawalpindi	80	25	6,226	1,232	2,156	2,292	1,778	730	214	288	28-20	29-20	
Jhelum Canal Colony	9	4	669	100	131*	440	98	38*	62	...	14-55	9-20	
Chenab " "	43	...	2,138	...	656	2,324	159	...	...	...	15-25	...
Lahore	55	2	4,098	117	915	2,321	862†	11	95	111‡	16-64	5-50	
Baluchistan	37-04	3-06	2,027	166	728	1,260	79	81	81	4	19-49	26-47	
United Provinces	25	7	733	118	173§	474	86	40‡	72	6	6-92	5-71	
Total	249-04	41-06	16,931	1,733	4,759	9,111	3,061	900	524	309	...	...
General average ... ..	...	...	...	...	...	...	...	...	...	...	19-10	21-90

* Includes 44 pony and 15 donkey mares aborted, respectively.
 † Includes 160 died, 370 sold and 44 stolen.
 ‡ Includes 3 died and 4 sold.
 § Includes 26 pony and 12 donkey mares aborted, respectively.

Number of COLTS CASTRATED during 1907-08.

Circle.	HORSE STOCK.		MULE STOCK.		TOTAL.		NUMBER OF DEATHS RESULTING FROM CASTRATION.		REMARKS.
	Year under report.	Previous year.	Year under report.	Previous year.	Year under report.	Previous year.	Year under report.	Previous year.	
Rawalpindi	62	96	31	50	93	146	.....	.....
Jhelum Canal Colony	297	316	4	8	301	324	1	2	
Chenab „ „	89	134	1	8	90	142	1	.....
Lahore	484	503	40	58	524	561	.....	.....
Baluchistan	240	156	8	3	248	159	.....	.....
United Provinces	403	453	54	49	460	502	.....	.....
Deccan ... ..	.....	1	.....	.....	.....	1	.....	.....
Total	1,578	1,659	133	176	1,716	1,835	2	2	

IMPERIAL.

TABLE IX.

Abstract of PRIZES WON BY the PRODUCE OF Government STALLIONS at Horse Fairs during 1907-08.

Class of sires.	Number of sires of each class.	NUMBER OF PRIZES AWARDED.					PROPORTION OF PRIZES TO EACH SIRE.				
		1st Prize.	2nd Prize.	3rd Prize.	Other Prizes.	Total.	1st Prize.	2nd Prize.	3rd Prize.	Other Prizes.	Total.
Thorough-bred English	139	78	90	60	374	602	.56	.65	.43	2.69	4.33
Hackney, Norfolk Trotters, $\frac{1}{2}$ and $\frac{3}{4}$ Bred English	13	1	1	.....	13	15	.08	.08	.....	1.00	1.15
Australian ..	90	53	42	48	250	393	.59	.47	.53	2.78	4.37
Arab ...	187	72	65	64	396	597	.39	.35	.34	2.12	3.19
Stud-bred	4	.....	1	1	6	8	.....	.25	.25	1.5	2.00
Country-bred	19	9	6	6	12	33	.47	.32	.32	.63	1.74



IMPERIAL.

TABLE X.

Abstract of country-bred Remounts purchased during 1907-08.

By whom purchased.	Number purchased.	PEDIGREES.		PERCENTAGE OF PEDIGREES.		REMARKS.
		Furnished.	Not furnished.	Furnished.	Not furnished.	
Army Remount Department ...	779	766	13	98.33	1.67	
Native Cavalry Regiments ...	707	192	515	27.16	72.84	
North-West Frontier Police ...	26	...	26	...	...
United Provinces Police ...	20	...	20	...	...
Punjab Police ...	13	2	11	15.38	84.62	
Baluchistan and Sind Police ...	139	9	130	6.47	93.53	
Imperial Service Troops ...	35	...	35	...	...
Total ...	1,719	969	750	56.37	43.63	

IMPERIAL.

TABLE XI.

Abstract of CASUALTIES of HORSE, PONY, and DONKEY STALLIONS during the year 1907-08.1

Circle.	NUMBER DIED.			NUMBER DESTROYED.			TOTAL.			PERCENTAGE OF CASUALTIES.			REMARKS.
	Horse.	Pony.	Donkey.	Horse.	Pony.	Donkey.	Horse.	Pony.	Donkey.	Horse.	Pony.	Donkey.	
Bawalpindi	4	...	4	1	...	4	5	...	8	17.24	...	6.25	
Jhelum Canal Colony ... ..	...	...	...	2	...	1	2	...	1	2.19	...	7.69	
Chenab Canal Colony	1	...	1	2	...	...	3	...	1	9.37	...	2.38	
Lahore ... ..	...	...	3	2	...	1	2	...	4	3.63	...	6.45	
Baluchistan ... ..	...	...	1	2	...	...	2	...	1	5.26	...	2.38	
United Provinces ... ..	...	...	...	2	...	1	2	...	1	2.81	...	3.12	
Deccan	2	...	...	...	...	...	2	...	...	10.00	...	...
Total	7	...	9	11	...	7	18	...	16	5.34	...	5.01	

NOTE.—The percentages are calculated on stock existing at the beginning of the year under report.

TABLE XI (A).

CASUALTY ROLL of Horse and Donkey STALLIONS 1907-08.

Name.	Class.	Casualty.	Cause of Casualty.
RAWALPINDI CIRCLE.			
HORSES.			
Boots	T. B. A.	Died	Snake bite.
Gymnast	Arab	Do.	Colic.
Wild Irishman	T. B. E.	Do.	Snake bite.
Minstrel boy	T. B. E.	Destroyed	Old and worn out.
Martyr	Arab	Died	Colic.
JHELUM CANAL COLONY CIRCLE.			
Childebent	T. B. E.	Destroyed	Old and worn out.
Oliver Twist	T. B. A.	Do.	Ringbone.
CHENAB CANAL COLONY CIRCLE.			
Quincy	Arab	Do.	Spavined both hind and stock suffering from the same unsoundness have been seen.
Miser	Arab	Died	Colic.
Quadroon	Arab	Destroyed	Very poor stock-getter; no stock by this stallion have been purchased for British Cavalry during the last five years.
LAHORE CIRCLE.			
Riverslea	T. B. A.	Do.	Very bad stock-getter.
Gold Plate	Arab	Do.	Suffering from bursatee ulcers.
BALUCHISTAN CIRCLE.			
Spero	T. B. E.	Do.	Ringbone on hind legs and general debility.
Oakwood Towers	T. B. E.	Do.	Unsuitable stock-getter.
UNITED PROVINCES CIRCLE.			
Hebron	T. B. E.	Do.	Prematurely worn out: a bad coverer.
Lottery II.	T. B. E.	Do.	Old and worn out.
DECCAN CIRCLE.			
Bengal	T. B. A.	Died	Bilious fever and heart failure.
Dumbell	Country-bred	Do.	Lympanitic colic.
RAWALPINDI CIRCLE.			
DONKEYS.			
Ghota	Cyprian	Destroyed	Old and worn out.
Hatras	Catalonian	Do.	Ditto.
Rijhawal	Cyprian	Died	Snake bite.
Balwa	Cyprian	Destroyed	Old and worn out.
Pora	Cyprian	Died	Colic.
Gambirpur	Cyprian	Do.	Hepatitis.
Arcot	Italian	Destroyed	Old and worn out.
Madura	Italian	Died	Colic.
JHELUM CANAL COLONY CIRCLE.			
Ha'isa	Italian	Destroyed	Old and worn out.
CHENAB CANAL COLONY CIRCLE.			
Monk	Country-bred	Died	Fever
LAHORE CIRCLE.			
Ludhiana	Catalonian	Destroyed	Spavined both hocks, light bone.
Mirzapur	Italian	Died	Colic.
Saharanpur	Catalonian	Do.	Spasmodic Colic.
Dighaghat	Catalonian	Do.	Congestion of the lungs.
BALUCHISTAN CIRCLE.			
Moses	Italian	Do.	Colic.
UNITED PROVINCES CIRCLE.			
Kohat	Italian	Destroyed	A bad coverer and stock-getter.

IMPERIAL.

TABLE XII.

Government Horse and Donkey STALLIONS sold during the year 1907-08.

Brand No.	Name.	Class.	Age.	Horse, pony or donkey.	Name of purchaser.	Amount sold for	Cause of sale.
RAWALPINDI CIRCLE.							
145	Questeur	Arab	16 years	Horse	District Board, Jhelum	Rs. A. P. 300 0 0	Very small stock-getter.
BALUCHISTAN CIRCLE.							
187	Kandahar	Arab	12 $\frac{1}{2}$ years	Horse	Major H. R. Cook, Royal Garrison Artillery	440 0 0	Unsuitable stock-getter.
158	Kerbstone	Arab	13 $\frac{2}{3}$ "	Do.	Major A. McConaghey	250 0 0	Ditto.
313	Reeman	Arab	11 "	Do.	Captain A. F. Hislop	415 0 0	Ditto.
26	Joseph	Persian	18 $\frac{1}{2}$ "	Donkey	Lalop, Bunia	40 0 0	Old and worn out.
UNITED PROVINCES CIRCLE.							
106	Aureus	T. B. E.	13 years	Horse	Nawab Asgar Ali	400 0 0	A useless stock-getter.
190	Dumail	Cyprian	10 "	Donkey	Moola	26 0 0	Unsuitable conformation and stock poor.
605	Jafirpur	Country-bred	14 "	Do.	Baldewa	18 0 0	Bad conformation and bad foal getter.
DECCAN CIRCLE.							
398	Ashanti Gold	T. B. E.	7 years	Horse	Mr. Nicholson	1,075 0 0	Slow coverer and sterile.

Return of *BRANDED MARES* for the year 1907-08.

Details.		BRANDED MARES.					REMARKS.
		For horse-breed- ing.	For pony-breed- ing.	For mule-breed- ing.	For Donkey- breeding.	Total.	
Balance on 1st April 1907	...	17,359	2,262	3,885†	...	23,506	
Increase	Branded during the year	2,981	515	288	...	3,734	
	Received by transfer from other districts	577	70	...	...	647	
	Add mares which became over three years of age during the year.	1,436	...	...	...	1,436	
	Total	22,353	2,847	4,123	...	29,323	
Decrease	Died	678	46	106	...	830	
	Sold or transferred to other districts	1,185	195	233	...	1,613	
	Stolen	105	5	6	...	116	
	Struck off the register	635	15	60	...	730	
	Deduct mares under three years of age	1,511	...	...	...	1,511	
	Ditto in Multan district	537	...	...	...	537	
	Total	4,671	261	405	...	5,337	
Balance on 31st March 1908	...	17,682	2,586	3,718	...	23,986	
Rawalpindi Circle	...	1,698	...	...	...	1,698	
Jhelum Canal Colony Circle	...	4,612	...	...	...	4,612	
Chenab " " "	...	2,534	...	2,241	...	4,775	
Lahore Circle	...	3,585	...	...	...	3,585	
Baluchistan Circle	...	2,830	...	...	...	2,830	
United Provinces Circle	...	2,065	1,615	1,477	...	5,157	
Deccan Circle	...	358	971	...	...	1,329	
	Total	17,682	2,586	3,718	...	23,986	

† The discrepancy in the balance on 1st April 1907 is due to the number for the Chenab Canal Colony Circle having been inadvertently omitted.

TABLE XIV.

Abstract of particulars regarding HORSE FAIRS AND SHOWS held during the year 1907-08.

Circle.	Number of Fairs or Shows held.	Total number of animals present.		Total number competing for prizes.		Total number Horse stock (not including branded mares) present.		Number of remounts purchased.				Price paid for remounts.			Number of mules purchased.			Price paid for mules.			Amount allotted for prizes.							
		Year under report.	Previous year.	Year under report.	Previous year.	Belonging to breeders.	Belonging to dealers.	For Remount Department.	For Native Cavalry.	For Police.	Total.	Highest price.	Lowest price.	Average price.	By Government.	By others.	Total.	Highest price.	Lowest price.	Average price.	From Imperial Funds.	From Provincial Funds.	From Local Funds.	From private subscriptions.		Total.	Amount actually awarded.	Number of medals awarded.
																								Rs.	Rs.			
Rawal Pindi ...	2	4,810	4,553	823	730	520	...	21	2	...	23	350	87	165 0 0	73	11	84	325	50	160 0 0	3,200	700	...	...	3,900	3,801	2
Jhelum Canal Colony ...	2	2,611	2,351	1,171	1,254	1,044	20	5	103	4	112	375	35	170 15 0	...	18	18	170	30	105 0 0	4,400	...	243	30	4,073	4,459	8	
Chenab ..	3	11,404	7,827	1,303	1,174	0,931	...	6	26	...	32	275	76	184 10 6	71	73	144	140	33	60 2 0	3,550	1,020	...	...	4,570	4,525	3
Lahore ...	5	16,465	18,236	915	925	4,993	7,174	29	258	...	286	362	155	224 0 0	221	858	1,079	250	54	117 0 0	3,400	1,170	...	...	4,570	4,245	4
Baluchistan ...	6	3,385	4,173	2,932	3,068	1,631	...	39	76	130	253	455	85	211 0 0	72	7	79	310	40	122 0 0	5,750	1,200	8,100	800	15,650	12,545	0	
United Provinces ...	4	5,628	5,173	1,375	1,258	1,436	2,714	24	15	8	47	400	135	200 9 10	11	3	14	165	50	86 14 10	4,650	...	3,250	...	7,900	7,900	4	
Deccan ...	1	629	571	450	571	386	22	3	...	1	4	360	200	208 12 0	...	...	...	...	...	...	1,300	...	1,000	...	2,300	2,300	1
al ...	23	45,052	42,887	9,035	9,589	22,001	9,030	125	480	152	753	485	35	214 4 6	448	970	1,418	325	30	111 8 2	26,250	4,000	12,083	630	49,853	39,050	23	

TABLE XV.

Comparative statement showing results of coverings done during the years 1900-01 to 1906-07.

1901-02.			1902-03.			1903-04.			1904-05.			1905-06.			1906-07.			REMARKS.
Number of mares covered.	Number of foals born.	Percentage of foals born.	Number of mares covered.	Number of foals born.	Percentage of foals born.	Number of mares covered.	Number of foals born.	Percentage of foals born.	Number of mares covered.	Number of foals born.	Percentage of foals born.	Number of mares covered.	Number of foals born.	Percentage of foals born.	Number of mares covered.	Number of foals born.	Percentage of foals born.	
15,056	4,615	26.66	10,962	2,592	23.64	11,164	3,299	29.55	10,920	4,025	36.85	11,606	4,806	41.41	12,210	5,745*	47.45	*Includes 200 stunks.

PROVINCIAL.

TABLE I.

Return of District PONY AND DONKEY STALLIONS for the year 1907-08.

Details.	DISTRICT PONY STALLIONS.			DISTRICT DONKEY STALLIONS.			
	Arab.	Country bred.	Total.	Italian.	Country-bred.	Home-bred.	Total.
Balance on 1st April 1907 ...	112	12	124	4	2	2	8
Increase ... { Purchased in India ...	12	...	12	...	...	...	...
{ By transfer from Army Remount Department.	3	...	3	...	...	...	...
{ By gift ...	3	...	3	...	...	...	...
Total ...	130	12	142	4	2	2	8
Decrease ... { Died ...	1	1	2	...	...	...	...
{ Destroyed ...	1	...	1	...	...	...	...
{ Sold ...	3	...	3	...	...	...	...
Total ...	5	1	6	...	...	...	...
Balance on 31st March 1908 as detailed below :-	125	11	136	4	2	2	8
Rawalpindi Circle ...	22	...	22	1	2	...	3
Jhelum Canal Colony Circle ...	5	4	9	...	...	...	...
Chenab " " " ...	24	2	26	...	...	...	...
Lahore Circle ...	35	4	39	3	...	2	5
Baluchistan Circle ...	1	...	1	...	...	...	...
United Provinces Circle ...	38	1	39	...	...	...	...
Total ...	125	11	136	4	2	2	8

PROVINCIAL.

TABLE II.

Cost of FEED AND KEEP of District STALLIONS during 1907-08.

Circle.	AVERAGE COST PER STALLION PER ANNUM.			
	PONY.		DONKEY.	
	Year under report.	Previous year.	Year under report.	Previous year.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Bawalpindi	289 0 11	233 11 2	149 9 1	139 2 1
Jhelum Canal Colony	308 14 4	289 0 0	...	...
Chenab " "	315 10 8	285 10 8	210 0 0	135 8 0
Lahore	264 7 10	236 7 11	121 3 4	124 7 6
Baluchistan	408 12 4	405 14 3	...	...
United Provinces	210 7 11	215 6 5	...	...
General average	299 0 0	276 3 1	160 4 2	133 5 6

PROVINCIAL.

TABLE III.

SERVICES of District STALLIONS during 1907-08.

Circle.	Stallions on register at end of year.	Stallions actually employed at stud.	Number of mares covered.	AVERAGE OF MARES COVERED PER STALLION EMPLOYED AT STUD.	
				Year under report.	Previous year.
Rawalpindi	22	22	1,661	75.50	66.89
Jhelum Canal Colony	9	9	444	49.33	63.85
Chenab „ „	26	24	1,772	73.83	66.00
Lahore	39	36	2,537	70.47	76.23
Baluchistan	1	1	70	70.00	75.00
United Provinces	39	38	1,160	30.53	33.75
Total	186	180	7,644	58.80	58.83

PROVINCIAL.

TABLE IV.

PRODUCE of STALLIONS during 1907-08.

Circle.	Stallions actually employed at stud.	Number of mares covered.	RESULT OF COVERINGS.			Average of produce per stallion.
			Number of produce.	Number not held.	Number not known.	
Rawalpindi ...	19	1,271	481	476	314	25.82
Jhelum Canal Colony ...	7	447	132	290	25	18.86
Chenab , ...	23	1,518	472	952	94	20.52
Lahore ...	31	2,363	604	1,020	739	19.48
Baluchistan ...	1	75	31	44	...	31.00
United Provinces ,	36	1,215	408	739	68	11.33
Total ...	117	6,839	2,123	3,521	1,240	18.19

PROVINCIAL.

TABLE V.

SERVICES of DONKEY STALLIONS during 1907-08.

Circle.	Stallions on register at end of year.	DONKEY STALLIONS ACTUALLY EMPLOYED AT STUD.		NUMBER OF MARES COVERED.		AVERAGE OF MARES COVERED PER STALLION EMPLOYED AT STUD.			
		For mule-breeding.	For donkey-breeding.	Pony mares.	Donkey mares.	PONY MARES.		DONKEY MARES.	
						Year under report.	Previous year.	Year under report.	Previous year.
Rawalpindi ...	3	1	2	63	170	63.00	57.00	85.00	95.00
Jhelum Canal Colony...	...	...	...	...	...	...	...	...	...
Chenab " " ...	...	...	...	...	...	...	...	...	...
Lahore ...	5	5	...	118	...	23.60	39.60	...	...
Baluchistan ...	...	...	...	...	...	...	...	...	...
United Provinces ...	...	...	...	...	...	...	...	...	...
Total ...	8	6	2	181	170	30.20	42.50	85.00	95.00

PROVINCIAL.

TABLE VI.

PRODUCE of DONKEY STALLIONS during 1907-08.

Circle.	DONKEY STALLIONS ACTUALLY EMPLOYED AT STUD.		NUMBER OF MARES COVERED.		RESULT OF COVERINGS.						AVERAGE PER STALLION.		
	For mule-breeding.	For donkey-breeding.	Pony mares.	Donkey mares.	Pony mares.			Donkey mares.			Pony mares.	Donkey mares.	
					Number of mule produce.	Number not held.	Number not known.	Number of donkey produce.	Number not held.	Number not known.			
Rawalpindi ...	1	2	57	190	23	30	4	76	101	13	23'00	38'00	
Jhelum Canal Colony ...	...	...	...	...	...	...	...	...	...	...	...	...
Chenab "	...	...	...	...	...	...	...	...	...	...	...	...
Lahore ...	5	...	198	...	31	87	80	...	...	...	6'20	...
Baluchistan ...	...	...	...	...	...	...	...	...	...	...	...	...
United Provinces ...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	6	2	255	190	54	117	84	76	101	13	9'00	38'00	

PROVINCIAL.

TABLE VII.

Abstract of CASUALTIES OF STALLIONS during 1907-08.

Circle.	NUMBER DIED.		NUMBER DESTROYED.		TOTAL.		PERCENTAGE OF CASUALTIES.	
	Pony.	Donkey.	Pony.	Donkey.	Pony.	Donkey.	Pony.	Donkey.
Bawalpindi
Jhelum Canal Colony
Chenab
Lahore	...	2	...	...	2	...	6.45	...
Baluchistan
United Provinces	1	...	1	...	2.5	...
Total	...	2	1	...	3	...	2.45	...

NOTE.—Percentages are calculated on stock existing at the beginning of the year under report.

PROVINCIAL.

TABLE VII (A).

CASUALTY ROLL OF STALLIONS during 1907-08.

Brand No.	Name.	Class.	Casualty.	Cause of casualty.	REMARKS.
HORSES.					
Lahore Circle.					
United Provinces Circle.					
2,500	Chitwa	Arab	Destroyed	Old and worn out.	1 Arab and 1 C. B. pony died in the Dera Ghazi Khan district. Details not given by the Deputy Commissioner.

PROVINCIAL.

TABLE VIII.

Abstract SALES OF STALLIONS during 1907-08.

Circle.				Number sold.	Average price realized.	REMARKS.
Lahore	...	...	...	2	Rs. *	* Particulars not furnished by Deputy Commissioner, Amritsar.
United Provinces	...	...	...	1	380	Spavin both hocks.

