

Annual reports

....

United States. War
Dept

CONTENTS.

VOLUME I.

	Page.
ANNUAL REPORT OF THE SECRETARY OF WAR	1-59
Report of the Major-General commanding the Army	61-197
the Adjutant-General to the Commanding General.....	71-97
the Inspector-General.....	98-118
Maj. Gen. O. O. Howard.....	118-124
Brig. Gen. Nelson A. Miles.....	124-132
Col. B. H. Grierson.....	132-137
Brig. Gen. John Gibbon.....	137-139
Maj. Gen. George Crook.....	140-144
Brig. Gen. D. S. Stanley.....	144-146
Brig. Gen. T. H. Ruger.....	146-158
Brig. Gen. W. Merritt.....	159-168
Brig. Gen. John R. Brooke.....	169-176
Col. John G. Parke.....	176-179
Col. John C. Tidball.....	180-193
Col. A. McD. McCook.....	194-197
the Adjutant-General to the Secretary of War.....	199-273
the Acting Judge-Advocate-General.....	275-290
the Quartermaster-General.....	291-593
the Commissary-General of Subsistence.....	595-618
the Surgeon-General.....	619-870
the Paymaster-General.....	871-878
on publication of War Records.....	879-882
of the Board of Commissioners of the Soldiers' Home.....	883-911
United States Military Academy.....	913-920
Superintendent of Public Buildings and Grounds.....	921-924

VOLUME II.

Report of the Chief of Engineers, in four parts.

VOLUME III.

Report of the Chief of Ordnance.

VOLUME IV.

Report of the Chief Signal Officer.

REPORT
OF
THE SECRETARY OF WAR.

WAR DEPARTMENT,
Washington City, November 30, 1888.

To the **PRESIDENT** :

I have the honor to submit the following annual report of the administration of this Department:

EXPENDITURES—APPROPRIATIONS AND ESTIMATES.

The expenditure of appropriations under direction of the Secretary of War, by requisitions upon the Treasury Department, from July 1, 1887, to June 30, 1888, was as follows:

Salaries and contingent expenses	\$1,972,053.97
Military establishment: Support of the Army and Military Academy.	23,337,245.11
Public works, including river and harbor improvements.....	9,158,516.63
Miscellaneous objects	6,697,291.36
Total	41,165,107.07

The appropriations to this Department for the fiscal year ending June 30, 1886, and prior years, and not expended, amount to the sum of \$1,125,357.21; which was carried to the surplus fund June 30, 1888.

The appropriations for the War Department for the present fiscal year ending June 30, 1889, are—

Salaries and contingent expenses	\$1,941,116.60
Military establishment: Support of the Army and Military Academy.	24,072,784.58
Public works, including river and harbor improvements.....	29,218,122.90
Miscellaneous objects.....	4,447,910.19
Total	59,679,934.27

The estimates of the War Department for the fiscal year ending June 30, 1890, are as follows:

Salaries and contingent expenses.....	\$1,978,890.00
Military establishment: Support of the Army and Military Academy.	25,293,372.97
Public works, including river and harbor improvements.....	13,785,234.72
Miscellaneous objects	3,575,009.84
Total	44,632,507.53

In case a general system of permanent posts on the southern border be thought impracticable at present, I would at least urge the building of a new post near San Diego, Cal., somewhere between that point and the Mexican line, and the subsequent abandonment of the barracks in that city. The proceeds of the sale of the Government property in San Diego would go far to provide a suitable reservation for a post.

SUPPLY DEPARTMENTS.

The troops have been well supplied by the Subsistence and Quartermaster's Departments. Attention is invited to the recommendations of the acting inspector general of the Department of Arizona and of the chief commissary of subsistence of the Department of the Columbia, on the subject of "messing" and the soldier's ration. I renew my recommendations of previous years for the improvement of the ration and the enlistment of company cooks.

Horses.—Experience has demonstrated that suitable horses for the cavalry service can not be supplied by contract in the Department of Arizona. Some of the companies are practically dismantled, owing mainly to the failure of these contracts. The cost of nineteen horses bought during the year in open market in Arizona, New Mexico, and Southern California, to apply upon a defaulted contract, was \$189.08 each, not including the local rates of transportation to posts. It will be noticed that good unbroken American horses can be purchased in the neighborhood of Fort Bidwell at from \$80 to \$120 each. The cost of transportation in car-load lots to any point within the division would not, it is estimated, exceed \$15 each. The objection to the purchase of horses unbroken is scarcely of enough importance to prevent giving the system of horse supply urged in former reports a trial; for the majority of the horses now bought by contract must be handled for some time with much care and by an experienced trooper before they become fit for use.

MEDICAL DEPARTMENT.

The health of the troops in the division has been generally good. At a few points, owing to excessive heat and the bad quality of the water supplied, the ordinary percentage of sickness has been exceeded.

The present system, by which division and department commanders are completely divested of authority to locate or change the stations of medical officers, hospital stewards, and the men of the hospital corps, is not, in my judgment, a good one. Certainly these commanders can be sufficiently controlled by their seniors without relieving them from an essential responsibility.

GENERAL SERVICE CLERKS AND MESSENGERS.

The general service clerks, who at any time have abundance of work to perform, seem, by some oversight in the act of Congress which concerns them, to be deprived of one of the privileges that pertain to other enlisted men in the Army, namely, that of being retired with suitable pay. With respect to this, I again recommend such change in the law or regulations as may be necessary to retire them, as follows:

Class 3 with hospital stewards; class 2 with ordnance sergeants; class 1 with quartermaster sergeants; and general service messengers with sergeants of the line.

I.—Statement showing the number of civilians employed by the month and paid by the Quartermaster's Department, etc.—Continued.

DEPARTMENT OF ARIZONA—Continued.

Posts.	Incidental expenses.			Barracks and quarters : Sawyer, \$60.	Army transportation.								
	Watchman, \$60.	Watchman, \$40.	Watchman, \$30.		Blacksmiths, \$80.	Blacksmiths, \$60.	Engineers, \$100.	Engineers, \$90.	Engineer, \$85.	Engineers, \$80.	Engineers, \$75.	Hostler, \$50.	Laborer, \$60.
Headquarters, Los Angeles, Cal	1											1	1
Whipple Barracks, Ariz.....					1		1						
San Carlos, Ariz.....					1								
Fort Apache, Ariz.....					1		1						
Fort Bowie, Ariz.....					1								
Fort Mojave, Ariz.....							1						
Fort Huachuca, Ariz.....					1								
Fort Lowell, Ariz.....					1					1			
Fort Thomas, Ariz.....					1					1			
Fort Grant, Ariz.....					1								
Fort McDowell, Ariz.....					1		1						
Fort Verde, Ariz.....							1						
Santa Fé, N. Mex.....		1	1										
Fort Wingate, N. Mex.....						1					1		
Fort Bayard, N. Mex.....					1	1			1				
Fort Stanton, N. Mex.....						1				1			
Fort Union, N. Mex.....						1							
Total.....	1	1	1	1	9	4	3	2	1	2	2	1	1

Posts.	Army transportation.												
	Laborers, \$50.	Machinist, \$75.	Packers, \$10.	Superintendent of transportation, \$100.	Teamsters, \$50.	Teamsters, \$40.	Teamsters, \$30.	Transportation agents, \$100.	Transportation agents, \$50.	Transportation agent, \$30.	Transportation agent, \$25.	Wheelwrights, \$80.	Wheelwrights, \$60.
Headquarters, Los Angeles, Cal	4				4			2	4				
Whipple Barracks, Ariz.....												1	
San Carlos, Ariz.....				1									
Fort Apache, Ariz.....						2						1	
Fort Bowie, Ariz.....						2						1	
Tucson, Ariz.....								1	1	1			
Fort Huachuca, Ariz.....						4						1	
Fort Lowell, Ariz.....						3							
Fort Thomas, Ariz.....						1							
Fort Grant, Ariz.....						3						1	
Fort McDowell, Ariz.....						3							
Fort Verde, Ariz.....						1							
Santa Fé, N. Mex.....								1	2				
Fort Wingate, N. Mex.....			2										1
Fort Bayard, N. Mex.....													1
Fort Stanton, N. Mex.....													1
Fort Union, N. Mex.....		1											
Total.....	4	1	2	1	4	17	11	4	7	1	1	5	3

Statement of pack-trains maintained and expense of same—Continued.

Post.	Employés.				Total approximate yearly cost of maintaining pack trains.
	Super-intendent.	Packers.	Packmasters and cargadores.	Total yearly cost of employés.	
Fort Assiniboine, Mont.....	Not stated.	\$720.00	Not stated.	\$720.00	\$1,919.53
Fort Custer, Mont.....	do	900.00	do	900.00	2,022.11
Cheyenne Depot, Wyo.....	do	6,380.00	3,840.00	10,220.00	14,071.85
Fort Lewis, Colo.....	do	600.00	480.00	1,080.00	3,595.00
Headquarters Department Arizona.....	\$1,600.00	Not stated.	Not stated.	1,600.00	Not stated.
Fort Apache, Ariz.....	Not stated.	2,400.00	do	2,400.00	Do.
Fort Bayard, N. Mex.....	do	3,600.00	do	3,600.00	Do.
Fort Bowie, Ariz.....	do	2,400.00	do	2,400.00	Do.
Fort Grant, Ariz.....	do	3,600.00	do	3,600.00	Do.
Fort Huachuca, Ariz.....	do	6,000.00	do	6,000.00	Do.
Fort Lowell, Ariz.....	do	3,600.00	do	3,600.00	Do.
Fort McDowell, Ariz.....	do	1,200.00	do	1,200.00	Do.
San Carlos, Ariz.....	do	2,400.00	do	2,400.00	Do.
Fort Stanton, N. Mex.....	do	2,400.00	do	2,400.00	Do.
Fort Thomas, Ariz.....	do	1,200.00	do	1,200.00	Do.
Fort Union, N. Mex.....	do	1,200.00	do	1,200.00	Do.
Fort Verde, Ariz.....	do	1,200.00	do	1,200.00	Do.
Fort Wingate, N. Mex.....	do	6,000.00	do	6,000.00	Do.
Fort Gaston, Cal.....	do	1,720.00	do	1,720.00	4,451.66
Boisé Barracks, Idaho.....	do	Not stated.	do	Not stated.	800.00
Fort Sherman, Idaho.....	do	1,720.00	do	1,720.00	3,060.00
Fort Spokane, Wash.....	do	1,720.00	do	1,720.00	2,543.80
Walla Walla, Wash.....	do	1,720.00	do	1,720.00	4,004.00
Vancouver Depot, Wash.....	do	1,480.00	do	1,480.00	2,451.60

Average contract price of fuel, forage, and straw in the several military departments during fiscal year ending June 30, 1888.

Articles.	Department.							
	East.	Platte.	Dakota.	Missouri.	Texas.	California.	Arizona.	Columbia.
Hard wood, per cord.....	\$4.82	\$6.38	\$4.97	\$6.23	\$3.89	\$13.51	\$6.18	\$4.52
Soft wood, per cord.....	4.74	5.37	5.04	4.85	4.80	4.88	4.06	3.45
Hard coal, per ton, 2,240 pounds.....	5.16	9.92	12.98	10.22	15.31	15.31	5.75	6.00
Soft coal, per ton, 2,240 pounds.....	3.57	7.22	4.48	4.63	10.80	12.36	5.75	1.72
Corn, per 100 pounds.....	1.10	1.37	1.39	.95	1.35	1.35	1.72	1.41
Oats, per 100 pounds.....	1.18	1.77	1.59	1.12	1.74	2.00	2.33	1.46
Barley, per 100 pounds.....						1.66	1.78	.93
Bran, per 100 pounds.....	.98	1.53	1.46	.94	1.47	1.05	1.13	.76
Hay, per 100 pounds.....	.86	.65	.60	.44	.70	.94	.77	.81
Straw, per 100 pounds.....	.76	.63	.33	.47	.61	.87	.54	