

WAR DEPARTMENT

Annual Reports, 1912

(IN FOUR VOLUMES)

Volume I

Reports of

THE SECRETARY OF WAR
THE CHIEF OF STAFF
THE ADJUTANT GENERAL
THE INSPECTOR GENERAL
THE JUDGE ADVOCATE GENERAL
THE QUARTERMASTER GENERAL
THE COMMISSARY GENERAL
THE SURGEON GENERAL
THE PAYMASTER GENERAL
THE CHIEF OF ORDNANCE
THE CHIEF SIGNAL OFFICER
THE CHIEF OF COAST ARTILLERY



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It is the policy of the department to own, where practicable, all railroad tracks on a military reservation, and to give opportunity to all carriers to make connections thereto at the entrance of the reservation.

On account of lack of funds, the construction of a railroad spur-track at the Philadelphia depot and a railroad at the army supply depot, Fort Mason, Cal., had to be put off until the fiscal year 1913.

Grading and drainage.—For the same reason as given under the heading above of "Roads and walks," i. e., the reduction in the appropriation for the fiscal year 1912, no extensive work under these two items could be undertaken.

However, it became necessary to fill and grade the low places in the parade ground at Fort Alouette, S. C., at a cost of \$3,000. At Fort Riley, Kans., it was necessary to repair the banks of the Republican River to keep the same from overflowing the military reservation. The work was done by the Engineer Department, the necessary funds being furnished by the Quartermaster's Department. Actual cost, \$5,593.79.

Water-supply systems.—It became necessary during the year to increase the supply of water at various posts by sinking additional wells, constructing cisterns, installing pipe line, etc. New wells were sunk at Fort DuPont, Del., \$9,000; Fort Howard, Md., \$8,500; Fort Logan, Colo., \$6,330, and 34 cisterns were constructed at Fort H. G. Wright, N. Y., at a cost of \$33,000. To bring water down from Garden Canyon to the post of Fort Huachuca, Ariz., a pipe line approximately 45,000 feet long was constructed at a cost of \$38,186.76. At Fort Leveit, Me., the water-supply system was improved by the construction of a reservoir and tank, \$6,251; pump house and well shelter, \$2,939.99; pumps and machinery, \$4,135; pipe, etc., \$2,092. At Fort Screven, Ga., a 150,000-gallon steel tank and trestle was constructed costing \$11,200, and at Fort Washington, Md., a 60,000-gallon tank and trestle was built at a cost of \$5,240.

Steps were taken to provide the post of Schofield Barracks, Hawaii, with a permanent water-supply system. Seven hundred tons of steel plates to be used in the manufacture of the water pipe line of this system were purchased in the United States at a cost of \$25,200. The constructing quartermaster expended approximately \$30,800 in the manufacture of pipe and constructing a ditch and tunnel for the new system. The work is being done by the purchase of material and hire of labor. The funds required to complete the system will have to be obtained from the appropriation for the fiscal year 1913.

Filtration plants.—At Fort Sheridan, Ill., a filtration plant was installed in the pump-house at a cost of \$15,150. A contract was entered into for the construction of a filtration plant at Fort Omaha, Neb., to cost \$4,907. Two additional Jewell filters were purchased and installed in the pump-house at the Presidio of San Francisco, Cal. *Water distributing systems.*—The more important projects of this kind that were accomplished during the fiscal year 1912 are as

Colo.	\$12,091.00
Ill.	4,531.90
Cal.	3,475.00
Tex.	6,449.00
.....	10,231.45

The consumption of water at many posts was found to be excessive, and with a view to reducing the same approximately 1,000 meters ranging in size from $\frac{1}{2}$ to 1 $\frac{1}{2}$ inches were purchased by the depot quartermaster, New York City, under contract, for installation in various barracks, quarters, hospitals, and other buildings at some of the larger posts. It is believed that by metering these various buildings an accurate check can be kept of the amount of water consumed and that any leakage may readily be detected. These meters have been installed as a test and, if the results warrant it, additional meters will be purchased and installed during the fiscal year 1913.

Sewer systems.—The post sewer system at Fort Bliss, Tex., was connected to the sewer system of the city of El Paso at a cost of \$11,900. For extending the outfall sewer at Fort Crook, Nebr., \$1,399 was authorized. A concrete sewer was constructed at Fort Omaha, Nebr., to take the place of an open ditch; cost, \$12,200. New sewer systems were constructed at Fort Ruger and Schofield Barracks, Hawaii, at a cost of \$7,000 for each.

Sewage disposal.—At Fort McPherson, Ga., a sewage-disposal plant was constructed at a cost of \$23,979. For Batteries Sherwood, Slaughter, and Bahney, at the Presidio of San Francisco, Cal., a small hydrolytic tank was authorized; cost, \$536.

Fire apparatus.—All new fire apparatus and hose required on account of new construction or to increase the apparatus at any post or depot, as well as gasoline fire engines and chemical fire engines to replace such worn-out and condemned engines are considered as a class "D" supply, and requisitions for same are submitted to this office, whence they are sent to the depot quartermaster, New York City, for supply after advertisement.

Repairs to old fire apparatus and new fire apparatus and hose required to replace worn out and condemned apparatus and hose (except gasoline fire engines and chemical fire engines), but in no way increasing or changing the equipment of any post or depot, are considered as class "B and III" and must be provided from the annual appropriation made for the purpose.

During the year new apparatus was purchased at a cost of approximately \$33,000.

Electric lighting systems, power plants, etc.—The total amount expended from the regular supplies appropriation is as follows:

Projects for construction and extension of lighting and power systems.....	\$309,637.36
Purchase of incandescent lamps.....	56,456.86
Central heating systems (small improvements).....	798.84
Oil-burning apparatus.....	29,089.11
Total.....	395,982.17

Purchase of light.—The total amount expended from the appropriation for "Regular supplies" for the purchase of electric current during the year was \$453,150.77.

Pumping and refrigerating plants.—The total cost of work under these heads is as follows:

Pumping plants (from "Water and sewers" appropriation).....	\$130,638.63
Ice and refrigerating plants (from "Regular supplies" appropriation).....	3,389.69
Total.....	134,028.32

Posts and buildings.	Material.	Division of cost.					Total cost for each building.	Total cost for each post.	Status on July 31, 1912.
		Building.		Fixtures.					
		Appropriation.	Cost.	Plumbing.	Heating.	Lighting.			
H. G. Wright, N. Y.:									
Additional work on new quartermaster and ordnance storehouse.		B. & Q., S. C. D.	\$660.28				\$660.28	Completed.	
Addition to commanding officers' quarters.	Brick	do.	540.00				540.00	\$1,200.28	
Huachuca, Ariz.:									
Temporary quarters for civilian employes.	Frame	B. & Q.	1,999.15				1,999.15	Do.	
1 double set officers' quarters.	Stucco	B. & Q., 11 and 12	7,500.00	\$1,000.00			8,500.00	Nearly completed.	
1 Cavalry stable (70 horses).	Frame	do.	4,500.00				4,500.00	Completed.	
Jackson Barracks, La.:									
Barrack for 1 company Coast Artillery.	do.	B. & Q., S. C. D.	18,401.00				18,401.00	Expires Nov. 20, 1912.	
Mess hall.	do.	do.						Do.	
Lavatory.	do.	do.	6,000.00				6,000.00	Do.	
Building for storeroom, lavatory, etc.	do.	C. & R. H.	18,888.00				18,888.00		
			1,346.49				1,346.49	34,635.49	
Jefferson Barracks, Mo.:									
Completion of mess hall.				1,277.00	\$4,545.00	\$1,556.00	7,378.00	7,378.00	Completed.
Kamehameha, Fort, Hawaii:									
Temporary quarters for ordnance sergeant.	Frame	S. C. D., P. I. & H.	364.09				364.09	364.09	
Key West Barracks, Fla.:									
Building for shops, tool house, etc.	do.	B. & Q., S. C. D.	400.00				400.00		
Shed for corral.	do.	do.							
Leavenworth, Fort, Kans.:									
Hangar for Signal Corps.	do.	do.	75.00				75.00	475.00	
Shed for bakery motor.	do.	B. & Q.	1,485.00				1,485.00		
Leavenworth, Fort, Military Prison, Kans.:									
Material and labor for continuing construction of prison.	Brick	M. P., Fort Leavenworth.	62.35				62.35	1,547.35	Do.
Reconstruction and repair of guards' barracks and administration building.		B. & Q.	58,245.18	500.00	120.00	200.00	60,065.18	60,065.18	(?)

Letterman General Hospital, Cal.:		C. & R. H.		3,793.00						
Plumbing in officers' ward (constructed from funds fiscal year 1911).		do.								
Hydrotherapeutic apparatus in same.		do.	2,460.00							
Vacuum cleaning machinery in same.		do.	650.00							
Hot water main for same.		do.			130.95					
Additional tiling in same.		do.	1,407.75					8,441.70		
Plumbing and heating in isolation hospital (constructed funds fiscal year 1911).		do.		2,465.00	1,597.00			4,062.00	Completed.	
Toilet rooms in wards, etc.		do.	5,110.00	2,823.00	155.00	* 224.00		3,202.00	Do.	
Addition to garbage crematory.		do.	230.00					230.00		
Kitchen building.	Concrete and frame.	do.	13,860.34	2,966.00	402.00	* 789.00		18,017.34		
Addition to power house.	Brick	do.	3,712.00	300.00		* 30.00		4,042.00	37,995.04	
McDowell, Fort, Recruit Depot, Cal.:										
Completion of hospital building.		do.	9,700.00					9,700.00		
Labor for construction of buildings authorized in two previous years.		B. & Q.	5,000.00					5,000.00		
Cooking apparatus in new mess hall.		R. S.						8,645.00		
Rooms in basement of new mess hall for offices, etc.		B. & Q.	1,168.10	374.26	167.23	75.00		1,784.49	25,129.49	
McKinley, Fort, Mo.:										
Vagon shed.	Frame	B. & Q., S. C. D.	3,200.00					3,200.00	3,200.00	Do.
McPherson, Fort, Ga.:										
Lavatory building.	do.	B. & Q.	1,150.00					1,150.00	1,150.00	Do.
Mackenzie, Fort, Wyo.:										
2 water-closets.	do.	do.	200.00	135.00				335.00	335.00	
Mason, Fort, Supply Depot, Cal.:										
Dolphins at corners of transport wharves.		Special	3,310.00					3,310.00		
Electric lighting and constructing temporary office.		do.	1,535.00					1,535.00	Do.	
Shelter on dock for passengers.		B. & Q.	500.00					500.00	Do.	
Architectural services.		Special	6,507.42					6,507.42		
Conduits from new storehouses, etc.		R. S.	1,200.00					1,200.00	13,052.42	
Monroe, Fort, Va.:										
Converting old artillery school building into quartermaster and engineering storehouse.	Brick	B. & Q., S. C. D.	1,997.00	127.00				2,024.00	Do.	
Converting forage house into office, etc.	do.	B. & Q.	1,240.25	164.95		102.65		1,507.60		
Addition to hospital.	do.	C. & R. H.	16,953.58	2,000.00	3,200.00	* 244.00		22,397.58	25,929.18	Expires Feb. 10, 1913.

* Includes plumbing, heating, and wiring.

* Includes wiring, \$180, and fixtures, \$44.

* Electric fixtures only.