

A TABLE OF THE SPECIFIC GRAVITIES OF BODIES.

BAROMETER, 30 INCHES; FAHRENHEIT'S THERMOMETER, 60°.

(From the Works of Drs. Thompson, Young, and Ure.)

Platinum.....	22.069	Nitre.....	1.900
Gold.....	19.360	Ivory.....	1.825
Quicksilver.....	13.568	Brimstone.....	1.810
Lead.....	11.352	Coal.....	1.250
Silver.....	10.474	Boxwood.....	1.030
Copper.....	8.878	Sea Water.....	1.026
Brass.....	8.396	Common Water.....	1.000
Steel.....	7.833	Oak (English).....	.760
Iron (cast).....	7.645	Walnut.....	.671
Tin.....	7.320	Cedar.....	.613
Glass (crystal).....	3.150	Elm.....	.600
Granite.....	3.000	Willow.....	.585
Marble (Parian).....	2.838	Fir.....	.550
Flint.....	2.570	Poplar.....	.383
Brick.....	2.000	Cork.....	.240

NOTE.—The several sorts of wood are supposed to be dry.

THE ARMY OF THE UNITED STATES.

The Army of the United States consists of the following forces in officers and men:

	Officers.	Enlisted men.
Ten cavalry regiments.....	434	6,882
Five artillery regiments.....	283	2,403
Twenty-five infantry regiments.....	881	10,530
Engineer battalion, recruiting parties, ordnance department, hospital service, Indian scouts, West Point, Signal detachment, and general service.....	551	3,781
Total.....	2,149	23,596

For convenience, and to fix responsibility, the country is divided into three military divisions, each with several departments, as follows:

1. Military division of the Missouri, commanded by Lieut.-General Philip H. Sheridan, head-quarters Chicago; comprehends the departments of the Missouri (General John Pope); Texas (General C. C. Auger); Dakota (General A. H. Terry), and the Platte (General George Crook). There are eight regiments of cavalry and eighteen of infantry in this division.

2. Military division of the Atlantic, commanded by Major-General Winfield S. Hancock, head-quarters New York. Includes department of the East (General Hancock); department of the South (Colonel H. J. Hunt, Newport Barracks, Ky.) There is also the department of West Point, commanded by Brig.-General O. O. Howard. This division includes four regiments of artillery and three of infantry.

3. Military division of the Pacific, commanded by Major-General Irvin McDowell, head-quarters San Francisco. Includes departments of California (General McDowell); the Columbia (General Nelson A. Miles); Arizona (General O. B. Wilcox), comprises one regiment of artillery, two of cavalry, and four of infantry.

The maximum military force allowed under existing laws is 2,155 commissioned officers and 25,000 enlisted men. The report of the General of the Army exhibits the actual number in service as 2,149 officers and 23,596 enlisted men, October 25, 1881. The following table exhibits the number in each rank of the army:

Colonels, 66; lieutenant-colonels, 85; majors, 244; captains, 607; adjutants, 40; regimental quarter-masters, 39; first lieutenants, 567; second lieutenants, 446; chaplains, 34; store-keepers, 21; total, 2,149. The enlisted men embrace 38 sergeant-majors, 40 quarter-master sergeants, 638 musicians, 215 trumpeters, 9 saddler sergeants, 114 ordnance sergeants, 181 hospital stewards, 148 commissary sergeants, 420 first sergeants, 1,999 sergeants, 1,575 corporals, 219 farriers, 64 artificers, 115 saddlers, 55 wagoners, and 17,162 privates; total 22,992. Besides these there are employed in the Signal Corps 495 non-commissioned officers and privates; Military Academy, 8 professors, 172 cadets, 191 enlisted men; total, 371.

The number of retired army officers is 397; number of privates discharged during the fiscal year 1881, 6,564; number died during same period, 248; number deserted, 2,361; number enlisted and reenlisted, 5,769.

TOTAL COTTON PRODUCTION AND AVERAGE PRODUCT PER ACRE.

From the Tables of the Tenth Census, 1880—(Crop year, 1879.)

States, in Order of Production.	POPULATION.			COTTON PRODUCTION.	
	Total.	White.	Colored.	Acres.	Bales.
1 Mississippi.....	1,131,592	479,371	652,221	2,093,330	955,808
2 Georgia.....	1,542,180	816,906	725,274	2,617,138	814,441
3 Texas.....	1,592,574	1,197,499	395,076	2,173,732	803,642
4 Alabama.....	1,262,595	662,185	600,320	2,330,686	699,654
5 Arkansas.....	802,525	591,531	210,994	1,042,976	608,256
6 South Carolina.....	995,577	391,105	604,472	1,364,249	522,548
7 Louisiana.....	939,946	454,954	484,992	804,787	508,569
8 North Carolina.....	1,399,750	867,242	532,508	893,153	389,598
9 Tennessee.....	1,542,463	1,139,120	403,343	722,569	330,644
10 Florida.....	269,493	142,605	126,888	245,595	54,997
11 Missouri.....	2,168,804	2,023,568	145,236	32,711	19,733
12 Indian Territory.....	35,000	17,000
13 Virginia.....	1,512,565	880,858	631,707	24,000	11,000
14 Kentucky.....	1,648,690	1,377,179	271,511	2,667	1,367
Total.....	16,808,644	11,024,123	5,784,541	14,441,993	5,737,257

	AVERAGE PRODUCT PER ACRE, IN POUNDS.				TOTAL IN TONS.	
	Fraction of bale (475 lbs.)	Seed Cotton.	Lint.	Cotton Seed.	Lint.	Cotton Seed.
Mississippi.....	0.46	641	217	434	227,004	454,009
Georgia.....	0.31	444	148	296	193,430	386,859
Texas.....	0.37	528	176	352	190,805	381,730
Alabama.....	0.30	429	143	286	166,168	332,336
Arkansas.....	0.58	831	277	554	144,461	288,922
South Carolina.....	0.38	546	182	364	124,105	248,210
Louisiana.....	0.59	837	279	558	120,785	241,570
North Carolina.....	0.44	621	207	414	92,530	185,059
Tennessee.....	0.46	651	217	434	78,528	157,056
Florida.....	0.22	318	106	212	13,062	26,124
Missouri.....	0.60	861	287	574	4,687	9,373
Indian Territory.....	0.49	693	231	462	4,037	8,075
Virginia.....	0.46	654	218	436	2,612	5,225
Kentucky.....	0.51	729	243	486	325	649
Total.....	0.40	567	189	378	1,362,599	2,725,197