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Artillery-Coast Artillery

U.S. COAST ARTILLERY

A Working Bibliography of MHI Sources

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Description of records at National Archives, DC.

_____. Returns From Regular Army Coast Artillery Corps Companies, Feb 1901-June 1916. Wash, DC: NARS, 1969. 13 p. UF604.R47Guide.

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Arthur, Robert. The Coast Artillery School, 1824-1927. Ft. Monroe, VA: Coast Artillery School Press, 1928. 152 p. U421.3.A1.A77.

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U.S. Army. Chief of Coast Art. Artillery Bulletins. Wash, DC, 1906-17. UF453.A3. With subject indices.

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Gregory, V.J. Keepers at the Gate. Port Townsend, WA: Port Township, 1976. 368 p. F897.P9.G7.

McClellan, Phyllis I. The Artillerymen of Historic Fort Monroe, Virginia. Bowie, MD: Heritage, 1991. 256 p. UA26.M56.M33.

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Platt, W.P. Coast Artillery Materiel. Kansas City, MO: Hudson, 1916. 170 p. UF653.P5.

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U.S. War Dept. Coast Artillery Ammunition: TM 4-205, dated Feb 1940. 102 p. MilPub-TM.

_____. Gunners' Instruction, 6-Inch Gun (Disappearing Carriage).... Ft Monroe, VA, 1914. 91 p. UF593.A3.J8.

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U.S. War Dept. Description of the Twelve-Inch B.L.R. Mortar and Instructions for Its Care. Wash, DC: GPO, 1900. 13 p., 3 plates. UL303.A752.D47.

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U.S. War Dept. Instructions for Mounting, Using, and Caring for Disappearing Carriage, L.F., Model of 1896, for 12-inch B.L. Rifles, Models of 1888 and 1895: No 1695. Wash, DC: GPO, 1904. 44 p., 17 plates. UL350.3.I582.

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Ordnance Memorandum No 16.

HOT SHOTS

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Instruction for Heavy Artillery: Prepared by a Board of Officers, for the Use of the Army of the United States. Wash, DC: Gideon, Printers, 1851. pp. 96-100. UF467.A3.

Kahler, Herbert E., & Crowe, F. Hilton. Hot Shot Furnaces. Wash, DC: NPS, 1941? 10 p. E173.U624no7.

Ordnance Manual for the Use of the Officers of the United States Army. 2d ed. Charleston: Evans & Cogswell, 1861. pp. 374-75. UF523.A15.

Ripley, Warren. Artillery and Ammunition of the Civil War. NY: Van Nostrand Reinhold, 1970. pp. 68-69 & 257-58. UF23.R562.

Includes distant photograph of hot-shot furnace Ft. Sumter, SC and close-up, exterior view of one at Ft. Moultrie, SC.

RODMAN COASTAL GUNS

Barnard, J.G. Notes on Sea-coast Defence.... NY: Van Nostrand, 1861. 110 p. UG445.B37.
See pp. 32-60 on the 15-in gun.

Birnie, Rogers. The Manufacture of Coiled Wrought-iron Tubes, for the Conversion of 10-inch Rodman Smooth-bore Guns Into 8-inch Rifles. n.p., 1884. 32 p. UL170.B57.

Birkhimer, William E. Historical Sketch of the Organization, Administration, Materiel and Tactics of the Artillery, United States Army. Wash, DC: Chapman, 1884. pp. 283-84. UA30.B57.

Cullum, George W. Biographical Register of the Officers and Graduates of the U.S. Military Academy.... Vol. II. Boston: Houghton, Mifflin, 1891. pp. 66-71. Ref.
On Thomas J. Rodman.

"Fort Hancock Now has Rival for Old Gun 40 at Fort Monroe." Coast Artillery Journal (Mar/Apr 1937): p. 142. Per.
On 20" Rodman gun.

Ripley, Warren. Artillery and Ammunition of the Civil War. NY: Van Nostrand Reinhold, 1970. 384 p. UF23.R562.

Rodman, T.J. Reports of Experiments on the Properties of Metals for Cannon, and the Qualities of Cannon Powder... Boston: Crosby, 1861. 298 p., charts. UL170.R62.

COLUMBIADS

Fant, Glenn E. "Maj. Barnhard's Magnificent Folly." Army (Dec 1979): pp. 50-52. Per.
15" columbiad.

Lewis, Emanuel R. "The Ambiguous Columbiads." Military Affairs (Fall 1964): pp. 111-22. Per.

ZALINSKI PNEUMATIC DYNAMITE TORPEDO GUN, 1890s

Capt Edmund Louis Gray Zalinski, credited with developing and perfecting the pneumatic dynamite torpedo gun, served in the 5th U.S. Artillery Regiment from 1866 until his retirement for disability in February 1894. From 1883 to 1888, he served with various batteries of the regiment at Fort Hamilton, and then went to Washington, DC for consultations with the Chief of Ordnance and Chief of Engineers. Afterwards he lectured at the Naval Torpedo Station and Naval War College at Newport, Rhode Island. In 1889, he traveled to Europe to gather military information, returning in 1892 to garrison duty with a battery of the 5th Artillery stationed at the Presidio of San Francisco, California. Soon thereafter he went on extended disability leave. Because he retired in 1894, his continued work with the dynamite gun may have been done in a private capacity. Although retired, he was promoted to Major in 1904. See:

Army and Navy Journal. (13 Mar 1909): p. 784. Per.
Obituary.

Hansen, David M. "Zalinski's Dynamite Gun." Technology and Culture (Apr 1984): pp. 264-79. Per.

New York Times (11 Mar 1909): p. 9, col 5. Microfilm.
Obituary confuses date of Zalinski's retirement with his promotion to Major.

U.S. Army. 5th Artillery Regiment. Register of the Commissioned Officers of the Fifth Artillery.
Ft. Hamilton, NY, 2 Feb 1901. #203-5.1901.
See station lists of batteries, pp. 21-35.

U.S. War Dept. Army Registers, 1883-1905. U11.U5.O22.
See especially 1905, p. 373.

_____. Special Orders, 1883-94. MilPub-SO.
See especially 1886 #21, Para 21; 1888 #272, Para 18; 1889 #99, Para 15; 1889 #178,
Para 3 & 1892 #39, Para 5.

Who Was Who in American History--The Military. Chicago: Marquis Who's Who, 1975. pp. 651-52.
Ref.

A three-gun battery of pneumatic dynamite torpedo guns was installed at Sandy Hook, NJ, in 1894. Another three-gun battery was placed at Fort Winfield Scott, CA, the next year. Both batteries underwent successful trials. In 1898, according to that year's report of the Chief of Ordnance, the Ordnance Department "placed in serviceable condition the pneumatic-gun batteries at the ports of New York and San Francisco." Two additional batteries of the pneumatic guns were also reported in the process of being manufactured. Three years later, in 1901, the Ordnance Department awaited completion of two 15" pneumatic dynamite guns at Fishers Island, NY, and Hilton Head, SC. For further details on the guns, see:

U.S. Ordnance Department. Reports of the Chief of Ordnance, 1890-1901. UF520.3.A15.
See 1890, pp. 364-65; 1894, p. 42; 1895, p. 48; 1896, pp. 27-29 & 44; 1898, p. 42;
1900, pp. 255-56; 1901, pp. 697-98. Also see specifications found in 1896, pp. 321-24
& plate and 1890, pp. 366-98 & 22 plates.

Information on the contracts for the gun appears in Collection of Ordnance Reports..., Vol. III (Wash, DC: GPO, 1901; UL23.A234), pages 393-97. Additional information on the Zalinski guns appears in the following sources:

Army-Navy Journal (1894): pp. 879 & 892. Per.
Reports on trials at Sandy Hook, NJ.

Carman, W.Y. A History of Firearms, From Earliest Times to 1914. London: Rutledge & Kegan Paul, 1955. p. 155. U880.C37.
British Army tested a Zalinski gun.

Dynamite Guns--United States. Journal of the United States Artillery (Oct 1894): pp. 733-37. Per.
Pertinent extracts from other periodicals.

Farrow, Edward S. Farrow's Military Encyclopedia. Vol. 1. NY: Military-Navy Pub, 1895. pp. 521-22. U113.F24.

Hogg, Ian, & Batchelor, John. Artillery. NY: Scribner's Sons, 1972. pp. 11, 19 & 21. UF15.H54.
British Army's acquisition and testing of Zalinsky gun, 1890-93, plus provides brief information on U.S. Army and Navy developments.

Zalinsky, E.L. "Torpedo Guns Afloat and Ashore." Journal of the United States Artillery (Sep/Oct 1898): pp. 189-95. Per.

Reprinted from Cassier's Magazine, Sep 1898.

Some evidence of experimental use of a dynamite gun appears in a Philippine Insurrection unidentified memoir:

"The Dynamite Guns." The American Oldtimer (Mar 1940): p. 69. Per.

The U.S. Navy showed interest in pneumatic guns during the 1890s and, in fact, equipped its "dynamite" cruiser Vesuvius with Zalinsky guns. The trials of the Vesuvius received comment in Army-Navy Journal (1892-93), p. 297 and p. 447.