BEAVER, PA.—Plans have been submitted to the Borough Council for the construction of a municipal electric light plant. Two separate estimates were submitted, one to cost \$49,200, and the other for \$56,400. The first plan submitted showed operating expenses of \$9,470 and earning capacity of \$11,932, and the second the cost of operating \$10,605 and earning capacity of \$13,825. The report was referred to the Light Committee and the Ordinance Committee.

WASHINGTON, D. C .- Bids were opened as follows on May 21 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for additions to power plant and distributing systems, Naval Medical School building, Wasnington: Carnahan & Maguire, 1420 New York Ave., Washington, Item (1) \$54,800, (2) \$500, (3) \$500; The Norman A. Hill Engineering Co., 150-3 Sansom St., Philadelphia, Pa., Item (1) \$40,400, (2) \$400; Boyle-Robertson Construction Co., 305 Union Trust Bldg., Washington, Item (1) \$38,773, (2) \$385, (3) \$500; Upton Smoot Construction Co., 302 F St. N. W., Washington, Item (1) \$36,500, \$475 deduct, \$500 deduct, \$800 deduct, (2) \$350, (3) \$210; James E. Leamy & Co., Larned Bldg., Syracuse, N. Y., Item (1) \$47,198, (2) \$590, (3) \$130; John W. Danforth Co., 227 Colorado Bldg., Washington, Item (1) \$33,969, \$150 deduct, \$700 deduct, (2) \$700, (3) \$150; D'Olier Engineering Co., 121 So. Eleventh St., Philadelphia, Item (1) \$39,700, (2) \$1,050, (3) \$278; Standard Engineering Co., 613 15th St., Washington, Item (1) \$33,785, (2) \$350, (3) \$400; McCay Engineering Co., 9 E. Lexington St., Baltimore, Md., Item (1) \$35,400, \$36,400, (2) \$300, (3) \$800.

CLINTON, N. C.—The Sampson Power Co., lately incorporated with a capital stock of \$10,000, has secured a site and will erect a power plant with headquarters in Clinton. C. W. Petty, B. P. Smith and others are interested.

ATLANTA, GA.—The Atlanta Hydroelectric Co., Candler Bldg., Atlanta, Ga., has been incorporated for the purpose of constructing a 25,000-HP. hydroelectric plant on the Tugaloo River, requiring a dam 700 ft. long and 120 ft. high, and a transmission line 92 miles long. Louis B. Magid is Pres. DONALDSONVILLE, GA.—See item under

Water Supply-Irrigation.

DALTON, GA.—See item under Water Supply-Irrigation.

WARRENTON, GA.—The citizens on May 10 voted to issue \$12,000 of bonds for the installation of an electric lighting system.

MILTON, FLA.—The city proposes to construct an electric light plant from plans of Solomon Norcross Co., of Atlanta, Ga. Estimated cost, \$40,000. H. W. Clark is Mayor.

DANVILLE, KY.—We are officially advised that the Ambursen Hydraulic Construction Co., 176 Federal St., Boston, Mass., is preparing plans for a small water-works

DAYTON, OHIO.—The Board of Control has awarded contract for street lighting to the DAYTON LIGHTING CO. for a term of ten years, under the terms of which the company is to furnish arc lamps at \$66 per lamp per year. At present the street lighting system consists of about 800 lamps.

WILLOUGHBY, OHIO.—The town has decided to abandon its municipal electric light plant and has awarded to the CLEVELAND. PAINESVILLE & EASTERN TRACTION CO. a 10-year franchise and a contract for street lighting. The traction company is installing transformers and as soon as the work is completed electricity will be furnished for both street and residential lighting.

cynthiana, ind.—The citizens have voted to install an electric light system. Electricity for operating the system will be supplied from Poseyville, four miles away, and it is expected that the farmers living along the road will utilize the service for lighting purposes.

thave authorized the City Council to let a contract for the erection and equipment of a new electric light and power plant. Estimated cost, \$100,000.

NEWTON, IOWA.—Bids will be received until June 9 by Frank Sellman, County Audr., for installing electric light fixtures in the new county court-house.

MONTICELLO, IOWA.—The Electric & Water Supply Co. is arranging for extensive additions to its plant, and proposes to increase the capital stock to \$30,000 and to issue bonds for \$100,000 to provide funds for the development of the upper dam.

OAKLAND, IOWA.—It is proposed to construct an electric light plant here. Estimated cost, \$15,000. H. W. Stevens, of Oakland, is Engr.

OMAHA, NEB.—Bids, in triplicate, will be received until 11 a. m., June 10, by Capt. F. C. Bolles, Q. M., U. S. A., Omaha, for installing a steam heating plant in the storehouse at Omaha Depot.

MILFORD, NEB.—See item under Water Supply-Irrigation.

WAHPETON, N. DAK.—Bids are asked until 2 p. m., June 14, by R. G. Vatentine, Comr. Indian Affairs, Washington, D. C., for a complete steam-heating plant at Wahpeton School.

FORT LOGAN H. ROOTS, ARK .- The following bids were opened on May 10 by the Constructing Quartermaster for an electric lighting system: (a) constructing transmission, primary secondary service connection, (b) wiring building and installing fixtures, (c) furnishing wattmeters and transformers, (d) tungsten street lamps, etc., (e) constructing substation: F. E. Newberry Electric Co., St. Louis, Mo. (a) \$9,281, (b) \$10,279, (c) \$1,312, (d) \$1,335, (e) \$800; General Electric Co., St. Louis, (a) \$1,261; Westinghouse Elec. Mfg. Co., Baltimore, Md., (c) \$1,198, (d) \$1,486; Southwestern Electric Equipment Co., Little Rock, Ark. (b) \$4,589; McCay Engineering Co., Baltimore, Md. (c) \$1,289.

BROWNSVILLE, TEX.—We are officially advised that the city proposes to make improvements to the light and water plant. M. C. Hanson is City Engr.

SPUR, TEX.—E. P. Swenson will install an electric light plant at Spur. The contract has been let to J. E. JOHNSON, of Stamford, Tex.

TERRELL, TEX.—The city will install additional dynamos in its electric light and power plant. The plant is now furnishing day and night light and power service.

FORT CROCKETT, TEX.—Plans and specifications are on file at the office of Engineering News, New York, for the construction of an electric lighting system here. Bids are asked until May 31.

SANTA FE, N. MEX.—The articles of incorporation of the San Luis Power & Water Co., of Costilia, Taos County, have been filed in the Territorial Secretary's office here. It has a capital stock of \$1,000,000. The incorporators are: H. Alexander Smith, George Bierbrauer and Michael B. Hurley, all of Colorado Springs, Colo. The Board of Directors is as follows: Franklin E. Brooks, Gerald Hughes, Fred. Hughes, Fred. C. Moffat, Horace G. Lunt and H. Alexander Smith. The company is authorized to operate in Taos County, and in El Paso County, Colo.

SEATTLE, WASH.—R. H. Thomson, City Engr., has estimated the cost of cluster lights in various streets as follows: West-lake Ave. and other streets, \$14,000; Stewart St. and other streets, \$9,600; Third Ave. and other streets, \$21,000.

MEDFORD, ORE.—The Rogue River Water & Power Co. is preparing to make extensive extensions and improvements to its property, to cost about \$100,000. The plans call for the construction of a power plant on the Gold Hill canal, for which surveys have been made.

PORTLAND, ORE.—The Ambursen Hydraulic Construction Co., 176 Federal St., Boston, Mass., through their associate engineers, the Puget Sound Bridge & Dredging Co., will break ground in a few days for the construction of a dam 86 ft. high in the rollway, 100 ft. high in the bulkhead and 680 ft. long, across the Clackamas River, in Oregon, for the Portland, Ry., Lt. & Power Co. This includes also a large power-house. The consulting engineers for the owners are Sellers & Rippey, of Philadelphia.

ROSEVILLE, CAL.—The city has voted to issue \$90,000 of bonds for the construction of a municipal electric light plant, sewer system and a bridge across Dry Creek.

STOCKTON, CAL.—The Board of Supervisors has awarded contract for installing the lighting system around the court-house to the RUHL GOODELL CO., at \$3,300.

SAN FRANCISCO, CAL.—The United Light & Power Co. has been incorporated with a capital of \$6,000,000 to manufacture gas and electricity for lighting purposes. The incorporators are Alired Sutro, San Francisco; F. D. Madison, San Rafael; William T. Barnettt, Berkeley, and others.

The Southside Light & Power Co. has been incorporated with a capital of \$1,000,000 by James Fisher, Berkeley; Fred. G. Cartwright, San Francisco; E. R. Hough, Kentfield, and others.

SAN FRANCISCO, CAL.—The Pacific Power Co. was incorporated on May 11 with an authorized capital stock of \$1,000,000. A. E. Anderson, James McNab and George W. Hendry are the directors. The articles allow the concern to operate water and power plants anywhere in the state.

MARYSVILLE, CAL.—The Pacific Gas & Electric Co. is considering plans for improvements to its local gas plant at Fourth and Yuba Sts., including a new boiler as an auxiliary to the present one. The company is extending its electric transmission lines farther into Sutter County and other surrounding territory.

LOS ANGELES, CAL.—Plans are being prepared in the engineering offices of the Southern California Edison Co. for a \$2,-000,000 power plant to be erected by the company at Long Beach, to be two buildings, one 300 x 80 ft. and 90 ft. high, the other 80 x 50 ft., of reinforced concrete, steel roof trusses, Spanish tile roofing and pile foundation. Work will be done by contract. Plans will be ready in 30 days. W. A. Brackenridge is Gen. Mgr.

REDONDA BEACH, CAL.—The Pacific Light & Power Co. has awarded contracts as follows: To C. LEONARDT, Hellman Bldg., Los Angeles, for reinforced concrete chimney 126 ft. high, at \$4,900; to J. H. MARTIN CO., Stimson Bldg., Los Angeles, for a reinforced-concrete boiler room 100 × 300 ft. and 90 ft. high, at \$28,800.

PROVO CITY, UTAH.—We are officially advised that Louis C. Kelsey, C. E., 402 Dooly Bldg., Salt Lake City, Utah, has been employed as consulting engineer for the city in the proposed hydroelectric plant. Estimated cost, \$110,000.

\*IDAHO FALLS, IDAHO.—Bids will be received at the office of the City Clerk until 3 p. m., June 17, for furnishing materials and constructing hydroelectric plant and pumping station. Plans may be seen and specifications, forms for contract and bond may be obtained upon application at the office of the City Clerk or Louis C. Kelsey, C. E., 402 Dooly Bldg., Salt Lake City, Utah.

LLOYDMINSTER, SASK.—The by-law passed by the City Council granting an 8-year franchise to W. Johnson to operate an electric light plant in Lloydminster has been ratified by the ratepayers.

ESTAVAN, SASK.—A by-law authorizing the expenditure of \$25,000 for the construction of a municipal electric light plant has been voted by the ratepayers.

PARRAL (CHIHUAHUA), MEX.—E. Lindblom has obtained a concession from the State Government for an electric light and power plant and a telephone system which he will install in the city of Parral. The concession runs for a period of ten years.

Exemptions from state and municipal taxes during that period are provided for in the concession.

ert S. Towne and associates who are operating the Flojonales copper mines in this district will install a hydroelectric plant on the Ixmiquilpan River, near here. The proposed plant will have a capacity of about 20,000 HP. and the electrical energy will be transmitted to the mines and mill. It will also be used to operate other industries, including an electric railway that the Towne interests contemplate constructing from Encarnacion to the station of Sayula on the National Railways of Mexico.

## BRIDGES.

(\* denotes that this work is advertised in Engineering News.)

HUDSON, N. H.—The town on May 14 voted to co-operate with the city of Nashua in the construction of a reinforced concrete bridge, 30 ft. wide, with a 6-ft. sidewalk, between Hudson and Nashua. Estimated cost, \$80,000.

NASHUA, N. H.—Bids will be received by E. O. Hathaway, City Engr., until 7.30 p. m., June 6, for the construction of a reinforced-concrete bridge 500 ft. long over the Merrimack River.

WALTHAM, MASS.—Bids are asked at once by the city for the construction of a new bridge between Weston and Waltham. Betram Brewer is City Engr.

WATERBURY, CONN.—Bids have been received as follows by the Board of Public Works for the construction of a bridge over Sled Hall Brook: (a) trap rock; (b) Weymouth Rock: J. S. Barbara, Waterbury, (a) \$3,669, (b) \$3,927; J. W. Gaffney & Sons, Waterbury, (a) \$5,229, (b) \$5,349; Chatfield & Chatfield, Waterbury, (a and b) \$5,331; A. Johnston Building & Construction Co., Waterbury, (a) \$5,625, (b) \$6,505.

ST. GEORGE (S. I.), N. Y.—The Municipal Art Commission of New York on May 11 approved the plans for a steel viaduct, to cost \$43,570, between the ferry terminal and Jay St., St. George. It will be 60 ft. wide, and will carry trolleys and passengers across the Baltimore & Ohio R. R. tracks, coming out in front of the Borough Hall of Richmond.

MASSENA, N. Y.—Bids will be received by Barney S. O'Neill, Chn. Town Com., until June 4 for furnishing material and constructing complete a 600-ft. highway suspension bridge over River De Grasse, Massena Center. H. D. Robinson, 2 Rector St., New York, is Engr.

SYRACUSE, N. Y.—Bids will be received by the Board of Contract and Supply, John J. Halloran, Secy., until May 31 for furnishing material and erecting a steel plate girder bridge over Onondaga Creek, at West Brighton Ave.

HAMPTON. N. J.—GASTON & RICHARDS, of Somerville, N. J., have secured contract at \$19,000 for the enlargement of the Central R. R. culvert at this city.

TURTLE CREEK, PA.—The Allegheny County Commissioners, it is reported, have awarded to the FORT PITT BRIDGE WORKS, Canonsburg, the contract for constructing a bridge over Thompson Run at \$6,000

ALTOONA, PA.—The County Commissioners on May 17 awarded contract to FOGEL & CO., of Hollidaysburg, Pa., for the concrete double-arch bridge near Brook Mills, Blair Township, at \$5,097.

NEW CASTLE, PA.—The County Commissioners have awarded contract to the PENN BRIDGE CO., Beaver Falls, Pa., for the construction of the Walker Mill bridge at Nechannock Falls, at \$5,098. The same company secured contract for the bridge at Enon at \$3,990.

PITTSBURG, PA.—See item under Railways: West Side Belt R. R.

WILMINGTON, DEL.—All bids opened by the Levy Court at Wilmington, on May 3, for the construction of a reinforced concrete girder bridge at Nexentown Mill Dam, St. George's Hundred, Del., have been rejected. James Wilson is County Engr.

DANVILLE, VA.—We are officially advised that the city will construct an iron bridge. Estimated cost, \$25,000. J. O. Magruder is City Engr.

LEESBURG, VA.—Bids are asked by Loudoun County until July 25 for constructing an iron or reinforced concrete bridge across "The Dutchman" at George's Mill in Lovettsville district, and iron or reinforced concrete bridge across Little River near Aldie in Mercer district. J. J. Crim and others, Commissioners, in charge of construction of first-named bridge, and George Frasier and others in charge of second-named structure.

RICHMOND, VA.—See item under Streets and Roads.

FAIRMOUNT, W. VA.—We are officially advised that the city proposes to construct a new bridge. S. B. Miller is City Engr.

PARKERSBURG, W. VA.—Contract for the construction of a concrete arch bridge across Worthington Creek at the Northwestern Pike was awarded on May 14 by the County Court to the NELSON-MERYDITH CO., of Chambersburg, Pa., at \$7,295. The Farris Bridge Co., of Pittsburg, Pa., bid \$7,890 for the work.

SMITHFIELD, N. C.—Bids are asked until June 6, by Sam. T. Honeycutt, Clk. County Comrs., for the erection of iron bridge.

HUNTSVILLE, ALA.—The Southern Ry. Co., D. W. Lum, Ch. Engr., Washington, D. C., is having surveys made for viaduct on West Clinton St.

WARREN, OHIO.—Bids are asked until 1 p. m., June 6, by the Board of County Commissioners for the necessary labor and material for the construction of the superstructure of a bridge over Grand River, about 11/2 miles east of West Farmington. Fred Stone is Audr. Trumbull County.

ELYRIA, OHIO.—Bids will be received until June 1 by the Board County Complissioners, at Elyria, for constructing two steel bridges with concrete floors in Willington and Grafton Townships. C. H. Lawrince is County Engr.

DAYTON, OHIO.—F. J. Cellariu City Civil Engr., advises us that the precedipping was incorrect from which the sem in issue of May 12 was taken. Control was awarded to A. S. FOX, Dayton, at 8,855, for "modern Scherzer rolling lift bedge" over canal at Webster St., not for straus bascule type.

CLEVELAND, OHIO.—Bids are asked by the County Commissioners until 11 m., June 22, for bridge work per Report No. 2629, culvert, Center Ridge Road, Rocky River Township.

CINCINNATI, OHIO.—Bids are asked by the County Commissioners until noon, lune 17, for superstructure and substructure of lift bridge over the Miami and Erie Canal in Section Ave., Hartwell, Springfield Township. Fred Dreihs is Clk.

GREENCASTLE, IND.—Bids will be received until June 8 by the County Commissioners at Greencastle for constructing three concrete bridges and a steel bridge in Cloverdale Township. Alex. Lane is Engr., Greencastle.

FORT WAYNE, IND.—Bids are asked by George W. Lindemuth, Audr., Allen County, until June 7, for the construction of seven culverts, three concrete abutments, three steel bridges and the repair of four bridges.

asked by the Commissioners of Blackford County for the construction of two bridges across Salamonic River.

LOGANSPORT, IND.—The Panhandle R. R. Co. is planning to let a contract for a

HARTFORD CITY, IND .- Bids are being

NEW ALBANY, IND.—Bids will be received until June 1 for the construction of a new double-track bridge across Ohio River by the Kentucky & Indiana Bridge Co. Estimated cost, \$2,000,000.

NEWCASTLE, IND.—See item under

Buildings.

SHELBYVILLE, IND.—Bids are asked until 10 a. m., June 7, by the County Commissioners for the construction of bridges and bridge repairs in Shelby County. G. W. Huntington, Audr.

MADISON, IND.—Bids are asked until 1 p. m., June 7, by the County Commissioners, for the construction and repair of bridges. G. F. Crozier is Audr., Jefferson County.

HAMMOND, IND.—Bids are asked until noon, June 6, by the Board of County Commissioners, for the construction of a steel bridge over the Grand Calumet River. Charles Johnson is Audr. Lake County.

LA FAYETTE, IND.—Bids are asked by the Commissioners of Tippecanoe County until 10 a. m., June 8, for the construction of several bridges. John P. Foresman is County

PORTLAND, MICH.—The WYNKOOP & McGORMLEY CO., Toledo, Ohio, has been awarded contract for the construction of a single span steel bridge across the Grand River at Turner's Ford, in Danby Township, at \$9,444.

HIGHLAND PARK, ILL.—Bids are asked until 8 p. m. June 7 by the City Council for furnishing all labor and material necessary for the construction of six reinforced concrete girder type bridges. H. L. Bowen is Comr. Pub. Wks.

HASTINGS, MINN.—Bids will be received until June 8 by P. A. Hoffman, County Audr., at Hastings, for constructing a steel and concrete approach to the Cedar Ave. bridge, located in this county, crossing the Minnesota River.

DULUTH, MINN.—Bids will be received by Odin Halden, County Audr., until June 6 for two bridges, respectively 42 ft. and 70 ft. spans. Alternative bids are asked on steel and on reinforced concrete, for a 14-ft. culvert, 45 ft. long; also for painting with graphite paint about 20 steel bridges in the county, spans of from 35 to 253 ft.

VALLEY, NEB.—The CANTON BRIDGE CO., of Canton, Ohio, has been awarded contract by the County Commissioners for the construction of a new steel bridge over the Platte River here, at \$12,628.

FARGO, N. DAK.—Bids are asked by Arthur G. Lewis, County Audr., Cass County. until noon, June 2, for the construction of various bridges, and for repairing bridges and constructing culverts.

ORIN JUNCTION, WYO.—The WISCONSIN BRIDGE CO., of Milwaukee, Wis., has secured from the Colorado & Southern Ry. Co. the contract for two steel spans, 125 ft., over North Platte River, near Orin Junction, and the HINCHMAN-RENTON FIREPROOFING CO., Denver, Colo., the contract for the concrete work. E. F. Vincent, of Denver, is Asst. Ch. Engr.

CHEYENNE, WYO.—Bids are asked by the Laramie County Commissioners until 11 a. m., June 8, for the construction of a wood and timber bridge over Crow Creek, about one-half mile east of Carpenter. C. Edward Artist is County Clk.

FARMINGTON, MO.—Bids are asked until 1 p. m., June 7, by Thomas H. Holman, County Highway Engr., for the construction of four steel bridges.

NEVADA, MO.—We are officially advised that the VINCENNES BRIDGE CO., of Vincennes, Ind., has been awarded contract by the county for one 100 ft. span bridge, 75-ft. approach, in Harrison Township, and one 125-ft. span bridge, 100-ft. approach, in Lake Township, at \$7,100.

\*ST. In UIS, MO.—Plans and specifications are on file at the office of Engineering News, New York, for the removal of the present wooden bridge on Kingshighway and the construction of the foundations and concrete work of a concrete viaduct in Kingshighway from Manchester Ave. to McRee Ave. Bids are asked until June 21.

van Buren District, Roy M. Johnston, Secy., will receive bids until 2 p. m., June 13, for the substructure and erection of the superstructure; the superstructure delivered and erected of a bridge over the Arkansas River, between Fort Smith and Van Buren, Ark. The bridge consists of nine 196-ft. spans carrying double track electric railway and a single track railway on a paved roadway between trusses, two paved roadways, and two sidewalks on cantilevers outside trusses. Piers and abutments will be sunk by the pneumatic process. Steel, about 4,000 tons. Masonry, about 10,000 cu. yds.

DENISON, TEX. — The WISCONSIN BRIDGE & IRON CO., of Milwaukee, Wis., has the contract for constructing the bridge over the Red River for the Missouri, Oklahoma & Gulf R. R. The steel for the bridge will arrive the early part of June, it is

COLORADO, TEX.—The County Commissioners have awarded the contract for one 80-ft. and three 60-ft. steel bridges to the PENN BRIDGE CO., of Beaver Falls, Pa.

TACOMA, WASH.—The City Commission has instructed H. C. Raleigh, City Engr., to prepare plans for a vertical lift bridge across Puyallup waterway. Estimated cost, \$140,000.

CENTRALIA, WASH.—Bids will be received until 2 p. m., June 4, by the Board of County Commissioners of Lewis County, for furnishing complete with necessary tubes two steel bridges, according to plans and specifications filed in the office of the County Engineer, one a 100-ft. span to be delivered at Winlock, Wash., the other 120-ft. span to be delivered at Sopenah, Wash.

been awarded contract for the construction of the piers on which the Bary's River steel bridge, at the south end of Third St. will rest at \$6.90 per yd. Estimated total cost

of work, \$5,000.

CELILO, ORE.—Contract was awarded on May 12 to PORTER BROS., of Spokane, Wash., for the substructure of the bridge to be constructed across the Columbia River here for the Oregon Trunk Line. This project was noted on May 12 under Railways.

METZ, CAL.—Bids are asked until 2 p. m., July 6, by T. P. Joy, Clk. Bd. of Supervisors, for the construction of a bridge across the Salinas River near here, in King City Road District, Monterey County.

LOS ANGELES, CAL.—The Board of Supervisors will receive bids until 2 p. m., June 6, for a pile trestle bridge over San Dimas Wash in Lake Ellen St. C. G. Keyes is County Clk.

SAN FRANCISCO, CAL.—Bids have been opened as follows by the Board of Public Works for construction of the Mission viaduct: Keystone Construction Co., \$104,000; Metropolis Construction Co., \$106,990; Foster & Voght, \$109,997. The Metropolis Construction Co. was the lowest bidder for work on the Seventh and Howard Sts. sewer, being approximately \$165,000, the amount of the authorization requested by the Board from the Supervisors.

OSHAWA, ONT.—Bids will be received until May 28 by William Purvees, Township Clk., Columbus, for constructing two reinforced-concrete bridges, of 32 and 22-ft. spans, near here. Bowman & Connor are Engrs., 36 Toronto St., Toronto.

over the Saskatchewan River to be used on the new railway to Hudson's Bay. Bids for the structure will be called for as soon as the drawings are completed. Reports received at the department are to the effect that the work generally is progressing and all of the initial parliamentary appropriation of \$300,000 will be spent or contracted for this season.

## BUILDINGS.

(\* denotes that this work is advertised in Engineering News.)

PORTSMOUTH, N. H.-Bids were received as follows on May 21, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for remodeling and fireproofing Building No. 20 at the Portsmouth Navy Yard, Portsmouth, N. H.: James E. Leany & Co., Larned Bldg., Syracuse, N. Y., Item 1, \$53,-824, (2) \$50,624, (3) \$34,963, (4) \$31,763, (5) \$42,549; C. M. Leach, P. O. Box 2285, Boston, Mass. (1) \$58,883, (2) \$55,683, (3) \$40,500, (4) \$37,500; James Marcelle, 17 Russell St., Portsmouth, N. H. (1) \$41,657 (conditional), (2) \$38,957, (3) \$28,607, (4) \$25,907; H. P. Converse & Co., 88 Broad St., Boston (1) \$43,400, (2) \$39,700, (3) \$29,200, \$25,800, (6) \$400; Noel Construction Co., Fidelity & Guarantee Bldg., Baltimore \$46,420, (2) \$43,100, (3) \$34,000, (4) \$31,550; Conners Bros. Co., Lowell, Mass. \$53,250, (2) \$50,250, (3) \$38,000, (4) \$35,000, (7) \$1,200.

BOSTON, MASS.—James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, has awarded contract for the construction of the foundations, sub-basement, basement stairs and first floor of the Boston custom-house building to NORCROSS BROS. CO., Worcester, Mass., at \$278,500. Time to complete, Feb. 1, 1911.

After the removal of the 6-story building at 35 to 39 Batterymarch St. and the adjoining 5-story building numbered 45 to 49, an 11-story office building will be erected. This new building will be an addition to the present Oliver Building. The building will be near the corner of Milk St. The structure will be an office building entirely, and will be of the same design and height as the present Oliver Building, to be connected with it on each floor. The construction will be of brick and steel, with a brick and terra cotta front. Parker, Thomas & Rice are Archs., 110 State St. The cost is estimated at \$350,000.

of MITCHELL NICHOLSON, opened on May for the construction of a new school

building in the Ninth Ward, was within the amount remaining of the appropriation, and he received the award. The bids were as follows: Mitchell Nicholson, \$57,979; Patrick Corrigan, \$64,076; W. A. Borden, \$64,-227; Puleston & McDougall, \$67,459; Michael McNally, Treasurer of McNally Construction Co., \$65,317. There is remaining of the appropriation for a new school house in Ward 9 the sum of \$61,000. Work on the new school will begin at once, the contracts having been signed.

NEW YORK, N. Y.—The New York, West-chester & Boston Ry. Co., of New York, N. Y., plans to build stations at the following places, and bids for the work will soon be asked for: Morris Park, Pelham Parkway, Allerton Ave., Dyer Ave., Gunhill Road and Baychester Ave., in the Bronx; South Third Ave., East Sixth St., Lincoln Ave., Fulton Ave. and Columbus Ave., in Mount Vernon; one at North Pelham, Pelhamwood, at Webster Ave. and North Ave., in New Rochelle, and at New Rochelle proper. Mace Moulton, 22 William St., New York, is Ch. Engr.

Plans have been filed with the Buildings Superintendent for erecting a 4-story building for the School of Philosophy on the grounds of Columbia University, on the west side of Amsterdam Ave., 89.2 ft. north of 116th St., between Kent Hall and St. Paul's Chapel, on the block with Fayerweather Hall and Schermerhorn Hall. The facade will be of limestone, with probably an ornamental arched entrance door. In the basement will be the electric laboratory and engine room. The four floors will contain several libraries, offices, lecture rooms, dramatic rooms, etc. McKim, Mead & White, Archs., 160 Fifth Ave. Estimated cost, \$250,000.

Euell & Euell, Archs., 3694 Broadway, have filed plans for a 6-story apartment and store building for 58 families, at the southwest corner of Amsterdam Ave. and 175th St., fronting 90 ftfl on the avenue and 150 ft. on the street. The T. J. McGuire Construction Co. is the owner, and the cost is placed at \$300,000.

NEW YORK, N. Y.—Plans have been filed for a 12-story loft and store building to be built at 50 to 54 West 17th St. for the Widbern Realty Co., at a cost of \$200,000. The building will have a frontage of 66 ft. and a depth of 84 ft., with an extension 46 x 8 ft., the facade being of brick with limestone and terra cotta trimmings. James F. Connell is Arch.

The Executive Committee of the Armory Board, subject to the approval of the full board, and later of the Sinking Fund Commission, has selected a site for an armory for the Eighth Regiment on the unused tract of the Jerome Park Reservoir, in the Bronx, owned by the city. The plot selected is 1,000 ft. long and 600 ft. deep, on which it is proposed to build a structure with a frontage of 600 ft. on Jerome Ave. and running back 300 ft. The site is at Jerome Ave., Kingsbridge Road and Reservoir Ave.

Plans have been filed for a 19-story brick store and office building to be erected at the northwest corner of Fifth Ave. and 26th St., for the Croisic Realty Co., Louis M. Jones, Pres., at a cost of \$700,000. The facade will be of brick with trimmings of granite, limestone and terra cotta. It will have a frontage of 56.6 ft. on Fifth Ave. by 127.6 ft. on the street. Frederick C. Browne is Arch., 143 West 125th St.

Hardman, Peck & Co., piano manufacturers, 138 Fifth Ave., have secured from the U. S. Trust Co., Trustee, the premises 433 Fifth Ave., and will erect thereon a 6-story building, costing about \$100,000. The building will be designed by Francis G. Stewart and Harry Allen Jacobs, Archs., 320 Fifth Ave. The exterior will be in Italian style, in white marble, with a colonnade on the second floor, separated by columns of Pavanava marble. Between these columns will stand large, carved marble boxes for flowers. The walls and ceiling of the entire ground floor will be built of Caen stone. The ceilings will be in stone and a circular marble stairway will run up to the second floor. Over this stairway will be a dome of leaded glass, lighting the rear of the showrooms.

NEW YORK, N. Y.—Plans have been filed with the Building Bureau for a 12-story fire-proof mercantile building to be built at 14 to 18 East 32d St. for the Geraty Construction Co. The building will have a frontage of 65.6 ft. and a depth of 90 ft., with a facade of brick with trimmings of limestone and terra cotta, and the cost is estimated at \$250,000. William H. Birkmire, 306 Broad-

way, is Arch.

A 9-story fireproof apartment house, to accommodate 18 families, is to be built on the south side of 58th St., 203 ft. east of Seventh Ave., with a frontage of 42 ft. and depth of 85.5 ft., for George D. Waring, at a cost of \$100,000. The facade will be of brick, with limestone and terra cotta trimmings. Charles E. Birge is Arch., 29 West 34th St.

C. Ambrosius, Arch., 5 E. 42d St. has filed plans for a 6-story brick tenement house to be erected on the west side of Attorney St., 66 ft. north of Division St., with a frontage of 49.8 ft. and a depth of 87 ft., with accommodations for 22 families. The cost is estimated at \$42,000. Louis Roossini is the owner of record.

David Stewart has sold for Ehler Osterholt the northwest corner of Amsterdam Ave. and 156th St., a plot fronting 99.11 ft. on the avenue and 125 ft. on the street. The buyer is the De Leon Realty Co., Harry Aronson. Pres., which will build on the site two 6-story apartment houses, with stores, from plans by Maximilian Zipkes, Arch., 353 Fifth Ave. The houses are to cost about \$200,000.

The De Leon Realty Co. is also having plans drawn by Mr. Zipkes for three 5-story houses on the northwest corner of Crotona Ave. and 183d St., 80 × 100 ft., to cost about \$100,000.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, until 11 a. m., June 6, (1) for alterations, repairs, etc., at Public Schools Nos. 60, 77, 82, 124, 130, 131, 136, 142, 146 and Manual Training High School, Boro. of

Brooklyn; (2) for sanitary alterations at Public Schools Nos. 10, 11, 15, 32, 52, 58, 111 and Commercial High School, Boro. of Brooklyn.

SCHENECTADY, N. Y.—We are officially advised that schools are to be built here this summer. John Bolan is City Clerk.

FORT PORTER (Buffalo post-office), N. Y.—Bids are asked until 11 a. m., June 4, by Lieut. Benjamin F. Castle, Q. M., for construction, including plumbing, heating and electric wiring of one gymnasium and post exchange building at Fort Porter, N. Y.

\*NIAGARA FALLS, N. Y.—Bids are asked by Edward H. Perry, Superintendent of the State Reservation, Niagara Falls, N. Y., until noon, June 4, for the construction complete, including plumbing and electric work, of public comfort station No. 1 on Goat Island, State Reservation, Niagara Falls, N. Y. Franklin B. Ware, Albany, is State Arch.

CAMDEN, N. J.-J. E. & A. L. PENNOCK, Land Title Bldg., Philadelphia, have a contract for a 3-story addition, 96 x 48 ft., with a wing, 28 x 27 ft., to the Cooper Hospital in Camden. The cost will be \$50,000.

PITTSBURG, PA.—GEORGE W. HOLLAR, Northside, has secured the contract for the \$45,000 brick parochial school to be built on Elizabeth St., near Second Ave., for St. Stephen's Roman Catholic Congregation.

PHILADELPHIA, PA.-We are officially advised that plans have been completed by Carl P. Berger, Arch., Penn Sq. Bldg., for the necessary improvements to the old House of Refuge property, on the block bounded by 22d St., Girard Ave. and Poplar St., to fit it for the use of the Lankenau School for Girls of the Mary J. Drexel Home. The whole plot, measuring 221 × 681 × 717 ft. is to be rebuilt. The property was bought a year ago. The former administration building, south and west wings, are to be remodeled. The north wing is to be torn down and a new and larger building, for bathing, recreation and dressing rooms, an auditorium, with stage and dormitories, will be erected on the site. Cost, \$100,000. The architect and A. Raymond Raff are taking bids. Noted last week.

PHILADELPHIA, PA.—Bids are asked by Col. F. L. Denny, Q. M., Washington, D. C., until 11 a. m., June 6, for furnishing and installing mechanical equipment in the extension to Marine Barracks, Navy Yard, Philadelphia, Pa.

Plans have been prepared by L. C. Hickman, 328 Chestnut St., for the erection of an apartment house at the northwest corner of 37th and Ludlow Sts., for Rees Welsh. It is estimated that the cost will be about \$300,000.

PHILADELPHIA, PA.—E. F. Fonder, Land Title Bldg., was the lowest bidder on May 23 for the erection of a police station which the city will build on 28th St., north of Oxford St. The station will be a 2-story structure, 38 × 130 ft., and will be the headquarters for a new police district to be created out of the 29th Ward, which includes the territory between Poplar St. and Montgomery Ave. west of 23d St. The bids submitted were as follows: E. F. Fonder, \$64,994; Wayne Contracting Co., \$71,564; John R. Wiggins & Co., \$79,400; J. G. Doak & Co., \$81,443; John H. Jordan, \$81,-849, and Henry E. Baton, \$81,946.

HARRISBURG, PA.—A contract to build 2-story addition, 61 × 60 ft., to the Pennsylvania R. R. Co. station at Harrisburg, has been awarded to JACOB MYERS & SON, Witherspoon Bldg., Philadelphia, at \$75,000.

WASHINGTON, D. C .- Bids are asked by the District Commissioners, until 2 p. m.. May 27, for sites for school buildings and grounds adjacent to school buildings and site for engine house in the following localities: School site, north of O St., west of North Capitol St. and east of Seventh St. and Georgia Ave.; school site, west of Soldiers' Home grounds, east of Sherman Ave. and New Hampshire Ave., south of Rock Creek Church Road, and north of Girard St., approximately 40,000 sq. ft.; additional ground in the immediate vicinity of the Orr School; additional ground adjacent to the Ivy City school, approximately 32,000 sq. ft.; additional ground adjoining the Brookland School, approximately 7,500 sq. ft.; engine house site in the vicinity of Rock Creek Church Road and Georgia Ave. N. W.

Estimates of \$220,000 for the enlargement of the Patent Office, of \$2,500 for steel stacks for the scientific library of the Patent Office, and of \$80,000 for the enlargement of the heating plant of the Freedmen's Hospital and Howard University have been submitted to the Senate. Congestion at the Patent Office is cited by officials of the Interior Department as showing the need for the enlargement of its present quarters. is proposed to excavate the interior court of the Patent Office to the level of the basement floor and to erect a 1-story structure over the entire court. It is then proposed to build in the center of the court a 4-story building, which will contain 32 rooms, 17 x 35 ft., for the accommodation of about 300 employes. The improvements in the heating plant at the Freedmen's Hospital and Howard University are to cost \$80,000. About \$65,000 of the amount is to be spent for the installation of electrical machinery to furnish light and power for both institutions.

RICHMOND, VA.—We are officially advised the city will erect an auditorium to cost \$45,000. Ben T. August is City Clerk; Charles E. Bolling is City Engr.

ROANOKE, VA.—J. P. PETTYJOHN & SON, of Lynchburg, Va., have been awarded the contract for the erection of an office building at the Norfolk & Western machine shops. The building will cost \$45,000 and will be three stories and fireproof. C. S. Churchill, Roanoke, Va., is Ch. Engr.

HIGH POINT, N. C.—Bids were received as follows on May 17 at the office of James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., for the construction of a post-office at High Point, N. C.: R. H. Richardson Sons Co., Hampton, Va., \$56,-563; Richardson & Burgess, Inc., 1413 H St.

N. W., Washington, \$61,960; King Lumber Co., Charlottesville, Va., \$66,900; Central Carolina Construction Co., Greenboro, N. C., \$80,000; Ambrose B. Stannard, St. James Bldg., New York, \$63,630; Richard E. Heningham, 1 Madison Ave., New York, \$67,150; Hazard Bros., New York, \$68,290; Holland & Crouse, Greensboro, N. C., \$68,150; James Seay & Co., Petersburg, Va., \$65,000; E. Hart, Norfolk, Va., \$67,592. Time, July 1, 1911.

\*AIKEN, S. C.-Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., June 24, for the construction, complete, (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Aiken, S. C.

CLEVELAND, TENN.—James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., has awarded contract for the construction of the post-office building at Cleveland, Tenn., to RICHARDSON & BURGESS, INC., 1413 H St., N. W., Washington, \$43,775; time, June 1, 1911. A list of bids was given on May 12.

CATLETTSBURG, KY.—Bids were received as follows on May 19 by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., for the construction of a post-office building at Catlettsburg, Ky.: Henry A. Bishop, 115 Adams St., Chicago, \$99,975; John G. Unkefer & Co., Minerva, Ohio, \$94,852; Hazard Bros., New York, \$98,806; Richard E. Heningham, 1 Madison Ave., New York, \$96,546; King Lumber Co., Charlottesville, Va., \$100,000; M. Yeager & Son, Danville, Ill., \$99,890; Barnes Bros., Manchester, Va., \$102,000; Edward Henry, Tipton, Ind., \$92,500.

AKRON, OHIO.—The bids, which were received recently for the construction of the Children's Home were: Hunt & Wrigley, \$46,490; George Crisp & Son, \$48,320; John Crisp & Son, \$54,726. The bids on the plumbing work were: H. P. Cahill, \$6,940; Akron Plumbing & Heating Co., \$6,985; Kraus & Kirn, \$6,787.

DELAWARE, OHIO.—Bids were received as follows on May 23 by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., for the construction of a post-office building at Delaware, Ohio: M. P. Wells, Witherspoon Bldg., Philadelphia, \$63,777; John G. Unkefer, Minerva, Ohio, \$57,484.

OTTAWA, OHIO.—The following bids for the construction of the proposed court house after plans by Frank L. Packard, Hayden Bldg., Columbus, have been received: George Fieck, Sandusky, \$184,268; Henry Shenck Co., Erie, Pa., \$204,494; George A. Abernethy, Third and Broad Sts., Columbus, \$180,500; Concrete Construction Co., Pittsburg, concrete construction, \$191,200; R. H. Evans & Co., Columbus, \$177,931; Henry Van De Horst, Kalamazoo, Mich., \$209,627; Henry Karg & Stienel, Columbus, \$183,450; Francis Bros. Co., 165½ North High St., Columbus, \$197,720; W. W. Layster, Dayton, \$190,350; Nichol & Carr, Columbus, \$193,700.

COLUMBUS, OHIO.—Frank L. Packard, Arch., Hayden Bldg., is preparing plans and specifications for a building at the Ohio State University, to be known as Science Hall. The building will be 78 x 128 ft.

The Board of Education of Columbus, Ohio, has awarded the contracts for the erection of two new school buildings and an addition to the Reeb Ave. building as follows: FRAN-CIS BROS. CO., 1651/2 North High St., Heyl Ave. building, \$92,750; FRANCIS BROS. CO., West Broad St. building, \$92,750. The contract for the Reeb Ave. addition was awarded in separate bids, as follows: JOHN PUGH, excavation, \$2,423; FRED WITTEN-MEIER, cut stone, \$3,082; F. M. FORNOFF, brick work, \$9,700; H. C. HOWELL, basement floor, \$1,557; L. I. TARBERT, plastering, \$1,272; D. W. STAHL, blackboards, \$400; KLEINLEIN & BENNIGNUS, galvanized iron, \$2,559; NICHOL & CARR, carpenter work, \$5,795; COLUMBUS HEATING & VENTILATING CO., heating and ventilating systems, \$2,023; WUELLNER THEADO, plumbing, \$2,232; A. E. EIGEN-SEE & CO., marble and tile work, \$2,481; McKEEVER ELECTRIC CO., electrical work, \$674; J. M. & W. WESTWATER, lighting fixtures, \$839; C. E. MORRIS & CO., structural steel, \$5,791. A full list of bids for this work was given last week.

Henry Pirrung and A. H. Huston, owners of the lot on North High St., formerly occupied by the plant of the Buckeye Buggy Co., are preparing to erect a number of structures on the site. One of the buildings will be five stories high and entirely fireproof.

GIRARD, OHIO.—The general contract for the erection of a 5-story brick building, planned by Angus Wade, Arch., Stambaugh Bldg., for the Ohio Leader Co., at Girard, has been let to the HELLER BROS. CO. Contract price is \$50,000.

KOKOMO, IND.-Bids were received as follows on May 20, by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, for the construction of a post-office building at Kokomo, Ind.: P. H. McCormack Co., Peru, Ind., \$68,621; August Ohm, Terre Haute, Ind., \$62,875; Ed. Henry, Sault Ste. Marie, Mich., \$66,620; Christ Kanzler & Son, Evansville, Ind., \$70,000; Barnes Bros., Manchester, Va., \$64,900; F. M. Roode & Co., Tipton, Ind., \$66,000; Bedford Stone Construction Co., Indianapolis, Ind., \$63,-000; Moore & Danner, Kokomo, Ind., \$57,-493; James de Vault, Canton, Ohio, \$65,-798; J. B. Goodall, Peru, Ind., \$63,900; J. H. Milliken, Indianapolis, Ind., \$60,900; Conners Bros., Lowell, Mass., \$67,346.

JASONVILLE, IND.—The School Board, I. I. Padgett, Pres., is asking for bids for the construction of a High School building. The building will be  $70 \times 80$  ft., three stories high and of brick and stone construction.

LOGANSPORT, IND.—A contract for constructing the Pathological building at the Northern Indiana Hospital for the Insane has been let JOHN BARNES, of Mishawaka,