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general average of the same hill, is but 143 feet above. The most elevated parts having so small a surface, and being upon the edge of the hill, will make it necessary to construct the Reservoir mostly on the lowest part, a portion of the hillside, however, being used to form one side of the Reservoir; the greater part of the bank would have to be elevated about 17 feet, this, in connexion with the probable hardness of the court, some of it being hard-pan, will make the construction of a Reservoir of a given capacity much more expensive than if it were built upon a higher hill, with a more extended surface, and with material of leasier exca-55-5 vation.

A Reservoir on this [Prospect] hill, of a size to contain 1,000,000 gallons of water. will cost \$12,507 exclusive of the land and earth of which the banks may be built; the highest water in it being 155 feet above the base, and water 10 feet deep. A Reservoir to contain 2,000,000 gallons, on the same hill, and built in the same manner, will cost \$25,516, with the top water 158 feet above the base, and 17 feet deep, in each case using two acres of land for it. new you work

The hill belon ing to Mr. Lansing, near lock No. 17, Erie canal, contains 7 or 8 acres, with a surface of a general average of 153 feet above the base. I have made an estimate for a Reservoir on this hill, to contain 3,000,000 gallons of water, and find that it will cost \$12,727, exclusive of the land; the surface water in it to be 158 feet above the base, and the water 10 feet deep.

This hill being of so much greater elevation than Prospect hill, the Reservoir can be constructed of sufficient height with the material taken from its centre, the material thus making capacity for water both by the excavation and embankment. The material is also of much easier excavation than on Prospect hill, and although the stone work will be more expensive, there being more of it, yet a reservoir of 3,000 000 gallons capacity on this hill, will cost but little more than one of 1,000,000 gallons capacity on Prospect hillings a dairy biaz ada aboow s

The total cost of the whole introduction of water, with a Reservoir on Mr. Lansing's hill of 3 000,000 gallons capacity, will be about \$1,500 more than it will with a Reservoir of 1,000,000 gallons capacity on Prospect hill bas spoke ade as w

abow ent abrawet vibas bus gool besses, as If however, the Reservoir on Mr. Lansing's hill should be reduced to 2,000,000 gallons capacity, the total cost of introduction will be less than with that of 1,000,000 on Prospect hill. In either case, no estimate is made of the value of the land required for the Reservoirs. bas bebet bad evol gau

" It is proposed to pump the water from the highest level of the Cohoes Co.'s canal by a Jonval Turbine wheel of 50 horse power, working a double acting pump of sufficient size and stroke to raise 500,000 gallons to the Reservoir in 12 hours, the wheel giving a large surplus of power, which may be used for any other purpose until required for the water works.

The tising main to be 10 inches internal diameter and 1278 feet long. The whole height to be pumped is 96 feet. It is proposed to use the present site of the old lock, just north of the Harmony Mills, for the

The Pennsylvania Academy of the Fine Arts, or Chesnut: street, above Tenth, was organized in 1807, by joint stock subscription.

Among the charitable institutions of Philadelphia, we would name the following:

The Pennsylvania Hospital was incorporated by an act of the Provincial Assembly in the year 1751. The institution occupies the square of ground bounded by Sprine and Fine and Eighth and Ninth streets. The corner stone of the east wing was laid May 28th, 1755, by John Key, and was finished and opened for the reception of patients in the following year. The west wing was erected in 1796, and the centre in 1805. There are numerous outbuildings. On the beautiful lawn, facing Pine street, stands a well-executed statue of William Penn, presented by his grandson, John Penn. The whole revenue of this noble charity is devoted to the support of the sick poor.

Pennsylvania Haspital for the Insane, located on a fine farm of 111 acres, in the Twenty-fourth Ward, was opened in 1811. The principal building and main wings present an eastern from of 436 feet. The interior arrangements are unsurpassed for convenience and perfect adaptation to the purpose designed.

Friends' Asylum for the Insane, in the Twenty-finit Ward, was founded in 1815, by contributions from gambers of the Saister, in the Twenty-finit Ward, was founded in 1815, by contributions from gambers of the Saister.

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The United States Naval Asylum, founded in the year 1835, as a naval school and a hospital for pensioners, is well worthy of a visit. It is situated on the banks of the Schuylkill, fronting on the Gray's Forry Road. The principal edifice is three stories in height, and built of Pennsylvania marble.

Pennsylvania Institution for the Deaf and Dumb, situated on the corner of Broad and Pine streets, was founded in the year 1820, and removed to the present building in 1825. The system of education adopted in this establishment is that of the Abbe de l'Epec and Sicaid, which his been so successfully practised in Europe. Strangers are admitted to inspect the institution on application to the Principal.

Pennsylvania Institution for the Instruction of the Blind, is situated in Race street, between Twentieth and Twenty-first streets, was founded in the year 1833. The Institution is open to strangers every day except Sunday, but to citizens only every Wednesday afternoon.

Biockley Almshouse, in the Twenty-fourth ward, consists of four edifices, each 500 feet from: The average weekly population in the Home, is about 1800.

The Wills' Hospital, for the diseases of the eye, was opened in 1831. It is situated opposite Logan Square.

The St. Joseph's Hospital, near Girard College, is capable of accommodating 60 patients. It is under the control of the Sisters of St. Joseph.

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Among the other charitable Institutions worthy of Philadelphia and her people we might name the Philadelphia northern, and Moyamensing Dispinsaries, Preston Retreat, House of Industry, Wildows' Asylum, Philadelphia Lying in Asylum, St. Ann's Widows' Asylum, Roman Catholic Benevolent Society, the Orphans' Society, in Race street, St. John's Orphans' Asylum in the Twenty-feuth ward, St. John's Pennie Orphan Asylum, the Magralen Asylum, instituted in 1880, the House of the Good Shephend, the Rosine Asylum, Colored Orphans' Asylum, Provident Society, the Union Benevolent Society, and numerous others established to relieve the sick and assist the poor.

Lecomotives Statistics.—The number of locomotives built in Philadelphia in 1851 was not so large as was anticipated at the commencement of the the year, owing, in a great measure, to the financial troubles among hearily all the new failroad companies. The estimate made for the past year was over 240 locomotives, but the actual number has fallen short nearly 100 | In Norris & Son's works, on Bush Hill, the most extensive in the country, 63 were built and forwarded to their destinations prior to July 1st. Since that period only

tinations prior to July 1st. Since that period only 22 have been constructed, making only 55 for the year—17 less than in 1653. For the reason above stated, 530 workmen were discharged from these works in May and June last, leaving a force of only 335 to manufacture the locomotives finished since that time—of which number 120 are apprenters. Since the 1st of September Messrs, Norris works have operated out 7 k hours per des, instead of 10 ss was the usual custom. During the whole year, as in former years, the operatives wore promptly paid every week, so that by the adoption of the cash sistem, an immense saving results to the firm annually. The locomotives built at those works are upon order only, and as a better time is manifesting liself among railroad companies, a large number of workmen will soon be added to the force now employed.

Extracts from the Report of James Slade, Chief Engineer of the Water Works.

COHOES, Aug. 14th, 1855.
"To A. Wild, Esq., President; and to the Directors of the Cohoes Water Works Co.
GENTLEMEN:—By your request I have

made surveys and estimates, with reference to an additional supply of water for this village. The heights of the different points are given in feet above the water table of the Cohoes Co.'s office, that point being about as low as the general level of Mohawk St., and it was therefore taken as the base.

The surface water in the present water works reservoir, is, at its highest, 62 feet above the base, and is the highest water that can be supplied to the village, except by pumpingo bas allo colts and ogidand

The highest part of Prospect Hill is 174 feet above the base, and is that pertion of the hill nearest the Erie canal, whilst the LOCAL AFFAIRS.

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The Public Buildings of Philadelphia.—For the information of strangers, and for future reference, we compile the following notices of the public buildings in Philadelphia, worthy of special attention.

The State House, or Independence Hall, on Chesnut street, deserves especial notice. It was commenced in 1729, and completed in 1731. The architecture and plan of this college are from designs by J. Kearsely, the same who drew the plan for Christ Church. The original cost was £5000. The two wings were exected in 1740. In the east room of the first story, the immortal Declaration of Independence was passed by Congress, July 4th, 1775. In this room is placed the "Old Bell," cast purposely for this caline when erected. It was imported from England in 1752. The room has been recently fitted up, and its walls decorated with portraits of the signers of the Declaration of Independence, and other eminent statesmen, warriors &c. The original steeple was taken down in 1774, and the present one erected in 1823.

The Custom House, formerly the United States Bank, on Chesnut street, above Fourth, is also an imposing building. The structure is built upon a platform 87 feet in Front and 161 feet deep. It has two fronts, and each ornamented by eight flatted columns of the Doric order, 27 feet high, supporting a heavy entablature of the same order. It is constructed entirely of marble, and bears altogether the features of unassuming grandeur and chaste simplicity.

The United States Mint, on Chesnut street, near

supporting a heavy entablature of the same order. It is constructed entirely of marble, and bears altogether the features of unassuming grandeur and chaste simplicity.

The United States Mint, on Chesnut street, near Broad, is constructed in the Ionic order, taken from a Greian temple at Athens. It has a front of 122 feet, divided into a portice 62 feet long, and two wings 30 feet cach. The portice is supported by six pillars, 25 feet high. The steam engine and mechanical contrivances used in the milling, stamping, &c. are very beautiful, and attract much attention from visiters, who are admitted from 9 to 13 o'clock.

The Merchants' Exchange, fronting on Walnut, Dock and Third streets, is constructed of the purest Pennsylvania marble. It forms a parallelogram, the eastern front being circular, embellished with a portice, recessed, supported by Corinthuan columns. The merchanta' reading room is in the splendid rotunda on the second-story. The postofice is located in the first.

The University of Pennsylvania. Ninth street, below Market, was established in 1750 as a charity school, but through the exertions of Dr. Franklin and others, was chartered and endowed in 1750, erected into a college in 1755, and into a university in 1779.

Girard College went into operation January 1st,

erected into a college in 1755, and into a university in 1779.

Girard College's went into operation January 1st, 1848, the corner stone of the edifice was Isid on the 4th of July, 1833. The general design of the main building is that of a Greek temple. The whole cost of this magnificent college, including improvements of the grounds, was \$1,933,821.78.

Academy of the Protestant Episcopal Church, established in 1785, under the suspices of the late Bishop White, is located in Locust street, near Broad. The building is constructed of red stone, in the Elizabethan style.

Theological Schminary of St. Charles Borromeo, at Eighteenth and Race streets, was incorporated in 1818, and is under the direction of Lazsitists, or Priests of the Congregation of Missions. Number of students about 30

Jegitson Medical College, established in 1825, is located in Tenh attreet, below Chemut.

Pennsylvania College, Ninth street, below Locust, was creeted in 1849 It is a commodious sad imposing edifice. The building contains three lecture rooms and a museum, containing a great variety of wet and dry preparations, modes, casts, &c. &c.

Pitiladelphia College of Medicine, chartered in 1847, is located in Chica College, instituted in 1846, in Filbert-street, between Eleventh and Twelfth sincis. There is a large museum connected with the institution, owes its origin to Benjamin Franklin. The first meeting of the Society was held January 2d, 1768. The site of the precent hall was given to the Society by the State, in 1755, and the building was exceted in 1849. The library contains about 20,000 volumes, in various languages. The Society also possesses an extensive cabinet of medals, coins, &c.

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