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The Future --- Industry.

A prudential preparation, and a far-reaching sagacity to anticipate something of the future, are evidences of superior mental en. dowments, and a superior civilization. The barbarian cares only for the present-he revels in the dance or the feast of momentary enjoyment, heedless of those provisions for the future which distinguish the civilized man. The wise man derives lessons from every event he witnesses, and treasures up the experience of the past to guide him for the future; he remembers the teaching of the wisest and most experienced of mental philosophers-the son of Israel's Shepherd King, and he does not forget how the sluggard is commended to " go to the ant, consider her ways, and be wise : for she provideth her meat in summer, and gathereth her food in harvest."

Last week, while taking a brief survey of the past fifty years, we were particularly struck with the accumulated number of discoveries which have rewarded unremitting application and industry, and which have conferred honor on many low-born names. Many discoveries have been made, apparently by accident, but, as a general thing, we find they were made by men of observing and reflective minds, and who were prosecuting researches with some distinctive object in view. It has often happened, that men who have studied a certain object, have been rewarded with quite a different but more important one, than that for which they had so long struggled and studied. This was the case with Newton and the apple, and the grand discovery of the metal, potassium, by Davy.

We instance these cases, and have chosen this subject, to give a word of advice to our young men especially. Industry is sure to have its reward sooner or later, and young men who, in the common course of pro-

Let every one who reads this determine to gress has been made in the accumulation of can be cultivated, and a faculty for it can be employ his future moments better than the data, from which a correct judgement may easily destroyed. To young men we say, past. At the opening of a new year it is a mother with an eel in the one hand and a mud be formed. A few more of careful, con-learn-learn when you are young, and apply good time to commence life anew. Good pur- ducted experiments, to confirm or disprove your wisdom when you grow up into manhood poses are good things, for no man, without a those of our respected President, will be the and old age. good purpose, ever pursues good objects. The simplest way of setting the matter at rest; advice given will apply to men in every condiooving Machine and old Gen. the conclusion of the feat, and have become for, with all deference to those who guide us to Bentham. tion of life, and in every calling and professatisfied about the productiveness of New principles, it is facts from the field which will The British papers have lately been boasting sion. Lay out a right-good path for the fu-York streets. Proposals will soon be issued most readily influence practical men, at least of an invention made by Mr. Paxton, the arture, and "whatsoever thy hand findeth to for the planting of eel-grass, and the full proso long as the knowledge of these guides is so chitect and designer of the Great Glass Pado, do it with all thy might." tection of our street fishing ponds. incomplete that their deductionss are frequentlace, for grooving sash-bars, for which he re-A New Locomotive for Cubs. ly found not to be trustworthy." ceived a medal from the Society of Arts. in Messrs. Norris and Brother, of Philadelphia. A new theory, we see, of enriching waste 1841. This has called out a correspondent of by the last steamer from England, his letters have just finished another of their large class lands, is brought forward by a Mr. Baldwin, the London Mechanics' Magazine to the depatent, which secure to him and his associate of locomotives for one of the railroads in Cuof Virginia, in the "Plow, Loom, and Anvil." fence of the ingenious Sir Samuel Bentham, the benefits derived from his grand discovery ba. We see that the fine locomotive works of It is simply to cover or shade the waste lands the original inventor of planing machines, a by the people of Great Britain. Norris, in Schenectady, N. Y., are to be let. -prevent its exposure to the sun. Heavy subject in which a great number of our read-New Aerial Propeller. A rich vein of the phosphate of lime, about manuring is a more reasonable method, for | ers are interested. The patent of Sir Sam-An inventor named Tough has invented a sure and quick results; and, after all, we must uel, 28th April, 1793, reads thus, "besides 6 feet wide at the surface, containing 90 per new Aerial Propeller; it is a remarkably tough | say that the report above is inconclusive. Let | the general operations of planing, rebating, | cent. of the phosphate, has just been discover-five tons of manure be set aside, under roof, morticing, sawing in curved, winding, and led in New Jersey. aubject.

More about Agricultural Chemistry. A society in Scotland has been testing different manures in the production of turnips, which must be of interest to a great number of our readers. There were fifteen fair experiments made, but those of the greatest importance were between manure kept under roof and manure exposed to the weather. We will refer only to these two, but stating that from seven tons of Peruvian guano, 25 tons 8 cwt. of turnips were produced on the acre. This was the largest produce of the fifteen experiments. Forty loads to the acre of uncovered kept manure, and 40 loads kept under cover, gave the following resuls :- that kept under cover produced 20 tons 16 cwt. per acre, that from the uncovered produced 20 tons 8 cwt.a very small difference indeed. As two.thirds of our people are engaged in agricultural pursuits, this subject is of great importance to confirmation. Very little improvements have them, and we cannot do better than publish that been made in the manufacture of coal gas for part of the report of the Club mentioned (St. Quivox Farming Club) :

"The chief feature of interest involved in these experiments is the comparison between the progress of science and discovery during the crops grown on farm manure kept under a of Virginia will be able to be brought to New roof, and those on dung kept in the usual York and sold cheaply. In some English manner. It is an important contribution towards a solution of the question-whether it is profitable to roof over manure heaps at farm steadings? It is needless to expect that this point will be settled in the laboratory of the chemist. As in many other things, the farmer must in all likelihood, find out the way for himself, and the chemist will afterwards tell him why his practice is correct. At a recent agricultural meeting, Prof. Way, when asked and labored unsuccessfully in the search of if the advantages gained by covering a manure heap were worth the expense, replied that the question was an unfair one, as he could not be supposed to know what the expense would be; but, as a principle, he would say by all means cover it over, and if they must dilute their heap, dilute it when they wished, and not let the heavens do itforthem. Even if mixed with soil, he wished to say that it would do better to cover it. It may as well oe said, however, that if the heap must be diluted in order to keep it in a cool condition

and then test them fairly. Turnips are a good test crop.

Meeting about New York Gas.

A meeting was held at the Chinese Rooms on Wednesday evening last week, the object of which was, to advocate a Gas Reform and approve the veto of Ex-Mayor Woodhull .-Speeches were made by C. E. Lester, Horace Greeley, a Mr. Camp, a Mr. Price, and others. Mr. Camp stated that he had a gas made out of refuse materials, which was purer, and could be made for one half less than the kind made from coal by the New York gas companies. Mr. Lester and Mr. Greeley spoke about the discoveries and improvements which had been made, were making, and are to be made, which left coal gas far behind the progress of the age. We must say that all this wants twenty-one years. Where cannel coal is cheap and where the coke can be sold for a reasonable profit, no gas has been able to compete with that of coal. We hope the cannel coal cities every working man burns gas in his house, and the cost per annum is not to him one-fourth of what oil, camphene, or candles cost us here, and certainly one-third the price of our gas. The gas companies' contract will run out in two years, and then the lighting of the city should be left to open competition. Let the Common Council now make open proposals for a contract, to go into operation when the present contract expires. That will bring out the pith of those who propose to supply us with cheap gas. Let there be fair competition in this thing; let every thing be done openly and above board. We would like to see gas produced so cheap that it would be introduced and used in all private houses. This, we believe, could be done by a strong, wise, and spirited gas company; for, if it has been done in other quarters of the world, it surely can be in New York.

Drawing in Academies and Colleges.

We have received a letter from a correspon-

for 6 months, and 5 exposed to the weather, transverse directions," he invented an apparatus "for preparing all parts of highly finished window-sash." In 1797 Bentham proposed and introduced steam power into the Portsmouth Royal Dock Yard, and new machinery for working in wood, which he described in a letter to the Navy Board as follows :

"1st. By means of reciprocating motion."

"Sawing in general; particularly straight vork-such as sliding timber, slitting deals, cutting, quartering, and straight planks of all kinds."

In the margin of a certified copy of this letter is written, "All introduced except sliding timber.''

To return to the proposal.

"2ndly. By means of rotary motion."

"Edging, tongueing, grooving, rebating and cross-cutting into lengths, deals of all sorts for joiners and house carpenters' work."

Against this article is written in the margin, perhaps as late as 1813, "Long since introduced with great success."

Then follows in the proposal,

"Tongueing and grooving piles for damwork."

"Converting slabs and offal timber into treenails."

This was also executed, so that slab and offal theretofore sold mostly for fire-wood, was by means of his machinery made available for the fabrication of various articles of secondary importance.

To the above particulars, Sir Samuel added. "These, amongst various other instances, have occurred to me as giving occasion in his Majesty's dockyards for the substitution of the invariable accuracy of machinery, to the uncertain dexterity of more expensive manual labor."

By sir Samuel's machinery junctures were as accurately cut as any other parts-even dovetails, mortices, and tenons.

The original of this letter, 1797, doubtless is amongst the records at the Admiralty; there is a copy of it in the books of the Inspector-General's-office, and a certified copy exists in private hands.

New York Streets Mud.

We can boast of a great many things, such vidence, have a good future before them, should it can in no way be so cheaply done as by dent, stating that Mechanical Drawing is as the largest city, the greatest amount of never forget this. Let your attention and larains; and if these should wash out a portion taught, Minifie's work being the class book, in bors be rightly and well directly. James Watt shipping, steamboats, &c., but all these are of the soluble fertilizing matter, a good tank Norwich University, Vt. We have also rehad labored much and studied long before he can be constructed to receive it at far less exnothing to brag of in comparison with our ceived a catalogue from our correspondent (J. was rewarded; but the reward came at last. muddy streets. There are gulfs in the Catspense than a large roof; and besides, we have B. T. Mead, Cadet, N. U.), and we are well Sitting in deep reflection upon his favorite kill Mountains, but what are they in comparihere a fact, and one fact is said to be worth a pleased with the course of instruction. The subject-the steam engine-the invention of number of theories, that the manure kept in term opened on the 3rd inst. Candidates who son with the gulfs in some of our intersecting the grand improvement, viz., the separate conthe open air was as valuable for the growth of | do not pursue the regular college course are streefs. A horse and cart almost disappear in denser, beamed upon his mind like a flash of turnips, as that kept under a roof. The qualithe puddles, and donkeys would never come admitted to the scientific course, and are relightning,-hundreds of others have been reout alive. It is related that a little boy, one ty may be a little lessened by exposure; but | quired to sustain a satisfactory examination warded in the same way. "He that trifleth what remains appears to be weight for weight in English grammar, geography, and algebra of those hard-faced, knotty-headed little felwith time layeth up for himself rags and sorof equal quality. Nor is it likely to lose much lows so plentiful in some of our by-streets, through equations of the first degree. To row." In our long winter evenings, our young if mixed with soil containing a considerable young mechanics we say, by all means save was seen to disappear head-first on last Frimen should endeavor to spend the hours at portion of alumina. Professor Way has himall the money you can, and give yourselves the day, from the curbstone in front of the Chitheir disposal to some useful purpose. Innoself shown, by his admirable discoveries, that best! education possible. Is there one man nese Museum. His mother, a podgy little bocent amusements are good in their place such soils possess the power of absorbing and living who does not regret misspent time dy of a peculiar stamp, was looking on at the like to see young people enjoying themselves; retaining the fertilizing properties of manure and money of youthful days? Without a time, and lifted up her hands in mute despair but oh, how many triflers of time do we see in so effectual a manner, that no amount of good education, no man becomes distinguished. at his sudden departure into such a region. A every week, and how much time we see wasrain will wash them out. With this know-Oh, how many men, now ignorant, might have crowd was soon collected, gazing into the ted every day, which, if well spent, would ledge, it is difficult to discover what great good place where our little hero had disappeared, been educated had they only saved up a few cause future consolation and enjoyment,can result from roofing over a heap of dung cents every week when they were young. It some proposing to get a long pole, and others whereas we can expect to see no reward reap. mixed with earth. In these times it will not is indeed true that the majority of men apshouting for grappling irons, when lo and beed by those who are so unwise, but that of redo for farmers to undertake expensive works pear not to have the right stamina for study- hold! a slight movement was seen near the gret, and, it may be, poverty. Almost every mud top on the other side of the street, then a which may be of doubtful utility; and it is ing a subject that requires severe reflection; person has cause to regret misspent time. waggling of a little gritty half brown and therefore satisfactory to find that some pro- but it is also true, that a taste for dry study some other mixed colored head, and then the little fellow struggled up, looking over to his turtle in the other, and with such a grin-oh ! to have seen it. It is reported that the Mayor and Commissioner of Streets came up about Henry M. Paine, at Worcester, has received