Science and Art.

A new planet of the eleventh magnitude has been recently discovered by Palissy, at Pola.

Arsenic may be discovered by its smell ; when placed near the fire it emits an odor like garlic.

The remains of a large swimming and fying bird, exhumed from the London elay near Sheppy, were recently described day near Sneppy, were recently described before the Geological Society of London It evidently belonged to the genus al-batross, but was considerably larger.

It is now maintained by some scientists of repute that the same poison gives rise to the several diseases known as scarletina, puerperal fever, typhoid, dyptheria, ersipelas, etc., varying in its results according to the surroundings and constitution of the patient.

Dr. Bollinger says that the milk of cows suffering from tubercular disease will communicate that effection to human be-Boiling will not destroy the propagating power. He also makes the alarming statement that five per cent. of old cows have tubercular disease.

The ocean, especially near and within the tropics, swarm with life. The remains of its myraids of moving things are conveyed by currents, and scattered and lodged, in the course of time, all over the bottom. This process, continued for ages, has covered the depths of the ocean as with a mantle, consisting of organisms as delicate as hoar-trost, and as light in the water as down is in the air.

The sizes of crystals are as various as the substances of which they are formed, some being too small to be recognized, except ander a microscope, while there is one at Milan weighing nearly nine hundred ponds. Examples of the system are ound in a hundred different chemicals. The White Mountains of New Hampshire are a vast aggregation of crystals. The Mammoth Cave of Kentucky is an enormous museum of crystals. Yet the science of crystalization is a sealed book, waiting the skill and perseverance of the patient experimenter and explorer.

Nothing can be more surprising and beautiful than the singular clearness of the water of the northern seas. As we passed slowly over the surface, the botom, which was here in general of white and, was clearly visible from twenty to twenty-five fathoms. During the whole course of the tour I made, nothing appeared to me so extraordinary as the mense recesses of the ocean, unruffled by the slightest breeze, the gentle splashing of the oars scarcely disturbing it. Where the bottom was sandy, the different kinds of esterise, echmi, and even the smallest shells, appeared at the greatest depth conspicuous to the eye; and the water seemed, in some measure, to have a magnifying power, by enlarging the objects like a telescope, and bringing them seemingly nearer. Though moving on a level surface, it seemed almost as if we were ascending the height under us, and when we passed over its summit, which rose in appearance to within a few feet of our boat, and came again to the descent, which on this side was suddenly perpendicular, and overlooking a watery gulf as we passed gently over the point of it, seemed almost as if we had thrown ourselves down this precipice; the illusion, from the clearness of the deep, producing a sudden start .- Records of the Novth

Accidents are prevented by a lightninglike application of presence of mind on the part of the engineer. A hundred in- age have seen in their day!

The First Engine in America.

The first engine to draw a railway train on this continent was run at Hones-

dale, Penn., Aug. 8 1829, on the newly finished road connecting the Lackawanna coal-fields with tide-water by way of the Delaware and Hudson Canal. This was the first road of any consequence in the Republic to adopt practically the economic system of inclined planes and gravity locomotion, since adopted by the engineers wherever practicable. At that time railways were just beginning to attract the attention of capitalists. The The Liverpool & Manchester road, the pioneer enterprise of the kind, has been for some time building, and was near completion. George Stephenson's ex-periments with steam machines for roads were watched throughout civilization with the deepest interest. In 1828 John B. Jervis, Chief Engineer of the Delaware and Hudson Canal, sent his assistant, Horatio Allen, to England to investigate the application of steam to land transportation. Allen became convinced that Stephenson's ideas were destined to revolutionize commerce, and he, therefore, bought for the canal company three engines to be used on the initial railway in the United States. In May, 1829, the first of the engines were landed here; was put together by Allen and exhibited at the foundry for some weeks. It was queer looking enough, having four wheels connected by side rods. Vertical cylinders on each side of the rear end of the boiler communicated motion to a vast walking-beam, attached to the siderods of the driving-wheels by other long iron rods. The engine was, indeed, so covered with rods and joints that it resembled a vast grashopper. Having been delivered at Honesdale in due season. Allen had it put on the track, consisting of hemlock rails, 8 by ten inches thick, 4 feet 8 inch apart, and spiked to hemlock ties with 10 feet space between them. The engine weighed 7, instead of 3 tons, as had been agreed upon; the rails had been warped, and as the road crossed the Lackawaxen river, after a sharp curve, on a slender hemlock trestle, which, it was believed, would not support the engine, Allen was besought not to imperil his life on it. He knew there was danger, but, ambitious to connect his name with the first railway in America, he determined to take the risk. He ran the engine up and down along the coal dock for a few minutes, and then invited some one of the large assembly present to accompany him. Nobody accepted, and,

pulling the throttle-valve open, he said good-bye to the crowd, and dashed away from the village, around the abrupt curve, and over the trembling trestle, amid deafening cheers at the rate of 15 miles an hour. The Stourbridge Lion, as the engine was named, from its place of facture, was attached, after the trial, to trains of coal cars, and drew them satisfactorily on the docks. But it could not be employed to advantage on so slight a railway, which could not be fitted to the engine on account of the expense required. The Lion was, therefore, placed in a shanty on the docks, and staid there for years. Finally, it was taken to pieces, its boiler being carried to Carbondale and put in a foundry, where it is still in use. The other two engines shared the same fate. John B. Jervis is still living, at 80 and upward, PRESENCE OF MIND ON A LOCOMOTIVE. at Rome, in this State, and Horatio Allen, over 70, resides at Orange N. J. What marvelous progress men of their

FINANCIAL AND COMMERCIAL.

PORTLAND, July 20, 1880. Legal tenders in Portland, buying, par, and elling at par. Silver coin in Portland banks quote at I pe

cent, discount to par. Coin exchange on New York, 1 per cent. pre-

Coin exchange on San Francisco, par to 1 per

cent. premium. Telegraphic transfers on New York, 1 per cent. premiui

Hom - Produce Market.

The following quotations represent the whole sale rates from producers or first hands: FLOUR-Onotable in jobbing lots ai: Standard

braids, \$3 25 best country brands, \$3 (35) \$3 75, superfine, \$3 75(a\$4 00. WOOL224-25(6) for choice, WHEAT-Good to choice, \$1 35a31 49; Walla Walla from 21/0.5 cts. less, HAY-Timothy baled, buying at \$16/0.\$18 per

POTATOES-Quotable at 45 (0.50c per 100 Bus, as to description and quality. MIDDLINGS-Jobbing at feed, \$20(0, \$25; fine

\$25(a \$271 P ton. BRAN-Jobbing at per ton, \$15@\$16. OATS-Feed, per bushel 421@45 cts.

BACON-Sides, 12e1: hams, Oregon 8 C 121(a 131c: Eastern, 15(a 16c: shoulders, 8(a 9)c

134c; Eastern, 15(a 10c; shounders, Super-LARD-In kegs, 10(a 124c; in tins, 12(a 124c, BUTTER-We quote choice dairy at 22a25c; good fresh roll, 20(a 224c; ordinary, 15(a 20c, whether brine or roll, GREEN FRUITS-Apples, 50(a 75 cts per box; Super-Supe

Limes, \$2 50a3 per 100; Oranges, \$4a4 50

per box : DRIED ERUITS—Apples, sun dried, a910c; machine dried, 12cg Pears, machine dried, 10a11c, Plums, machine dried, 15a18c;

pitted, 13a14c. EGGS--25c per doz. POULTRY--Hens and roosters, \$3a3 50. Tur-

keys 15a20c per pound. Geese, \$8a9 per doz CHEESE—Oregon, 121a15c; California, 16c, HOGS—Dressed, 51c; on foot, 31a4c. BEEF-Live weight, 1} to 12c for good to choice

SHEEP-Live weight, 13a2c. TALLOW-Quotable at 5a54c. HIDES-Quotable at 14a161c for all over 16 fbs,

one-third off for under that, also one-third off for culls; green 61a8c.

General Merchandise.

RICE-Market quoted at China, 51a52 : Sand wich Island, 71a71. COFFEE-Costa Rica, 17a18c; Java, 25a26c Rio, 161a17c.

TEAS-We quote Japan in laquered boxes 50a 75c : paper, 373 94734 SUGARS-Sandwich Island, 94a10c; Golden C,

in bbls, Ice : hf bbls, 92c : Grushed bbls, 112c, hf bbls, 12c : Pulverized bbls, 12c, hf bbls, 134c ; Granulated bbls, 114c, hf bbls 124c.

SARDINES-Qr boxes, \$1 75; hf boxes, \$2 75. YEAST POWDER-Doundly, \$18 ₽ gross; Dooley, \$20a22 ₽ gross; Preston & Merrill,

\$24 # gross. NES-White, per dog in case, \$3 50a4; pe WINES

gal, 70e to \$1 50; Sonoma, per dot in cases, \$3 50 to \$5; per gal, 60e to \$1 50
Claret—California per gal, \$1 to \$1 25; imported per gal, \$1 50 to \$2.
Sherry—Cala per gal, \$1 50 to \$2 50; Span-ich \$2 to \$1 per gal, \$1 50 to \$2 50; Span-ich \$2 to \$1 per gal, \$1 50 to \$2 50; Span-

ish, \$3 to \$6 ; assorted brands, \$12 to \$18 imported per gal, \$2 50 to \$7.

Port-Various brands in qr esks, \$2 50 to \$5 \$1 50 to \$2; imported, \$3 to \$7.

SPIRITS-Fine old Hennessy Brandy in qr cks and octaves, \$5 50 to \$7 50 per gal; Dunville's Irish Whisky in cases per doz, \$12; James Stewart & Co.'s Scotch Whisky in qr eks and octaves, \$4; Hennessy Brandy in case, per doz, very fine-1 star \$16, 2 star, \$17 50, 3 star \$19 : Holland Gm, large cases, \$18 to \$20; Old Tom Gin in cases, \$12; Rye Whisky, per gal, \$2 50 to \$5; Bourbon, per gal, \$2 50 to \$5; A Cutter, \$3 25 to \$8 50; O K Cutter, \$4 50 to \$5

-Ordinary brands of coal, 30c, high grades, Downer & Co., 37]a40e; boiled linsed, \$1; raw linsed, 95e; pure lard, \$1a1 10; castor; \$1 5ca\$1 60; turpentine, 60a65c.

THE MARKETS.

SAN FRANCISCO, July 20, 1880. WHEAT-No. \$1 50(a1 55; No. 4, \$ 421(a) 473. BARLEY-Feed, 724(0.774c; brewing, 774(0.

Liszt's Playing.

An American lady whose sister is taking lessons with Liszt, the world renowned pianist, describes his playing. She savs:

I hinted to her that . she should ask Liszt to play. She must have been astonished at my presumption, but never-theless she asked him, and I guess he was none the less astonished.

At first he did not understand, and asked, "You play something more to me?

"No; you play something more to me, will you not? Something of your own, please

He laughed good-humoredly, and sat down on a stool, saying, "I cannot do anything now." Then he exclaimed, "Oh, this stool is too low!" and rose again.

Florence ran and placed the chair she had used for him, and he sat down and began. We came forward and listened throughout without stirring-almost without breathing, it seemed.

It was a dreamy, melancholly strain, with a rapid, running bass, very sweet, and played excessively pianissimo-the wonderful tone he was so celebrated for. Except for this there was nothing very

extraordinary in his playing. He used both pedads continually, and but once came down with the forte passage. While he was playing, his face was set and rather sad-looking, and now and then he raised his eyes to my face without changing the expression.

Instead of feeling excited at so great an honor being accorded us, it seemed to have a chilling effect; and when he rose and came toward us, and we warmly thanked him, he was less calm than we were, for he seemed saddened and nervous.

He looked at his fingers and said, 'Ah, these are invalids; I can do nothing with them now. I am an old manah, yes, a very old man."

I took his hands, and he looked pleased as we admired them. He must really have been amused at us simple little girls. I would have liked to kiss them, but I feared the after ridicule of my less demonstrative sister; so I let them drop.

From the Quaker (ity.

F. J. Cambell, of Pulladelphia, under date of October 4 1879, certified to the wonderful effi-cacy of Warner's Safe Pills and Safe Tonfe in removing a liver disease accompanied by chronic constipation and yellow skin.

An Old Man Restored to Health.

An Old Man Restored to Health. Baravia, N. Y., Sept. 15, 1879. H. H. Warner & Co., Rochester, N. Y.: "For vorty years I nave suffered with Diabe-tes, being obliged to voi i urine as often as once in 30 minutes, and have also been a great suf-ferer from pulpitation of the heart. I am now using your fliabetes Cure, and can truly say, st 70 years of age, that it makes me feel like a new man." PETER SHOWERMAN.

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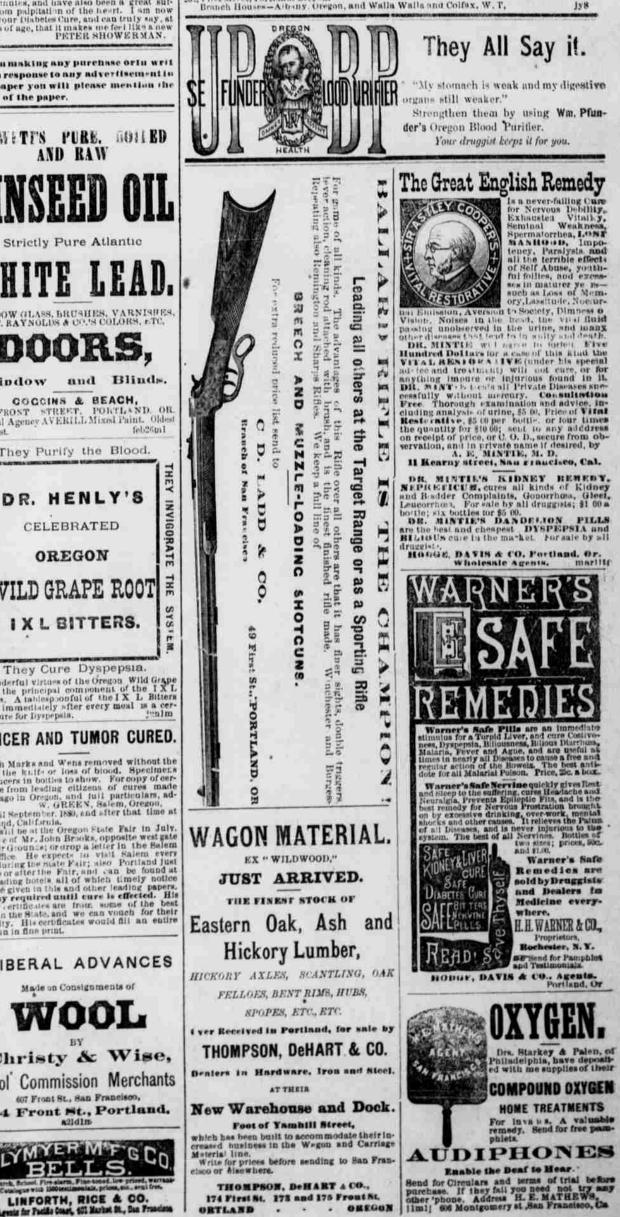
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stances of remarkable presence of mind might be cited in this connection. A passenger train on the Chicago, Burlington and Quincy Road was rounding a sharp curve, just under a patch of tall timber. The watchful engineer saw a tree lying across the track sixty feet ahead of the locomotive. The train was running at a speed of 35 miles per hour, and to check its mementum before reaching the obstruction was out of the Ages, and that the American Governquestion. The engineer took in the situment would do well to keep this fact in atian at a glance. He threw the throttle view, and to send to that part of the wide open, and the engine shot ahead world representatives capable of affordwith the velocity of an arrow, and with ing aid and protection to those of our such tremendous force that the tree was countrymen who may be traveling or repicked up by the cow-catcher and flung siding in the slip of land intervening befrom the track as if it had been only a weed or a willow withe. A man with not so cool a head would have made the best possible use of those sixty feet in the way of checking the speed of the train. That would have caused a disaster. Sam Bradford, one of the best engineers in the country, was bringing an express train over the Kankakee line from Indianapolis. As the engine shot out from a deep cut and struck a short piece of down a minion of the ex-Khedive. For-tunately, Judge Batchelder, of Albany, straight track leading to a bridge, a herd of colts were discovered running full tilt down the road. This distance to the recognized by all nations as the Supreme river was only 100 feet. Sam knew he could not stop the train, also knew justice will be awarded to our fellow citithat if the colts beat the locomotive to zen at Cairo. But we have other counthe bridge they would fall between the trymen in Bosnia, but no Consul there, timbers and the obstruction would throw and it is a matter of anxiety that immethe train off and probably result in a diately after the extensive incendiary fire frightful loss of life. It took him only half a second to think of all this. The the City of Serajevo, property was pilother half of the second was utilized in giving his engine a quantity of steam that it covered that 100 feet of track in had arrested a large number of the pilabout the same time that a bolt of lightning would travel from the tip of a light ting rod to the ground. The colts were struck and hurled down the embankment since Mr. Schuyler has left those regions, just as they were entering the bridge.

EXILING THE PRIVILEGED CLASSES,-In St. Petersburg more than six hundred persons of the noble or privileged classes we under arrest to be deported to Siberia without trial. In one of the tempomry Governor Generalships in the south of the empire (Odessa) sixty privileged persons have already been sent to Siberis without trial, and two hundred persons of this class are under arrest to be judged. So great is the number of persons of this category to be exiled, that a practical difficulty is said to have arisen

Sea.

stone.

solution was not affected.

in connection with their deportation. A noble or privileged person who has not been judicially sentenced, when sent to Siberia, by the orders of the Third Section, or Secret Police, must be escorted by two gendarmes, it being against the laws to manacle a privileged person who is uncondemned. It appears that there are not gendarmes enough thus to escort the number of persons to be deported, and the Ministry of Secret Police has Proposed to get rid of this difficulty by sending the privileged persons fettered like ordinary oriminals. On the other hand the officials are opposed to any such

Good men have the fewest fears. He has but one who fears to do wrong. He has a thousand who has overcome that

1.25Returning to the Middle Ages. SUGARS-All up le SYBUPS-Stiff.

BUTTER-Fresh and much better supplied. The awful reports of incendiary fires, EGGS-Cala., fresh and choice, market over-tacked and there is very little demand, market murders, revolts, desertions, pillages, and even of cholera outbreaks, which are ery wonk. BAGS-Machine sewed, 22x36 inches, market daily received from Eastern Europe,

the; bay chevaller, st oolar

a so unsettled that acsurate quotations are imshow that that portion of the Old World is fast returning to the practices and anti-civilized customs of the Middle offer small lats cheaper. OATS-Feed, good to choice Oregon, best offer

obtainable SI 37 CHINESE RICE-Mixed strong at \$5.

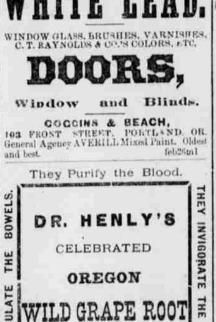
Keep Young.

Don't grow old and rusty and cross, afraid of nonsense and fun. Tolerate the tween the Adriatic and the Black Sea. follies and crudities of youth. Gray hairs, While the Civil Service Reformers and Congress agree in diminishing, though and wrinkles you cannot escape, but you need not grow old in feeling unless by different means, the efficacy of our you choose. And as long as your age is always on the outside you will win confidiplomatic service abroad, foreign nations are increasing that service. Thus, dence from the young, and find your life we are so badly situated in Egypt that there is no American representative there But you have too many grave thoughts, just at this moment, when a naturalized too many weighty anxieties and duties, American is put on trial for having shot too much to do to make this triffing possible, you say. The very reason, my friend, why you should cultivate fun, nonis a member of the Mixed Tribunal sense, lightness of heart-because you need them so much, because you are "weary with thinking." Then, do try to be young, even if you have to be foolish Court for the trial of all foreign cases in Egypt, and it is to be hoped that strict in so doing. One cannot be wise all the

time.

A FEAST IN MOROCCO.-We seated ourselves, and were served at once. Twenty-eight dishes, without counting the sweets! Twenty-eight immense dishes, which has destroyed nearly the whole of every one of which would have been laged by a mob, although the military enough for twenty people, of all forms, lagers. In the neighboring districts of odors and flavors ; monstrous pieces of mutton on the spit, chickens (with po-Turkey, Roumelia and Bulgaria, where matum), game (with cold cream), fish the name of America is hardly known (with cosmetics), livers puddings, vegetables, eggs, salads, all with the same the situation is much disturbed, owing dreadful combinations, suggestive of the to bands of Turkish soldiers having bebarber's shop; sweetmeats, every monthcome brigands. Further West, a body of Albanians had crossed the Servian fron- ful of which was enough to purge a man of any crime he had ever committed; tier and had an engagement with the Servians, in which several Albanians and with all this large glasses of water, were killed. It would be necessary to go back to the times of Amurath and had brought in our pockets; then a cup of tea, sweetened to syrup; and finally, Sobieski, to find a similar state of things an irruption of servants, who deluged the tables, the walls, and ourselves, with in that splendid and historical European peninsula, surrounded by the Adriatic, rose water .- | Morocco de Amicis. the Egean, the Marmora, and the Black ----

GARFIELD AND THE WELSH BARDS .-Gen. Garfield, it is said, is to preside Wherever there is fickleness, you may say with truth to him who is character-ized by it, "Thou shalt not excel." The over a gathering on the Scranton Eisteddfod, in this State, the trial of competiman who is constantly changing his occu- tive Welsh bards being claimed as of Welsh extraction himself. This expation, or constantly moving from one plains why he has retired to Mentor to situation to another, fails to better himget rested enough to write his letter of self in any thing, and lives only to illusacceptance. It is to be in the Welsh trate the proverb about the "rolling language (and it has a prior claim in point of time over the other invitations to the Presidency) naturally it requires Two old partners were contemplating time, seclusion and careful study. When a separation of business and asked their that is published it will be in order to ancient chief clerk which house he would like to go into. Quite innocently he look out for the other letter. It is to be said, "A house divided against itself hoped, however, that the General will cannot make two good stands." The dis- not get his, dictionaries mixed and express his willingness to grwyn yrbd to the wrong parties. It would have been Shakspeare probably had the present safe, however, to have written the style of female hair-dressing in mind English letter first.- Philadelphia when he said "hang out your bangers." Ledger.



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rels, Scimol, Fire-slarm, Fine LINFORTH, RICE & CO.