pearance of the stars on the last day of January is: allowed by law, and that an action could not be main- the ground there strewn with pieces of the most sump-Uranus and Spica, thus affording a tangible illustra- Union Needle Co., Cir. Ct., S. D. N. Y. tion of planetary wanderings.

January 7, 1888.]

PATENT MAPLE SUGAR.

Indiana, by which anybody who likes maple sugar to his dwelling, an injunction was granted as against and maple sirup may readily supply himself at a small the continuance of the nuisance. An unsightly buildlonger necessary to go through the tedious and exhausting labors of tree tapping and sirup boiling in Merte. Filed Oct. 10, 1887. Iowa. order to obtain maple sugar. If it should be found the interposition of Congress will be necessary to save assumed in description of it. The word "Cellonite" margarine butter industry, because the popular taste Manuf. Co., U. S. C. C., D. N. J. preferred it to the rancid and dirty stuff called genuine butter which is found in all the markets. But let us return to our subject.

The patent maple sugar is made by simply mixing an extract of hickory with any ordinary sirup, such as cane sugar sirup or sorghum. The patentee says:

traction of its principle, and the extract may be made Oct, 13, 1887. Mich. more or less strong by increasing or diminishing the quantity of bark or wood, or by boiling the extract for a longer or shorter time.

tablespoonfuls of the decoction to a gallon of heated or cements gauged with and without the addition of salt boiling sirup. Of course the stronger the extract theless to the water have been quoted in the Revue Industrielle. the quantity required for flavoring a given amount of Cubes of stones 6 c.c. in area were used in these experi sirup. The sirup may be manufactured from any kind ments, and were joined together with cement mixed of saccharine matter or mixture of saccharine matters, with water ranging from pure rain water to water or the sirups ordinarily found in the market may be containing from 2 to 8 per cent of salt. While the ceused. The effect of the extract or decoction is to give ment was vet fresh, the blocks were exposed in air at to the on up the navor of the maple, producing a sirup a temperature of 20° to 32° Fair, after which they were which cannot be distinguished from genuine maple kept for seven days in a warm room. At the end of sirup.

of great value, since a good substitute for maple sirup containing two per cent of salt was in better condition, is thus produced, which comes within the reach of all. but could not be described as good; while that con-

be produced.

that I do not claim broadly the use of extracts of the dissolved from freezing at the temperature named, and maple has been used for the same purpose. The maple, particular season, when outdoor building operations of the hickory, and it is well known that extracts of stability of green work is threatened by the same in- rooms. wood, as a rule, differ from each other in taste, accord- fluence. ing to the nature of the tree. I have discovered that the hickory tree will produce the flavor of the maple, and I therefore claim as my invention the use of the an agreeable flavor.

charine matter, including sirup and sugar, which con-writers differed as to the whereabouts of the quarries barking and the three days following, while some pasists in treating or impregnating the same with the prin-from which that stone was obtained, and in modern tients continued to take the medicine throughout the ciple or extract of hickory, as specified.

suitable saccharine matter flavored with an extract in 1845. The information published by these visitors This experience was subsequently confirmed in a comof hickory, substantially as described,"

Supreme Court Decisions.

a stream declared by act of Congress to be navigable the author started from Keneh with a small caravan dose had to be repeated, but it was never necessary to do not acquire title extending to the center of the and supplies calculated to last three weeks. Passing exceed 3 grammes to produce cessation of the sickness having constructed its track along the bank of such the fifth day, reached an excellent well in the charmriver, inside the limits of high water mark, acquires ing Wadi Kitar, hemmed in on three sides by precipititle as against the adjoining owners, and the riparian tous mountains. Soon after leaving this valley he owners are precluded from acquiring title by accretion. crossed the watershed (2.400 feet above the Nile), and Iowa.

capable of producing needles of a superior quality, sub-the author ascended to the top of a pass (3,100 feet), chester exhibition, comprising chemical and allied insequently obtained a patent upon the product of such machine. Held, that the patent was void, as an attempt to patent the function of the machine, and thus coloring on the opposite mountain, he resolved to go condensed but lucid descriptions of the many subextend the monopoly of the invention beyond the time there, and his delight knew no bounds when he found stances and apparatuses of which it treats,

Uranus, Spica, Mars, Jupiter, and Venus. On the 1st tained against one manufacturing the same kind of of January, it was Mars, Uranus, Spica, Venus, and needles by the use of the machine after the expiration Jupiter. During the month Venus and Jupiter met of the patent thereon, when the right to use it had beand passed each other; Mars overtook and passed come vested in the public.—Excelsior Needle Co. vs.

Nuisance-Keeping Troublesome Animals.-A party erected a shed on his lot adjoining the lot of another, and kept there horses, poultry, and hogs. In an appli-Among the curious inventions for which a patent has cation by his neighbor for an injunction restraining been granted is one to Josiah Daily, of Madison, him from keeping these animals in such close proximity cost. If the patentee's statement is correct, it is no ing erected near the residence of another is not a nui- Nile, a distance of 96 miles, but they will in future be sance per se, and cannot be enjoined.—Trulock vs.

that the patent process will also convert into maple a corporation of a company's name, which is a usual terms of which have since been ratified. sirup a solution of the newly discovered chemical sweet name, and having the same sense and a like appearknown as "saccharine," which is said to be three hun-ance, is a violation of a trade right as using a trade dred times sweeter than cane sugar, or the more recent name. Where an arbitrary name is used for an article, artificial sugar of Drs. Fischer and Tafel, then the very a trade mark may be secured therein, though subseacme of transformation will have been reached, and quently the public may give the article the name the genuine maple sugar industry from going to de-stamped upon goods similar to goods stamped "Cellustruction. This would only be in keeping with the action loid," being the same article, is a violation of the trade of Congress last year, in its effort to suppress the oleo- mark "Celluloid."—Celluloid Manuf. Co. vs. Cellonite

Master and Servant-Injury to Employe from Defective Machinery.—An employe of a furniture factory was killed, the knife flying out of a rapidly revolving shaper head. The device for holding the knife was a new one, invented by one of the managers of the factory, and had never before been used. In an action each slide to be furnished with a white paper disk, pre-"The extract is to be obtained in any convenient; for damages for the killing, the court ordered a verdict manner, such as making a decoction of the hickory for defendant, and on appeal the judgment is reversed bark or wood, or percolating liquid through the same, on the ground that the question whether or not it was or drawing off the sapfrom the tree. The bark or wood a safe implement should have been submitted to the the slide is inverted, as of course it must be for insertion of the hickory tree may be ground to facilitate the ex- jury.—Marshall, Admr., vs. Widdicomb Fur. Co. Filed in the lantern carrier, this disk will come exactly un-

Salt Water for Cement Mortar in Winter.

The following German experiments designed to as-"In preparing sirups, I ordinarily add about three certain the effect of frost upon hydraulic mortars and this time the specimens were examined. The cement "The high price of maple sirup, as well as its scarcity made with pure water was quite crumbled, and had throughout the country, renders this improved sirup lost all its tenacity. The cement mixed with water down and a sugar resembling maple sugar in taste may posure to the lowest temperature available for the pur-In defining the limits of my invention, I would state had the effect of preventing the water in which it was wood or bark of trees for flavoring sirups or sugars, as so permitted the cement to set in the ordinary way. I am aware that a decoction made from the wood of the These results may, however, be usefully cited at this

Egyptian Porphyry Quarries.

hickory extract wherever it may be employed to impart | quarries of Egypt was given at the last meeting of the | of antipyrin as a remedy against seasickness. He phyry has been sought after from the earliest times, as previously suffered terribly from seasickness, 3 grms. '1. The method herein described of flavoring sac- one of the most precious building stones. Ancient daily of antipyrin on the three days previous to em-"2. An improved sirup or sugar consisting of any Wilkinson in 1823, and subsequently visited by Lepsius crossed the Atlantic without suffering from seasickness. proving of no immediately practical value, the author munication from M. Ossian-Bonnet (Compt. Rend. ev., determined to follow in the footsteps of Wilkinson, 1028), who states that in about sixty cases occurring and, accompanied by his wife, he went to Cairo in during a voyage to Buenos Ayres and back, he found The following are recent decisions in the Supreme February last. Having examined the ancient granite antipyrin invariably effective in arresting seasickness, Courts of several States indicated on diverse subjects, quarries at the first cataract, which supplied deep red, though the dose required was variable. In most cases all of which are important for business men to know: rose, and dark gray stone, which was quarried by 150 gramme was sufficient, the complete effect being Riparian Rights.—The owners of land bounded by metal wedges, and not wood (as is generally supposed), stream upon the repeal of the act. A railroad company the remains of several Roman stations, the author, on -C., B. & Q. Ry. Co. vs. Porter. Filed Oct. 6, 1887. then traveled along the flank of the immense prophyry mountain of Gebel Dukhan as far as the old Roman Patent Needle Machine.—The patentee of a machine, station with an old fort. The morning after his arrival Professor Watson Smith upon section 3 of the Manwithout having found even a fragment of porphyryl; but espying by the aid of a good field glass porphyry historical information it contains, as well as for the

tuous porphyry, and discovered a pitched way or slide. 16 feet wide, down which the blocks were lowered. Further examination led him to the locality where the Romans had extracted their grandest masses, and he found that these quarries had yielded not only the usual spotted variety, but also the brecciated sorts and green gravs.

The great quarry was at an altitude of 3,650 feet above the sea, and a road led down from it to an ancient town with workshops. A path led hence to the old town in the valley, further up which are the ruins of a Roman temple. The blocks were formerly carried to the conveyed by a gentle incline to the Red Sea, which is about 25 miles distant. On his return to Cairo the Trade Marks.—The use of a trade name, though by author secured a concession to rework the quarries, the

PHOTOGRAPHIC NOTES.

Marking Lantern Slides.—It is frequently perplexing to the amateur to tell which side of a lantern slide should go toward the screen. The general guide is to place the slide in the lantern with the film side toward the condenser, and in connection with this subject we take some practical suggestions from The Camera, as follows: "We all know what a distressing and common experience it is, during a lantern exhibition, to see an occasional picture placed before the audience upside down. This would be altogether avoided if the operator had a ready means of knowing which side of the glass picture must be placed next to the light, and which was the top of it. The best plan we know of is for ferably placed beneath the cover glass, so that it cannot be rubbed off. This disk should be placed on the bottom left hand corner of the front of the picture. When der the thumb of the operator. It can, moreover, be well seen in the dim light of the exhibition room.

Detecting Leakage in Pipes,

Mr. W. P. Gebhard tells how those who are neither plumbers nor sanitary inspectors may locate the slightest leakage in water pipes by introducing essence of peppermint into them. The best place to do this is outside on the top of the roof, because if the odor is released in a room or around a fixture, even for an instant, it would be impossible to detect a leak afterward Whoever applies the neppermint should remain on the roof, as he would otherwise carry the odor on his clothes into the house. As to the best means of using the peppermint, some persons pour an ounce or two of pure peppermint into a pail of very hot water, and pour it into the soil pipe, while others pour in the oil and follow it with hot water, taking care while the search is conducted be-"It is evident that the flavored sirup may be boiled taining 8 per cent of salt had not suffered from its ex- low to cover the top of the soil pipe above the roof. There is thus no chance of escape, unless through poses of experiment. It is possible that the salt merely leaks in the pipe, and a careful examination of every line of pipe, and around each fixture, will readily enable the investigator to determine where, if any, there is a leak. Care should also be taken that while the examination is being made none of the fixtures shall be discharged, as otherwise the air in the pipes laden however, belongs to a different genus of tree from that are liable to be suspended on account of frost, and the with the peppermint odor might find its way into the

Antipyrin in Seasickness.

In a note presented to the Academy of Sciences An account of a recent visit to the ancient prophyry (Compt. Rend.) M. Dupuy calls attention to the value British Association, by W. Brindley. Egyptian por states that he prescribed to some persons who had times they were literally rediscovered by Burton and voyage, and he has been informed that all these persons produced in about ten minutes. In other cases the within an hour. In a few cases, where the sickness was so incessant as to prevent absorption by the stomach, the same effect was produced by the hypodermic injection of 1 grain of antipyrin.

Chemical and Allied Industries.

We give in our this week's SUPPLEMENT a report by dustries. The report is remarkable for the interesting