Poisoned by Revenue Stamps.

Ex-Mayor Butler, Binghamton, N. Y., has been seriously poisoned about his face and hands by handling government revenue stamps used on cigar boxes. While the weather was very hot and he was perspiring freely, he stamped and canceled the stamps on a large number of cigar boxes. Green dust flew from the stamps and covered his hands and wrists, and a handkerchief used by him for wiping his face and neck also became filled with the dust. The result was a severe and deep poisoning wherever the dust touched. years hence, when the corner stone shall be opened and the There was evidence of poison breaking out on one ankle, showing that it was spreading through his system. Ex-Alderman Jackson, of the revenue office in Binghamton, has been troubled for about a year with a skin disease resembling closely the poisoned surface of Mr. Butler.

THE GREENLAND WHALE AND THE GRAMPUS.

The annexed engraving represents a combat between the Greenland whale (Balana mysticus) and the grampus (Delphinus grampus), the most voracious of the inhabitants of the ocean. It does not devour one third of the animals it kills. It is the greatest enemy of the whale, and dead bodies of whales have frequently been found having large pieces of fleshtorn from the body, and the lips mutilated or destroyed. As soon as the whale opens its mouth to defend itself the grampus darts at its large soft tongue, tears it off, and causes the death of the animal.

It is said that the grampuses are fond of amusing themselves by mobbing the Greenland whale, and that they persecute it by leaping out of the water and striking it sharply with their tails as they descend. In consequence of this it -has been called the thrasher or killer. The swordfish is reported to join the thrasher in this amusement, and to attack the whale from below to prevent it from diving. Whatever may be said of the latter part of the story, the former is certainly true, and is corroborated by Capt. Scott, who has often seen this strange sight.

The grampus is from twenty to thirty feet in length and from ten to twelve feet in girth. It has forty-four conical, strongly made, and slightly curved teeth. Its color is black on the upper part of the body, suddenly changing to white on the abdomen and part of the sides, and there is generally a white patch of considerable size behind the evelid.

Although it sometimes wanders to more southern regions, its favored home is in the northern seas that wash the coast of Greenland and Spitzbergen, where it congregates in small herds.

The Greenland whale, northern whale, or right whale, as it is indifferently termed, is an inhabitant of the northern a mixture of silicic acid, alumina, and sodium carbonate, in scas. It is, when full grown, about sixty or seventy feet in such proportions that the oxygen of protoxide, sesquioxide, length, and its girth about thirty or forty feet. Its color is and acid are as 1:3:4, are heated together; white silk-like velvety black upon the upper part of the body, the fins, and crystals are obtained which, under the microscope, are seen the tail; gray upon the junction of the tail with the body to be small hexagonal prisms (they are 0.12 min. long and and at the base of the fins, and white upon the abdomen 0.06 min. broad), which accord in every respect with natural

body is caused by the oil which exudes from the epidermis, and aids in destroying the friction of the water. The jaw opens very far back, and in a large whale is about sixteen feet in length, seven feet wide, and ten or twelve feet in height. The most curious part of the jawand itsstructure is the remarkable substance that is popularly known as whalebone, which is found in a series of plates, thick and solid at the in sertion into the jaw, and splitting at the extremity into a multitude of hair-like fringes. On each side of the jaw there are more than three hundred of these plates, which, in a fine specimen, are about ten or

The Human Voice a Corner Stone Memento.

A great many novel articles have been placed under corner stones of public buildings and other structures about being erected. But the most novel article we have known to be thus deposited was in laying the corner stone of an academy in Massachusetts the other day. It was nothing less than a strip of the human voice imprinted on tin foil by the phonographic process. There is no comprehending the curiosity this bit of tin foil will be to the people of a couple of hundred voice taken out, and found to articulate the words and sentiments of one long since dead and forgotten.



ARMCHAIR DESIGNED BY SCHMIDT & SUGG, VIENNA.

Artificial Formation of Felspars–Nepheline and Leucite.

F. Fouqué and A. Michel Levy have recently prepared the minerals above mentioned. Nepheline is formed when and fore part of the lower jaw. The velvety aspect of the crystals of nepheline. If somewhat more silicic acid be both his finely cultivated and extensive vineyards but one

different minerals was obtained: nepheline, pale green spinel, garnet in brown-yellow octahedra, and microlite. Leucite was also found in the fused product, and resembled both in form and optical characters the natural mineral.-Comptes Rendus.

Volcanic Oil Well.

An oil well on Kendall Creek, near Tarport, Cattaraugus county, N. Y., having ceased to yield oil, the operators recently pulled up the tubing, and as no obstruction was found in that, it was decided to torpedo the well. Before arrangements were completed for the operation, a sound like that of steam escaping from a locomotive valve, and then a rumbling noise, were heard in the well, and a trembling of the earth was felt. Presently a shower of stones, ashes, and dry dust, accompanied by a dense cloud of gray smoke, was thrown in the air. The eruption lasted only a few seconds, and then oil began to flow copiously. The well has since been yielding nearly double its former quantity. The stones thrown up from the well were rough and light, like pumice stone. The ashes were red and gray.

..... The Grape Rot.

We recently visited the vineyards of Vineland, N. J., to ascertain with what success those were meeting who have been experimenting in protecting their vines as a remedy against the "grape rot," which has been so destructive in Southern New Jersey the past two or three years. In company with E. G. Blaisdell, the courteous and enterprising editor of the Vineland Weekly, we made a tour of inspection of several of the vinevards.

In the March 1st issue of the Farmer our correspondent from Red Plains, N. C., recommended the use of a board covering over the trellis as a remedy against rot and mildew. The idea was taken up by our Vineland grape growers, and experiments are this year being made in many of the vineyards. The experiments so far are entirely successful.

Some have experimented by using manila paper bags just large enough to hold within it a cluster of grapes. The bag is slipped over the bunch and securely pinned at the opening, and is left on until the grapes are ready for the market. We first visited the vineyard of George Scarborough, Esq., who put on five hundred bags as an experiment. In all cases where we removed the bag we found the cluster perfect, unless where the bag was not put on soon enough. Experiments thus far have shown that they should be put on about ten days after the blossoms appear, for all that were covered at that stage were found perfect. Mr. Scarborough has largely experimented this year with the board covering, and is so well satisfied with the results that next year he will cover all his grapevines with them. In every case where the board protection was used the grapes were found perfect-not a sign of rot could be found, while the next vine, left uncovered, would not be worth picking. Last year, in

crate of grapes were picked, when the work was abandoned and given up as not paying for the labor. Last year he found that the "Concord" rotted worse than the "Ives Seedling," and the "Champion" worse than the "Concord." We next visit-

ed the large vineyard of D. Rood, Esq. This gentleman has 30,000 paper bags in use.with results the same as in Mr. Scarborough's vineyard. One man will put on one thousand bags in

a day. The ex-

tensive vineyards of Colonel

Alex. W. Pear-

son were examined. Here

the board cover-

ing only has been

used, and with

gratifying re-

sults, as in the

other cases. The colonel is pretty

well satisfied



COMBAT BETWEEN THE GREENLAND WHALE AND GRAMPUSES.

separating it from the water,

twelve feet long and eleven inches wide at the base. A taken, like that corresponding to the proportion 1:3:41/2, a that the board covering is the remedy against "grape rot," large whale furnishes about one ton of whalebone. These completely crystalline mass is obtained, which bears in its and next year will make a wholesale matter of the covering. masses of whalebone are placed along the sides of the mouth optical characters the same resemblance to hexagonal nephe- From our observations we would pronounce in favor of the for the purpose of aiding the whale in procuring food and line as chalcedony does to quartz. By melting together one board covering. It not only affords protection from the tenth pyroxene and nine tenths nepheline a mixture of four disease, but protects from the early frosts. The first cost is balanced by the length of time it will last.

The fruit prospect about Vineland is certainly of the most encouraging nature. Large orchards of choice pear trees islands of the tropics are witnesses of the depression of the velvet or other fabricated material adapted to fit over the are laden with excellent fruit; we observed many pear trees broken down with the weight of the fruit. An unusually large crop of berries were shipped to the Philadelphia and New York markets from this place, and such a thing as "hard times" seems to be unknown among the thrifty fruit flect upon these widespread changes of sea level that marked growers of Vineland.-Ohio Farmer. ----

The Entomological Club.

The Club on Entomology, connected with the American Association, held its sessions on the day preceding the general meeting. Prof. J. A. Lintner, of Albany, president, delivered an address, telling of the great advances made in the study of insects and the increasing interest manifested in the subject. At the last session of the club the names of 280 entomologists were reported. Investigation since has increased the list to 835 persons engaged in the study of entomology in the United States.

At the afternoon session many specimens of insects were exhibited, among others some from California of the Pzudohazis eqlanteriana. Prof. Samuel H. Scudder, of Cambridge, presented specimens and a description of the operations of the Retina brustian, an insect now ravaging the pine trees of Nantucket and other evergreen trees in different places. Prof. Comstock, United States Entomologist, exhibited specimens of the larger species of the same genus.

Prof. August R. Grote. Director of the Museum of the Buffalo Society of Natural Science, stated that he believed the damage done by Paris green was greater than that done by the potato bug. His opinion was based on a careful even men and women. He referred to the laws in Germany restricting the open and promiscuous sale of such poisons, and thought it the duty of the members of the club to do all in their power toward educating the people up to the bad effect of this and kindred poisons, aniline dyes, etc., with a view to effecting legislation. Prof. Comstock presented specimens of an insect which preys on the eggs of the barklouse, taken from the maple. Prof. C. V. Riley, of the United States Entomological Commission, gave an account a light, cheap, and easily adjustable shade, that may be of two species of moths affecting the yucca. Professor Samuel H. Scudder told of a fossil insect of a very singular shape, obtained from tertiary rocks. Prof. W. S. Barnard, of Cornell University, showed specimens of a small bug which kills bees and butterflies much larger than itself. He also gave an account of the pear bug-louse, which causes a certain blight to the pear tree. Prof. William Saunders, editor of the Canadian Entomologist, gave an account of insects he had seen caught by the bidens, not heretofore sup- of the shoe improved. The invention consists in providing posed to be a carnivorous plant.

New Theory of Sea Level Changes.

he shows that it is due to glacial action, the author presents levels:

The plains of Cape Cod are further like those of Long Island, Martha's Vineyard, and Nantucket, in being indented drawing the pin. by narrow arms of the sea, which reach one to two miles inland, filling the lower end of long depressions that congenerally border the terminal moraines on their south side appear to have been formed by the same floods which de- Redmon, Jr., of Cynthiana, Ky. The invention consists in a to project it at any object, as it may return and strike himposited the large amounts of modified drift along the edge grooved weight, wedge shaped in the cross section, and proof the ice sheet. Much of their finer gravel and sand was carried forward by the descending currents, and spread ing hook, having a shoulder and toe on its lower end, by shooting round a corner equally as well as straightforward. in these gently sloping plains, while the valleys of drainage which it is secured in a suitable rabbeted slot in the horseseem to have been made by the same waters at their lower shoe. stages

The continuation of these valleys below our present sea level calls up one of the most complex but at the same time | water for steaming feed, scalding hogs, and for laundry most important and interesting questions connected with purposes. The water chamber is made of wood, and from glacial geology. This feature shows plainly that when these the bottom over a central opening rises the fire chamber, valleys were formed the sea did not reach so high upon the the sides of which are corrugated to increase the heating surland as now; and if we extend our inquiries we find that face without increasing its height beyond a safe point, and everywhere around the world the glacial period was marked its top is covered by a concave or inverted conical crown, by most extraordinary changes in the relative heights of land from which rises the flue pipe, which is carried through the and sea. These remarkable oscillations, which had one ex- top of the water chamber. The apparatus has a grated fire

greater than the paper bag covering, but this is counter- hemispheres, we have proof of such a submergence of the the wire and fastening its upper edge by wrapped wire, the glacial period, occurring only where they would be prothese recent simultaneous changes with the general stability of the continents, we seem compelled to attribute them to movements of the sea rather than of the land.

Because of the attraction of accumulations of ice that still glacial period, the sea along the eastern coast of the United States appears to be lower now than during those periods, leaving pre-glacial deposits with marine shells, apparently Post-pliocene, fifty to two hundred feet above our present sea level, under the terminal moraine and modified drift of Long Island. The entirely unstratified character which marks many portions of the terminal deposits of the ice extension of the channels which appear to have been cut by the floods formed at its melting, indicate that at the south coast of New England the sea was depressed in the glacial period below its present height. The submarine channel of hundred feet lower than now, apparently because the south ing its attractive force at this latitude. With the more complete departure of the ice the sea level has been restored to being still rising on the eastern coast of the United States at the rate of about a foot, or less, in a hundred years.

.... MISCELLANEOUS INVENTIONS.

Mr. Dabney C. T. Davis, of Greenwood, Va., has invented fitted to any style of hat, and removed at pleasure. It is designed for keeping off the rays of the sun and inducing a current of air to pass around outside of the hat and in contact with it in order to keep it cool.

Mr. William C. Egan, of New York City, has invented an improved fastening for ladies' and children's shoes, whereby the trouble and annoyance resulting from the use of buttons, lacings, or other devices may be avoided and the appearance a shoe with elastic insertion and alternating scalloped edges, provided with studs on the points for receiving a lacing.

through a hole made in the pendant, through the ears, and stem; but it is held in the pendant unless released by with-

An improvement in the construction of toe weights (or side weights), such as are used attached to horses' feet for induclating the gait of horses, has been patented by Mr. Hope vided with a spring catch, combined with a toothed clamp-

Mr. Isaac A. Powell, of Elk Falls, Kan., has patented improvements in the construction of apparatus for heating

land when the drift was accumulated, increasing in amount which is concealed within the lower end of the handle. The the nearer we go to the poles. On the other hand, the coral handle is made of a paper tube wrapped or covered with sea in this period, amounting to three thousand feet, or per- wooden stock, to which it is secured by glue or tacks, etc. haps more, at the equator, while different evidence shows and a cap piece nailed to the upper end of the stock. It has that at the mouths of the Mississippi, Ganges, and Po rivers, a loop, the lower end of which is fastened under the lower it was at least four hundred feet lower than now. If we re-edge of the handle, and its upper end under the cap piece. An improved table for playing ball games has been patented by Messrs. Edwin M. Macy and Rufus Russell, of duced by taking water from the sea to form ice sheets and Longview, Texas. It consists of a bed, upon which the by gravitation through their influence, and if we compare balls are rolled, having at the end spaces for the balls to pass through, and behind these a pit communicating with a return ball alley, also an elastic cushion, against which the balls strike.

An improved double-acting lift pump has been patented remain about the poles, where probably little or none existed by Mr. William Loudon, of Superior, Neb. It consists in in tertiary times and at the epoch immediately preceding the providing the upper end of the cylinder, on the outside, with a flange, to which the upper head is screwed or otherwise attached Through this flange are made water ways, uncovering the tertiary border of the Southern States and through which the water passes upward to enter the cylinder.

-----The Juice of the Tomato Plant as an Insecticide.

A writer in the Deutsche Zeitung states that he last year had an opportunity of trying a remedy for destroying green fiy sheet, reaching quite to the sea shore, and the still lower and other insects which infest plants. It was not his own discovery, but he found it among other recipes in some provincial paper. The stems and leaves of the tomato are well boiled in water, and when the liquor is cold it is syringed over plants attacked by insects. It at once destroys black Hudson river shows that after this time it sank five or six or green fiy, caterpillars, etc.; and it leaves behind a peculiar odor which prevents insects from coming again for a long study of its effects on horses, cattle, sheep, chickens, and part of the glacial sheet had been melted, greatly diminish- time. The author states that he found this remedy more effectual than fumigating, washing, etc. Through neglect a house of camellias had become almost hopelessly infested approximately the same condition as before the glacial period, with black lice, but two syringings with tomato plant decoction thoroughly cleansed them. -Gardener's Chronicle,

..... The Sand Box 'Free,

On the far side of the island (St. Thomas), says Mr. Moseley, I saw several "sand box trees (Hura crepitans). The tree is one of the Euphorbiaceæ, allied to our spurges, and has a poisonous, irritant juice; but its most remarkable peculiarity is its fruit. A number of seed capsules, shaped like the quarters of an orange, are arranged together side by side as in an orange, so as to form a globular fruit. When the fruit has become quite ripe and dry, suddenly all the capsules split up the back, opening with a strong spring, and the whole fruit flies asunder, scattering its seeds for a distance of several yards, and making a noise like the report of a pistol.

----The Boomerang.

This curious weapon, peculiar to the native Australian, A simple, easily adjusted, and efficient device for securing has often proved a puzzler to men of science. It is a piece In an interesting article by Warren Upham, in the Ameri- watch stems in the pendant, has been patented by Mr. George of carved wood, nearly in the form of a crescent, from 30 to can Naturalist, on the "Formation of Cape Cod," in which F. Dobiecki, of Brooklyn, N. Y. It consists of a pin passed 40 inches long, pointed at both ends, and the corner quite sharp. The mode of using it is quite as singular as the the following theory of the causes of the changes in sea through the bushing, and engaging an annular groove or weapon. Ask a black to throw it so as to fall at his feet, notch in the stem. Freedom of movement is allowed the and away it goes full 40 yards before him, skimming along the surface at 3 or 4 feet from the ground, when it will suddenly rise in the air 40 or 60 feet, describing a curve, and finally drop at the feet of the thrower. During its course it revolves with great rapidity, as on a pivot, with a whizzing tinue across the plains to the north, being either dry or oc- ing an increased tendency of the horse to throw his feet for- noise. It is wonderful so barbarous a people should have cupied by small streams. The plains and valleys which thus ward and increase his speed in trotting, or otherwise regu-invented so singular a weapon, which sets laws of progression at defiance. It is very dangerous for a European to try self. In a native's hand it is a formidable weapon, striking without the projector being seen; like the Irishman's gun, An engraving of one of these curious implements was published in these columns some time ago.

----The Objects of Study.

The duties of the teacher are tersely set forth in the New York School Journal as follows:

His business is to develop, discipline, and train the powers by which knowledge is gained; besides, in performing this work he will lodge in a secure and usable form all the useful knowledge possible. He will make as his great leading object the training of the mind; he will next direct the pupil's attention to his own mental processes, to show him when he

the equator and the other at the poles, appear to basket, adapted to fit up into the fire chamber, and it has an thinks accurately; this is sometimes called *teaching to think;* have been changes in the level of the ocean. It seems not opening on one side for supplying fuel to the fire without he will teach the pupil to arrange and classify his knowledge; unlikely that an eighth part of the earth's surface had be removing the basket entirely from the fire chamber. he will teach the pupil to give good expression to his know-

come covered with ice, and if we consider a slope of one Mr. Lafayette Smith, of Millersburg, Ind., has invented ledge. These being the objects the teacher aims at, he rehalf a degree to be needed to give it motion, an estimate of an improved eaves trough hanger, which consists of a flat quires study in order that he may secure these objects; they four miles for its average depth does not seem to be too sheet metal bar, from which depends a perpendicular bar or may be set down as the objects of study. And if a person great. The removal of the water thus taken from the sea rod whose lower end embraces a round or flat cross bar set has no teacher, he still needs all of the above effects, and to and stored up in accumulations of ice would lower the sur- horizontally across the trough and firmly secured thereto produce them he uses study. It is plain, then, that study is face of the ocean more than half a mile. At the same time with solder. the indispensable means to be employed to obtain education.

this vast accumulation of ice in high latitudes must draw the Mr. Edmund R. Banks, of Cynthiana, Ky., has patented SCIENTIFIC EDUCATION .- It would certainly be a great sea by gravitation away from the equator toward the poles. an improvement in coffee and tea pots, in which the con-This cause appears to have retained the sea level at about its struction is such that the coffee and tea can be steeped and boon to the world if the general level of scientific educapresent height near the lower limit of the ice sheet, while in the pots placed upon the table without its being necessary to tion could be raised, so that each young man or young arctic regions it rose much higher than now. Marine shells strain the coffee and tea. The invention consists in the wire woman, when he or she issues from school doors, should in the modified drift show that the sea thus stood fifty to gauze cup suspended detachably from a hook attached to the have enough definite knowledge of the great laws of the two hundred feet above its present height on the coast of cover of the pot. physical universe to instantly denounce blue glass theories

New Hampshire and Maine; five hundred feet in the valley An improvement in wisp brooms has been patented by and attempts at perpetual motion, not from the pride of of the St. Lawrence, and one thousand to two thousand feet Mr. James H. Flynn, of Schenectady, N. Y. This invention knowledge, but from the feeling that error, credulity, and higher than now along the west coast of Greenland. Every consists in fastening the under edge of the cap to the wisp superstition should be combated with truth.-Prof. John where in high latitudes, both in the northern and southern by wrapping it with wire, and then drawing the cap up over Troubridge.