any particular party, nationality, religion, or association, pale yellow. The thorax is yellow, with a central black spot will be visible for several weeks, but only through the teleshall be summarify dismissed from the service.

superintendents or under officers.

A TROPICAL FRUIT.

A writer in the Gardener's Chronicle, in an article on the fruit the durion. He says that the regal durion (Durio must be eaten fresh and just at one particular point of ripeness, and then it is a fruit fit for a king. So highly is this crops brought into the Eastern markets. It is a universal of fruits with the worst of characters," and, as the Malays say, you may enjoy the durion, but you should never speak ties that may adhere after the larva has been feeding. The ticed himself to Henry Eckford, ship builder, at an early vague, so insinuating, that it can scarcely be tolerated inside others, the most fascinating to the palate when once we have less degree than the mature insect. "broken the ice," as represented by the foul odor at first presented to that most critical of all organs of sense, the is the Photuris pennsylvanicus (De Geer). In some species of Mr. Dimon retired from business in 1854. He had for his nose. As a matter of course, it is never brought to table in both the genera here mentioned, the females are incapable the usual way, and yet the chances are that whoever is lucky enough to taste a good fruit of it to begin with, soon develops into a surreptitious durion eater. There is scarcely worm of Europe (Lampyris noctiluca), belonging to the same any limit to durion eating if you once begin it; it grows on family, the female retains the larval form, and has the one like the opium habit or other acquired taste; but, on the other hand, the very suggestion of eating such an "unchaste fruit," is to many as intolerable as the thoughts alone of supping off cheese and spring onions, washed down with beer, and following it by a whiff from a short "dhudeen," by way of dessert.

About the middle or end of July, durion fruits are very common in Singapore, and their spiny skins lie about the streets in all directions. As you pass along you become ed in the same neighborhood—namely, on the farm of Hugh aware of a peculiar odor all around you—an odor like that, Kelly, at Little Britain, N. Y. The skeleton appears to be of a putrid sewer when half suppressed by holding a perfumed handkerchief to the nose—a blending of a good deal that is nasty with a soupcon of something rather sweet and the large chestnut like seeds is perfectly unique; and to taste others larger but with stiff orange-red pulp, not at all nice 600 pounds. to eat, however hungry you may be, and even the larger in flavor. The trees vary from 70 to 150 feet in height, joint of the hind leg measures 2 feet 5 inches in length, and is oblong acuminate, dark green above, paler and covered part of the other fore-leg yet found is the second joint, are produced about April, and form a great attraction to an | bones are among the lot, among them that of a toe, measurenormous species of bat, a kind said to be one of the greatest ing 61/2 by 41/2 inches. pests of Eastern fruit-groves. The finest fruits are obtained from cultivated trees.

Sumatra, Java, Celebes, and The tree does well Spice Islands, and even as far north as Mindanao. Forests of it exist on the Malay Peninsula, and very fine fruit is brought to Singapore from Siam about July or August. It does not succeed well in India, and cannot be grown in the July 5, that from observations made by Professor Hough, dropped 15 degrees in 10 minutes. The minimum tempera-West Indies.

FIRE-FLIES.

The insects termed fire-flies in America, and which lend such a charm to our summer nights, are soft-winged beetles of the family Lampyride, which have the property of emitting from the abdomen flashes of soft, phosphorescent light. There are several distinct species of these so-called "fireflies" indigenous to North America, the most common and widely distributed of which is *Photinus pyralis* (Linn.). This insect most abounds in the Southwest, where, during summer evenings its constantly recurring flashes of light beautifully illumine the air. The perfect insect is of oblong form, length. The wing-covers are dull black, margined with rapidly, but is approaching the earth somewhat slowly, and achievement are inestimable.

It would be well if the proprietors or chief officers in of the abdomen is dark brown, with the exception of the two brilliancy on the 1st of July, when it was just visible with a some other branches of business where large numbers of terminal segments from which the light is emitted, which are 21/2 inch telescope. men are employed, would exact similar requirements of their sulphur yellow. The manner in which the flashes of light are produced is not yet satisfactorily determined, but would accompanied by a peculiar voluntary action of certain ab- for the abrupt change in right ascension. dominal muscles. The larva of this species, which may edible fruits of the forests and gardens of the Eastern serve to illustrate the larval habits of the family, lives in the short and faint tail inclined at a considerable angle from a tropics, gives a long and interesting account of that singular earth and subsists mainly on earth worms. It is of an elon-point opposite the sun. On another clear night he was able gate slender form, each joint having on top a horny brown zibethinus), like the finest of nectarines or melting pears, plate, which is ornamented with a central straight line of peared to be double. Neither of the last two phenomena The sides are soft, and rose colored, with the white spiracles jects, and then only on nights exceptionally clear and with vegetable custard valued that as much as a dollar each is situated on elevated brown patches. The under surface is instruments of fine definition. often paid for fine specimens of the first fruits of the durion | cream color, and each segment is marked in the center with two small brown spots. The thoracic legs are quite long, and favorite with both Malays and Chinese, but the opinions of the posterior extremity is provided with a singular fan-like Europeans vary as to its merits. It is a paradox, "the best proleg, which not only assists in locomotion, but serves to cleanse the head and fore part of the body from the impuriof it outside of your own dwelling. Its odor is so potent, so pupa is formed within an oval cavity in the earth, and is age, and when but eighteen years old was sent by the latter white, with a tinge of crimson along the back and sides. It of the house. Indeed nature here seems to have gone a lit-remains in this state only about ten days. Both larva and served in the war of 1812. Afterward, associated with tle aside to disgust us with a fruit which is, perhaps, of all pupa have the power of emitting light, though in a much Stephen Smith, Dimon became a prosperous ship builder,

> The "fire-fly" most common in the more Northern States of flight, the true wings being entirely undeveloped, and merest rudiments of wings. - Prof C. V. Riley.

Discovery of Another Mastodon.

In 1845 the largest and most perfect skeleton of a mastodon ever found was taken from a swamp in the town of New Windsor, near Newburg, N. Y. It was set up by Dr. War ren, and is now in the Boston Museum.

On July 5, the bones of another mastodon were discovernearly if not quite complete, and the separate bones are in fine condition.

The dimensions of the chief parts of the skeleton found nice. On opening a fruit for yourself, you find that the are as follows: The skull is 45 inches long, 28 wide, 29 high, perfume, like that of musk plant, ceases to be evident after and 231/4 between the eyes. The diameter of the nostrils is you have once had a fair whiff at it at close quarters. The 6 inches, the nostrils extending into the head 2 feet. Four flavor of the straw-colored, custard-like pulp surrounding teeth were found in each jaw in an excellent state of preservation. The enamel is of a bluish tint and unbroken. The it, as Wallace tells us, is a "new sensation worth a journey four back teeth are eight-pointed, measure 7 by 31/2 inches, to the East to experience." The pulp is sweet, rich, and and stand 3 inches out of the jaw. The four front teeth satisfying, but never cloys; the richness seems counteracted are six-pointed, and measure 41/4 by 31/2 inches. The depth by a delicate acidity, and the want of grape-like juiciness is of forehead is 18 inches; the eye-sockets are 7 inches in supplied by the most creamy softness of the pulp as it melts diameter, and the ear-sockets 18 inches in diameter. On away, ice-like, on your tongue. The durion is one of Dame each side and above the mouth are holes measuring 64 Nature's "made dishes," and if it be possible for you to inches in diameter, from which probably protruded the imagine the flavor of a combination of corn flour and rotten tusks, which have not yet been found. These openings excheese, nectarines, crushed filberts. a dash of pineapple, a tend into the skull a depth of two feet. There are eight spoonful of old dry sherry, thick cream, apricot pulp, and fangs on each back tooth and six on each front one. The a soupcon of garlic, all reduced to the consistency of a rich space between the rows of teeth across the jaws measures custard, you have a glimmering idea of the durion, but, as 7½ inches on the upper and 6¼ inches on the lower jaw. before pointed out, the odor is almost unmentionable—per. In the center of the forehead is a cavity measuring 11 by 4 fectly indescribable. The fruit itself is as large as a Cadiz inches. It cannot be surmised what this cavity indicates, melon, and its leathery skin is protected by sharp broad unless it be for a trunk between the tusks corresponding to based spines similar to those of a horse-chestnut. There are that of an elephant. The lower jaw was joined to the upper many varieties in the Bornean woods some but little larger after they had been unearthed, making a perfect skull. It than horse-chestnut fruits, and having only two seeds; is estimated that the skull complete will not weigh less than

The fore-leg, including the thigh bone, measures 7 feet in kinds, with creamy pulp and many seeds, vary greatly length, and it weighs, it is judged, 150 pounds. The first with tall, straight boles and spreading tops, and the foliage the second joint of the same leg 3 feet 4 inches. The only with reddish hairs or scales below. The fruits of the finer | measuring 3 feet 10 inches in length. A dozen or more secvarieties fall when ripe, and are often the cause of serious tions of the spine are among the bones unearthed. The accidents to the natives. The clusters of large white flowers largest measures 10 by 16 inches. A score or more other

These measurements indicate an animal rivaling in size the one described by Dr. Warren.

Swift's Comet.

and by Professor S. C. Chandler, at Boston, on the 26-30, remarkable than the snow-flakes. Professor Chandler has computed the following parabolic elements referred to the mean equinox of 1879:

has been observed during authentic history. In fact, they Brown, of the United States Engineers, inspector of the differ widely from all recorded comets since 370 years B. C. work. The jetty channel is over thirty feet deep, and a down to our own time. If correctly calculated the orbit of good navigable channel of twenty-six feet, measured at the this comet is parabolic, and the comet is visiting us for the lowest stage of the river, exists at the head of the passes. somewhat flattened, and varies from 1/2 to 1/8 of an inch in first and last time. It is now receding from the sun rather The benefits to commerce likely to flow from this brilliant

having on each side a patch of rose color. The under side scope. Professor Chandler thinks it was at its maximum

The reader must not lose sight of the curious fact that the comet on the 13th passes quite near the Pole Star and almost seem to be the result of sudden, irregular inspirations of air exactly over the true pole of the heavens, which accounts

One very clear night Mr. Swift has seen a broad but very to see an exceedingly minute star-like nucleus which apwhite, inclosed between two curved lines of the same color. could be seen except by eyes long trained to viewing faint ob-

Decease of Two American Ship Builders.

With the death of John Dimon, recently, the last of the old-time ship builders of New York passed away. Mr. Dimon was born at Jamesport, L. I., in 1794. He apprento Sackett's Harbor to help in building the frigates which building many noted clipper ships, and at a later day many steamships, notably for the Pacific Mail Steamship Company. contemporaries in the palmy days of the ship building trade, among others, the father of Wm. H. Webb, the father of the wing-covers very short; while in the well-known glow-Henry Bergh, the two brothers James R. and George Steers, Jacob Westervelt, and Mr. Mills, who died a short time

An American ship builder of more recent fame, William Cramp, head of the Cramp Ship Building and Engine Works, Kensington, Philadelphia, died at Atlantic City, July 6.

Mr. Cramp was born in Kensington, in September, 1807. He served as a ship building apprentice when that industry was carried on in its primitive stages in the yard of Samuel Grice, which was then the principal establishment in its line in Philadelphia. After attaining his majority he engaged in business for himself, beginning in a small way. During the fifty years he spent in business ship building made great strides, and William Cramp was acute in his perceptions of the wants of a progressive people.

The firm of William Cramp & Sons was composed of William Cramp and five sons. Since the works have been established there have been constructed 225 vessels of every description, including merchantmen, men-of-war for this and other governments, the steamers of the American Line, and Reading Railroad colliers. Fiveiron cruisers for the Russian navy have been built at the works within the past year.

The Bridgewater, built 27 years ago, and at that time the largest vessel of her class in the country, is still afloat.

The largest iron freight ship ever built in this country is now under construction at this yard. She is to be 2,000 tons measurement, and to have a carrying capacity of 8,000 bales of cotton.

A Good Sign of the Times,

One year ago this month, July, the New York Belting and Packing Company became financially embarrassed, owing to serious losses occasioned by the defalcation of an officer in the Boston Packing Company. A compromise was effected with their creditors, and notes were given for full amount, interest payable at intervals extending to October, 1881. It will gratify the friends of the company to know that they are now enabled to meet all their obligations, and to this end the energetic manager and treasurer, J. H. Cheever, Esq., requests the holders of their notes, whether due or otherwise, to present the same for immediate payment.

Fourth of July Snow.

A sudden and unusual fall of temperature was widely experienced on the afternoon of the fourth of July. At Portland, Maine, it was attended by a fall of snow. Sergt. Boyd, of the Signal Service, explained the phenomenon in this way: Shortly before five o'clock a cloud was observed rising from the south. At the same time another rose from the northwest. The current of wind which bore this along was cold, while the opposing current was warm and saturated with vapor. These two intermingled, and the effect was to form crystals of snow. The preceding heat and dry-In a letter to the Tribune, with regard to the comet dis- ness of the day also helped to produce this result. The covered by him, June 17, Mr. Swift reports, under date of barometer was very low at the time, and the thermometer Director of the Dearborn Observatory, Chicago, on June 23, ture Friday night was 57°. This sudden change was no less

The Mississippi Jetties Finished.

Capt. J. B. Eads reports, under date of July 10, that the greatest depth and width of channel required by the Jetty Act at the mouth, and also at the head of South Pass, has been secured. The completion of the great work was certi-These elements resemble those of no comet which field to the Secretary of War the same day by Captain M. R.