supplied by the refrigerator at a temperature of about 37°, or When the fan is in motion the current of air is strong enough basket. to draw into the flues any small pieces of paper thrown into house, is cased with india rubber, and is fastened on with most potent: screws which make it airtight, if required. The ice house The ice, if allowed to go with the water, would choke the pipe connected with this part of the arrangements.

The London Graphic gives the following particulars as to the American meat trade in London:

ica in good condition has therefore been abundantly proved, but the check to the further development of the trade has; sugar. This is a bomb straight at the enemy, for a more pobeen that directly the meat is unloaded it must be sold and tent solvent of bile is not in the materia medica. Searching used. The simple way to meet this difficulty is, naturally out rheumatic tendency, attacking those insidious foes which enough, to unload the quarters into a wharf with a refrige- are storing up anguish against our later days-calculi-it rator that will continue the conditions under which they pervades the system like a fine moral sense, rectifying inhave been brought over and in which they can be kept till cipient error. It is needful, perhaps, to begin with two they are wanted in the market. The care taken both in lemons daily, the second at night just before retiring. although the remedy is so obvious and so simple, it is not atable is the concentric force of the pure lemon acid. until now that any plan for definite action in the matter has

tralian Meat Agency, who proposed the new arrangement for the reception of foreign beef into London, based upon the adoption on a large scale of a simple principle already well known. Mr. Tallerman's plan was simply to have a large those who, with but few outward opportunities, have by refrigerator for the reception of foreign meat, from whatever their own unaided energies risen to acknowledged greatness. country it may come, when brought in the ice compartments, 'There is some danger, however, lest in bestowing this apand also for fruit, game, and other perishable foods. The pellation exclusively upon such persons we convey the imcompany, of which he is managing director, secured premises pression that those who possess the advantages of instruction, having an area of five eighths of an acre, and this, with a training, and assistance, cannot be self-made. It is a truth flooring of a portion of it, makes a total floor space of an which is sometimes overlooked that, whatever there is valuacre. Arrangements are being made for converting this into able or excellent about a man, comes primarily from his own one vast refrigerator. The building is divided into cleven capacity, energy, and industry. The most abundant advanarches, and by airtight doors each arch is to be a separate tage and the most generous education can never supply the compartment. One compartment is arranged to contain the lack of brains, or implant innate power, or compel untiring ice supply, and by earthenware pipes to the different com- perseverance. If they could, there might be some justice in partments the temperature of each is to be regulated. A fan, regarding the academy or university as the rival of self-eduworked by a two horse power engine, will draw the dry cold cation, and in distinguishing rigidly between the self-made air from the ice chamber through the compartments. A man and the college-made man. As it is, every one whose large portion of the upper floor is fitted up with shelves, life amounts to anything at all is self-made in the true sense, | ter rises, only three satellites will be seen, as one of them is which can be used for the storage of fruit and poultry.

whole of the premises will be one vast refrigerator, in which must also furnish a continual relay of power in the form of the planet. A good opera glass, an ordinary ship's glass, during the hottest summer the temperature will not rise assiduous and patient labor. If he fail in this, no system of or a small telescope will show these moons of Jupiter. above 40° Fah. Passing through an ice chamber to reach the instruction, however admirable, no corps of teachers, howrequired point, the air is to be filtered through cotton wool ever able, no amount of wealth, however judiciously exbefore circulation through the storage refrigerators. These pended, can ever avail to give him significance as a scholar. est, purest, and driest air. An important feature in these laffection or wisdom can suggest. arrangements of the London company is that the transport from Liverpool is effected without any handling after the quarters of beef leave the steamer's hold. For this purpose, that, or physician, or artist, he must be self-made, whatever Captain Acklom's refrigerating wagons and a Great Western be his advantages of training or instruction. The force to rises at 10h. A.M., and sets at 11h. 52m. P.M. It is still converted van are employed In these vehicles a low temperature is maintained by the circulation of water outside the ability to form wise plans and the energy to execute them, central chamber, which is fitted with hooks. As soon as the the patience to wait for success, and the industry to secure carry, are placed in them, the doors are closed, and the meat avail that the boy be placed in the best mercantile house, can then be transported any distance and in any weather that the apprentice be trained by the most skillful artisan, containing quarters of beef just as they had come from Liv- professors. It will all end in disappointment and failure, if erpool, was exhibited at the entrance of the New Meat Market, and excited much interest.

"In order to familiarize the public with the sale and quality together."

Spring Fever: How Not to Have It.

the air. The door of the meat store, as well as that of the ice have a bilious attack in the spring," the following seems the always find appreciation and help, and are apt to make it all

is somewhat smaller than the meat room; it is packed with water, briskly toweling after. It is not necessary that this or rich, whether wholly self-dependent or favored with asblock ice. The floor, being covered with coarse canvas, acts be a long or laborious operation: the more rapidly the bet-sistance, they must evolve whatever they would become as a filter for any sediment which may gather, preventing it ter, with sufficient friction to bring a glow to the skin. If mainly from their own native abilities and enthusiastic from passing away with the water formed by the melting you cannot secure time to go over the whole bodily surface, at least make it a point to daily sponge the trunk and arms. Rousing and stimulating the whole system, clearing and Ledger. opening the pores, it imparts an indescribable freshness and exhilaration, amply repaying the effort. Rehabilitated, you The fact that beef can be brought over from North Amerare now ready for your morning bitters, namely, the clear juice of a fresh lemon in a wineglass of water, without

America, and in regulating the temperature in bringing the .A primitive but most efficacious prescription, which cormeat over, is of but little practical value if, on its arrival in rected the physical reaction after a pork-eating winter for England, the meat be allowed to fall into a condition in which our ancestors, was a wineglass full of very hard cider, made it is unfit for use before it reaches the consumer. But, effervescent by a crumb of sal soda. More potent and pal-

We venture to claim for this self-treatment alone, faithfully applied, more relieffor the body and stimulus to the mind "It was Mr. D. Tallerman, Managing Director of the Austhan from a battery of pills or quarts of herb decoction.

Self-Made Men.

Self-made men, in the commonacceptation of the term, are whether he be favored with outward helps or not. He must "When the arrangements of the company are completed the not only supply the foundation of a capacity to learn, but largest satellite cannot be seen in the evening, being behind

The same thing holds good of excellence in all other pursuits. If a man is to become a superior mechanic, or merovercome obstacles and the courage to face difficulty, the forty-eight quarters, which one of the Acklom wagons will it, must all come from within. Without these, it is of no without fear of deterioration. One of Acklom's wagons, that the medical student be prepared by the most learned he put not his own shoulder to the wheel, with a vital power that no outside influences can supply.

It would, however, be folly, for this reason, to undervalue of American fresh meat, some hundreds of sides of beef have the helps we obtain from external sources. Indeed, it is only been daily brought for sale to a market formed by a single as we assign to them their true office that we can appreciate arch of the company's premises in Upper Thames street, and their real worth. They cannot, it is true, make valuable sold to all comers; 14 cents per lb. is the average price of the men, but when rightly used, they can vastly aid men in makwhole side of beef, but fore-quarters are sold at 13 cents, ing themselves valuable. There are but few who can rise to whole sade of the state of the great man astonishes us by the heights to which he climbs, brightness. The train is broad, and up to April 15 not more unsupported save by his own mental strength and powerful than a degree in length. will. But these are exceptional characters, and might have In the Christian Union, a writer gives the symptoms and risen to still loftier eminences had they been favored with several remedies for a very common complaint, prevalent more propitious circumstances. Most of us need all thehelp with almost every one to a greater or less extent at this sea- we can obtain—the discipline of the schools, the training of attention of medical officers of the U.S. marine hospital serfaithful instructors, the hints and suggestions of experts The hampered body, says the writer, which has been cod- in our special callings, and every other outside influence that dled, petted, stuffed with carbon-bearing fats, and calorified can be brought to bear upon our improvement—in order that in every possible way, begins to protest. The machinery is we may attain a moderate degree of excellence. Gladly should chonidia, and chinchonia sulphates, of which the two first clogged: headache, dyspepsia, and the thousand nameless we welcome all such assistance, eagerly grasp it, and ear-named are believed to be as efficacious as the quinia sulphate. sensations of discomfort which we charge to variable weather, nestly strive to profit by it, only remembering that it can He suggests that the less costly salts be accorded a fair trial, afflict and hamper poor humanity. To-day the fog de- never supplant but only supplement and invigorate our own and that medical officers take this matter in consideration in presses our vital force, to-morrow the brain is pierced with exertions. Just as the warm sun rays and refreshing rain preparing their next semi-annual requisition formedical supblinding sunshaft; and so each day's external is made re- drops descend to bless the plant that is charged with vitality, plies. sponsible for internal shortcoming. The litterateur, in atrabut fall powerless on one without root or sap, so outside help bilious humor, afflicts the world with morbid philosophy. is invaluable to the energetic living worker, but impotent to A. K. S. writes to say that strong draught is indispensable

again, so that a constant current of pure cold air is being | in overheated rooms, with a monotone of circumscribed care; pendent upon them for his success in life. It is true that the and too little outside diversion, finds dirt and despair in the best results may be expected where a strong self-energy sufficiently cold to preserve the meat, but without freezing. kitchen, chaos in the nursery, a forlorn hope in her mending comes under wise instruction and guidance; but while the latter alone can do nothing, the former alone can do much. Among other remedies for people who say, "I always Besides, it never is quite alone. Capacity and industry the more useful for its scarcity. All young persons especially On rising, sponge the body lightly and quickly with cold can be, and should resolve to be, self-made. Whether poor efforts. With these in active exercise, none need despair of excellence; without them, none will attain it.—Philadel phia

ASTRONOMICAL NOTES.

OBSERVATORY OF VASSAR COLLEGE.

The computations and some of the observations in the following notes are from students in the astronomical department. The times of risings and settings of planets are approximate, but sufficiently accurate to enable an ordinary observer to find the object mentioned. M. M.

Positions of Planets for May, 1877. Mercury.

On May 1, Mercury rises at 5h. 49m. A.M., and sets at 8h. 49m. P.M. It can be easily seen in the first half of the month, especially on the 3d, when it has its best position. At that time it sets about 8° north of the point of sunset. On the 31st, Mercury rises at 4h. 23m. A.M., and sets at 6h. 23m. P.M.

On May 1, Venus rises at 5h. 1m. A.M., and sets at 6h. 44m. P.M., too nearly with the sun to be seen. On the 31st, Venus rises at 4h. 57m. A.M., and sets at 7h. 55m. P.M. Venus may perhaps be seen after sunset at the last of the month, as it sets a little north of the sunset point.

Mars.

Mars rises on May 1 at 1h. 23m. A.M., and sets at 10h. 55m. A.M. On the 31st, Mars rises at 0h. 18m. A.M., and sets at 10h. 26m. A.M. Mars is among the stars of Capricornus, and, although small, is very readily known by its ruddy color. Jupiter.

Jupiter is very brilliant in the morning. It rises on the 1st at 11h. 2m. P.M., and sets at 8h. 4m. A.M. of the next day. On the 31st, Jupiter rises at 8h. 54m. P.M., and sets at 5h. 56m. the next morning. On May 3, only three of the satellites of Jupiter will be seen when it rises, one of them being in transit across the disk of the planet. On May 5, only three satellites will be seen before midnight, the smallest being in transit across the disk. On the 21st, when Jupiin the shadow of the planet, or is eclipsed. On the 25th, the

Saturn.

On May 1, Saturn rises at 3h. 2m. A.M., and sets at 2h. 15m. P.M. It can scarcely be seen at all. On the 31st, Satare large enough to hold the meat supply of London for a He must be self-made, if made at all, though he be sur- urn rises at 1h. 9m. A.M., and sets at 0h. 27m. P.M. At this fortnight, exposed to a continuous gentle current of the cool- rounded from infancy with every appliance that money or time it can be seen for a few hours in the morning. It is among the stars of Aquarius.

On May 1, Uranus rises a few minutes before noon and sets at 1h. 49m. the next morning. On the 31st, Uranus among the stars of Leo.

Sun Spots.

From March 16 to April 15 the sun has been unusually free from spots, even for this minimum period. But two groups have been seen, the first composed of two small spots, on March 18, and the second, a large group, on April 15. A peculiar interest attaches to them, however, as they seemed to appear suddenly near the middle of the sun's disk. No spots could be seen on April 14, yet on the 15th a double spot of large size, surrounded by several smaller ones, is found near the center, seeming to show a sudden disturbance in that region.

The Comet.

On the morning of April 15, the small comet, just visible to the eye, was very near the star 32 Pegasi, and moving slowly toward the north. It had a bright nucleus, and could be seen

Substitute for Sulphate of Quinine.

Dr. Woodworth, Supervising Surgeon-General, calls the vice to the extraordinary increase in the market price of quinia sulphate, and at the same time to the accumulating testimony in favor of the employment of the quinidia, chin-

The pastor sees weak humanity more than ever sinful, and one who lacks brains or energy, or the will to exert them. in a coal oil lamp, and that there exists a demand for a flathis Lenten homilies are unconsciously tinctured with a deeper It is especially encouraging to one who can command but deeper with an argand chimney, which will supply the dye for the pangs of his own mortality. The housewife, few external advantages to reflect that he is by no means ded draught necessary to give perfect combustion.