mach a whistling sound is heard in the air, dar to a violent thunder-storm; the sun, if igat the time, is darkened, and the temperbecomes 5 or 10 deg. Reaumer cooler, as namth of the sun is prevented from peneaz the mass. The swarm takes from twelve then hours to pass over, and the enormous ; or quantity of this fearful scourge in the ophere, as far as the eye can reach, makes an overpowering impression on the human that a person feels an inward depressing int such as difficult breathing, and inability tike off the horror-stricken nervous sensa-Basiness is suspended. If these plagues once reached the ground, the earth is for ral miles in extent a foot deep at least with , and they do not ascend until they have aevery particle of grain, pulse, grass, &c., the soil then looks as if it had been laid ebr fire. These insects can only be got rid hen they are not tired and are able to fly r, when a great noise is made, and several sands of persons set to work together; init often happens that the Government stwo or three regiments of soldiers to assist farmers; if, however, the swarms are tired so enormous that they cover the fields a foot or more, then it is not in the power of hubeings to prevent their committing sad e, and when killed and left on the ground, hould a swarm be driven into the sea and wards washed ashore, the stench is past ing, and generally is followed by a pestilent e. According to a map drawn whilst the emor-General of Odessa made a tour of intion early last May, about 75 Russian square were covered with the eggs of these insects. efields surrounding the small Polish town emaszow, no less than 625 baskets of living ts (each basket containing about 6,400, and cornats of 15,600 eggs each, making in all four million locusts and nine million eggs) delivered to the burgomaster of the place.

SINESS QUALITIES OF THE FARMER.—The juilul farmer may find a hint of value in the sing, from Chas. Betts, in the Ohio mer.

If the farmer needs any two qualities more others, as business qualities, it is *forecast ore*-qualities which will enable him to forward into the coming years, and lay his , and then with a vigor which will over-ride stacks, push them into execution. In any as where investments are made to-day and as reaped to-morrow, rehance is chiefly on ready capital, and the circumstances thour. But the case with the farmer is ent. He must exercise forethought; his ations must run through the year, and on gh a series of years; and, to be successful, many collateral influences to weigh, and unsive one-utions a complication of influwhich require for their proper adjustment

and direction, the highest skill, judgment and forethought. His success, like one of those mysterious and almost stranger planets, takes ever a varying course, and is sometimes lost to view. But if he is a true Le Verrier, he will count, and weigh, and demonstrate the bearing of all controlling causes, and, with master ability, usher in the grand result."

SHADE TREES IN PASTURE.—Upon the firSt subject you mention, viz: "should shade tree" be allowed in pasture fields?" there may be, per haps two opinions, but the one most generally held is against shade, nuless it is in the immediate vicinity of water.

Themost important object to be attained in grazing, next to good and plentitul grass, is that the cattle shall be free from any disturbance whatever, and that they shall take as little ex-ercise as possible. In the first place, then if the shade trees are at any distance from the water, the cattle will collect under them, and in hot weather will often stand there until their drinking time arrives, and then run in a body to the water, where they will push and fight for the first drink, and then run back again to the shade. I have seen them do this often. Then again, one of the greatest enemies to fat cattle is the biting-fly, which loves the shade as well as the cattle, and when the latter are huddled together under the shade, they suffer a great deal more annovance and worrying than they do in the open field. I have seen bullocks smart enough to leave the shade and stand in the sun all day, and they seemed to thrive better by it. If, however, a man has a stream running through his field, where the cattle can stand over their knees in water, let him by all means have abundant shade on the banks. His cattle can then stand, their legs protected, and whisk the water over their backs with their tails, and bid defiance to the flies.-R. W. Downman in American Farmer.

APPLES FOR STOCK.—All kinds of stock relish apples during the winter months, almost as much as do children. They will eat them with avidity, and in preference to any grain or roots fed them at the same time. An experiment of feeding stock with, say, half a peck to a horse or cow daily, will soon satisfy any person that they conduce both to the health and spirit of the animal.—Ohio Farmer.

SALT, OR LIME AND SALT, TO PREVENT GRAIN GROPS FROM LODGING.—In looking over our foreign exchanges we not unfrequently meet with passages like the following, from which we infer that the power of salt to strengthen the straw of grain crops, even when the growth has been rendered very luzuriant by guano or other nitrogenous manures, has been often tested, and is now well established: "When the crop is liable to lodge from a weakness in the straw, three cwt. of salt should be mixed with the