MRALY, AND WAYY POTATOES.—An examination of the potato with a microscope, has proved the re-lative worth of the mealy, and waxy, kinds of this useful vegetable. On examining a thin slice, it is seen to be almost entirely composed of cells, which are sometimes filled with, and sometimes contain clusters of beautiful little oval grains. The grains remain unchanged in cold water; but when it is warmed they dissolved in it, and the whole becomes ALL orders dansfully and rustivator attended to a jelly, and occupies a larger space than it did in the form of grains. When a potatoe is boiled, then each of these cells of which it is composed become a little vessel full of jelly; and if there be a great quantity of starch in the cells, it may be gelatinized without bursting them. But, if the number of grains or their size be very great the cells of the potato are broken all sides by the expansion of the ST. GABRIEL ISLAND SAW AND PLAINING little masses of jelly, and the appearance of mealiness is produced. Hence we see that mealy potatoes are the most valuable, and waxiness denotes a deficiency of starch or nourishing matter

THE FARM HOME.—We clip the following excel-lent article, under the above head, from the In-diana Farmer.—There are too few who realize the influence of the home and its surroundings upon the young. A farm home with a slovenly appearance, confronted, flanked all about with stables and pig-pens, without trees and lawns and flowers, is sure to impress the children with like tastes, and produce out of them other generations of slovens and ciphers in the world. There are exceptions among the young men in nearly, all such homes, viz., the young men who are born with better tastes, with nobler views of life, and who, disgusted with the farm home, abandon it, and fly to the cities for refinement they do not find at home. It is useless to grieve about the best of our young mea leaving the form so long as pearles, neglect their duties in the farm so long as parents neglect their duties in the home and its surroundings, for these neglects are the chief cause of so many abandoning the farm. It is true that some of these young men have tastes and genius for professional, mechanical and other-pursuits, but thousands of them utterly fail after leaving the farm. They are born with refined tastes, and while they see they may be gratified elsewhere, their homes are utterly lacking in these demands. Let our farm homes be surrounded with handsome grounds and lawns and trees and flowers. God has endowed us with tastes for these, and He intended that these tastes should be cultivated and gratified. It is the cultivation of these which tone up character and mould beautiful and useful lives. Those heads of families who are unfortunately without these tastes, perhaps on account of early neglect, must not ignore the fact that others have them, and will seek in some way opportunities of cultivating and gratifying them. Bemember that if sometimes you grieve over the loss of the flower of the family, it is your own stolid indifference to the elements of refinement God himself has planted in their breasts that has driven them away from you. The fault is at your own door. Make your homes beautiful and attractive, divide the labors properly with the intellectual and social privileges of the home, and you will not only retain many more of your sons, but the world will also be blessed with better men in the future-men more capable, more refined, more intelligent, and equally

industrious." The Importance of Esucative Bosses.—Notwith-standing much has been sald-and written on the subject of breaking colts and handling vicious horses, and such men as Rarey, Williams, Manager, and others have been all over the country and demonstrated to all the superiority of science and skill in handling horses over the old method of pounding and whipping them—still there are a great many who yet stick to the old custom of forc-ing them into submission by kicks and blows, and who think that all that is necessary to enable a man to break a colt well is to have plenty of courage, strength, and a loud voice; and when they commence to break a colt, hitch him up and try to drive him before he is accustomed to the feeling of the harness, or knows anything about the bit or rein; and if he does not move right off before he has been taught to go, he is whipped; if he does not mind the rein, the lash is laid on; if he stumbles on the rough ground he is "whaled;" if he who as too soon when told to whos, he is kicked; and if he resents this cruel treatment, the above is re- NO 9. OHABOILLEZ SQUABA peated. The consequence of such improper management is frequently some kind of a scrape, in which the colt is taught his first lesson in kicking or baulking, or perhaps he runs away and receives a scare which it will take years to get over. On the other hand, should the colt, as is sometimes the case, prove to be very tractable and not make any resistance, his owner, after driving him a few times, and getting him so he can drive him and not get upset, will call him "broke," when he is, in reality, not half drivable, and so, not being taught, he never learns anything more, only what he learns from or-dinary driving. This matter of handling colts ac-awkward, unhandy, and stupid brutes which we see driven every day. Now, although almost any man TIARTHITY OF SHAREHOLDERS HINLIMIERS can break a colt after a fashion, there are but few competent to educate a colt as he should be. A man to successfully handle and educate horses and colts, should in the first place be a natural horse-man, and be possessed of that peculiar knack without which no one can be a first class trainer. In the Security should be the primary consideration, which second piece, he should have an unlimited stock of is afforded by the large accumulated funds and the patience, and be able to control himself on all oc- unlimited liability of Shareholders. casions; for a man that cannot control himself cannot control a horse. Besides, a man should be posted in his business, and be familiar with all the different systems of norse training as taught by the most successful horse trainers. He should also H. J. MUDGE, Inspector. be a man possessed of a kind heart, capable of For the convenience of t inspiring confidence in the animal he is handling. Now if there was in every town a man with these requisities, and he should break all the colts raised in this town, the useful qualities of the horses of the country would be greatly increased, and there would not be so many accounts in the papers broken ribs and bruised heads, caused by horses running or kicking. I hope the day will soon come when every one will realize the importance of a more thorough system of educating horses, and when schools shall be established all over the land for instructing competent men to educate and handle horses; when such horses as now require a strong man to drive and control them, shall be rendered kind and docile, and be driven with safety and pleasure, and even without bit or rain; when competent veterinary surgeons; shall take the place of our country "hoss doctors," and the many diseases to which horse flesh is heir shall receive the attention which they deserve; when the law for the prevention of cruelty to animals shall be enforced in every instance of its violation, and the offenders punished as they deserve. When these things are realized and not before, will man's best friend and most faithful servant, the horse, receive that treatment to which that service entitles him, and in stead of being overworked, starved and beaten by some, and used as a means of gambling and cheating by others, he shall by proper care and attention together with judicious breeding, and especially by a thorough education, be made one of the greatest blessings ever given by the Greator for the bencht of man. A. Thoping, in Majer Fairmer. our country "hoss doctors," and the many diseases ing by others, he suare by together with judicious breeding, and especially by together with judicious breeding, and especially by a thorough education, be made one of the greatest blessings ever given by the Creator for the benefit w. H. HINGSTON, M.D., L.R.C.S.Ed., Medically of man.—A. T. Moning in Many Farmer and the benefit w. H. HINGSTON, M.D., L.R.C.S.Ed., Medically of man.—A. T. 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commis is beautifully contrasted with the light robe and graceful drapert, of JEROS. ADVANCING IN. HIS, MILD, INAJERT, while the dark foreground is articledly, relieved by the rays of HOPE and PAITH, as reflected from the presence of the DIVINE MEDITATE, in reflected from the presence of the DIVINE MEDITATE, importing grander to earth and sky. It is sublime in conception, grand in the second of the DIVINE MEDITATE, and important resemble to over the HART and HOUSEHOLD. Beautiful plotting at once. You will be more than SATISTED, correctly which is conception, and HOUSEHOLD and for the pletters at once. You will be more than SATISTED, correctly will be the sent of the confidence and controlled the sent of the confidence and plates of the readers of this paper.

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