

## EFFECTS OF COLD ON FRUIT TREES.

The Hon. Marshal P. Wilder, President of the American Pomelogical Society, in a late address before that body upon the vicissitudes attending cultivation, alludes in the following terms to the great disparity between the fruit not yet fully matured and hardened, enfeebled the foot is not so great an evil as some perbeen very meagre, the latter more abundant furnish a clue to some of the unexplained would be apt to produce serious results. the foot. With this object in view, the shoe freaks of Jack Frost upon the fruit trees of Deseret in time past:

vicinity of Boston to twenty-four degrees previous autumn, it would have saved him two secure foothold when climbing eminences or Fahrenheit, causing the apples and other thousand dollars. But he did not adopt the traveling over level surfaces. fruits to freeze on the trees, and in some in- practice afterwards. If such a winter oc- The action of concave feet may be compared she made the Eank of England notes legal stances to burst open. This was the most se- curred but once in ten years, it would be a to that of the claws of a cat, the nails on the vere of any on record, so early in the autumn. profitable expenditure to pay a man ten dol- fingers and toes of man; the nails and toes are that twenty-one shilling pieces rose to twenty from this city, stood at seventy-five degrees earth frequently does more damage than bene- must be beveled, cup fashion, its outer edge at two o'clock p.m., and at eight o'clock, at fit. vere cold succeeded immediately, yet on the has been long since proved, and in localities hollow, it resembles the natural concavity of morning of the 18th inst., the glass stood at where an abundant supply of evergreens may the sole of the foot. dustrate the comparative vigor, hardiness and mediately after hard freezing on the one hand; No matter what may be the form of the useful info-mation to the cult.vator.

that some varieties of the pear are even more tection is very quickly applied; an active In every other part of the shoe alterations

produced fruit annually. noted was the frost of October, 1860, destroy- ments?" ing, as it did, the germ of some of the flower buds of trees and shrubs, or whether the sudden alterations of heat and cold in the winter and spring of 1861 produced this result, or whether, as seems more probable, it is to be asc ibed to these two causes combined, we cannot with certainty decide. If there were some localities in which this injury was less, laws in relation to fencing-as follows: it is not unlikely that circumstances which affected one region might not be so active in another. The effect of a bright sun, or of keen, dry piercing winds, immediately succeeding the frost, would intensify the damage; and, on the contrary, a cloudy sky and humid atmosphere would modify and ameliorate it. has no more I gal right to ravage, or to send ning. At night the city is one blaze of light subject, but only to record the facts in our national annals, for the information of phy-

not wholly coincide with the views of Mr. Wilder, but his known experience and long probably be universally adopted as a practilight, coffee and tea are taken to the guest's connection with the pomological interests of cal law, were it not for a statute passed room, and again at eight o'clock light refreshthe country give weight to the arguments ad- April 18, 1838, which denies to a person liaduced, which will ensure for them a careful reading and comparison with the past obser- reason of his portion of such fence being out the streets in the middle of the day, on acmay be elicited both reliable and of practical division fences, and does not apply to any a e cool and delightful; birds are singing all value in this locality.

freaks of nature, and to give us their philoso-

phy in the case.

the above extract, recording additional illus- upon the owner the duty of protecting his cultrative facts of interest in the same connectivated lands from stray cattle. tion says that, "the effect of very severe cold These provisions for the protection of crops on the trees, when they are not killed, often against the ravages of unruly beasts, it must in great profusion. the thermometer fell 26 d grees below zero of an act compelling landowners to fence out a long time. A weeping ash, for example, was retarded in the opening of its foliage until summer; on one part the leaves expanded early in summer; another portion not till after midsummer. There is no question that while in this doubtful state, another occurrence of unfavorable weather would have had a great- from the capitol garden at Washington. er effect on the tree, than on one fresh, vigor-

otic grape. A part of the vines were laid down and covered with an inch or two of earth; another part was laid down and left communication from the distinguished veteriuncovered; and the remainder was left on the nary surgeon, Dr. G. H. Dadd, who, we betrellis. All survived the winter. The cov- lieve, now resides at Chicago. The subject ered portion opened its foliage early and grew vigorously; the laid but uncovered part came it ought to be. We think Dr. Dadd assumes out next in leaf; while the fully exposed vines a position in regard to the form of the shoe were long in starting and more feeble in their that cannot be gainsaid, and we therefore subsequent growth.

Wilder, there is no question that the severe when understandingly applied, the addition of cold so early in au'ump, while the shoots were an iron protection to the horny substance of crops of 1861 and 1862-the former having their vigor, and rendered them less able to sons might suppose. withstand the intense winter cold which fol- One of the principal objects in applying a lowed. Either attack alone would perhaps shoe, is to protect the foot; next, we must aim than ever before known. His deductions may have produced slight effects; both together to preserve the natural action and tread of

practicable deductions. Some years ago, after vice. a very severe winter, which destroyed the An unshod horse, or one in an aboriginal wear no more their black silk robes. The previous autumn had been marked with crop of the Isabella grape, an extensive vine- condition, has a concave solar surface to the an early and very severe frost. On the morn- yard owner informed us that if he had ex- foot; and wisely is it so ordained; were it ing of Oct. 1, 1860, the mercury fell in the pended one week in laying down his vines the otherwise, the animal would be unable to blast at Washington. Again, on the morning of Feb. 8, 1861, the lars for the week's labor as an insurance,- the fulcrums; they grasp, as it were, the seven. mercury fell in several places around Boston | the probable and average security amounting | bodies with which they come in contact, and to twenty-five degrees below zero, a degree in value to two hundred dollars annually. The thus they secure a fulcrum of resistance when never before recorded at this season. The vines would of course have to be pruned and traveling or grasping. previous day had been mild and pleasant. trained in a manner to admit of this course- Now in order to preserve the natural, me-

zero. These extremes of temperature were be procured, it would be interesting and pro- Notwithstanding the various opinions which most unusual and unnatural, and not only de. bably valuable to carry on a series of experi- now prevail, in regard to the general art of streyed the crop of fruit, but injured many ments for a term of years in the way of pro- shoeing horses, I think all will sooner or later trees past recovery, especially peaches, plums tection. The d fference between exposure to confess that a shoe with concave surface next and cherries. These vicissitudes serve to il- sharp cutting winds and bright sunshine im- the ground, is the only proper one to apply. From this experience we deduce the fact, to the life or death of the tree. Such a pro- shoe must be convex. Whether the cause of the revulsion just servation, may lead to valuable develop- and a less number of lame horses.

## FENCE LAWS OF NEW YORK.

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At a late meeting of the American Institute Farmers' Club, Joseph Blunt, Esq, stated, in a few words, the substance of the New York

flocks and herds, is liable for all damage. He for the family, who sit here morning and evehis cattle to destroy his neighbor's unfenced from the lamps. The hotels have grounds of unfenced woods. They are all equally under covered with fine shade trees, with fountains, Some of our scientific horticulturists may take care of them, and be responsible for served up about the same as at first class their conduct. This is a desirable consum- hotels in the United States, although the mation. It is the law of the land, and would habits of living are quite different. At dayble to contribute to the maintenance of a di- seven dinner. Coffee and tea are always vision fence all right to damages incurred by ready, day and night. No business is done in The Country Gentleman, in its comments on under the general law, which does not impose

lasts a long time. In the winter of 1854-5, be evident, are based in equity; as the passage (and in some places lower) in Western New the stock owned by others would not only be York, -nearly twenty degrees lower than "unconstitutional," as alleged by the Germanusual. Hardy trees were visibly affected for town Telegraph, but bo-dering on the ludicrous. annanananana.

amount to 20,000 hales of upland quality.

the trees of this species-sometimes called the become very offensive-have been removed

The sorghum crop in Illinois is estimated to

## THOUGHTS ON HORSE-SHOEING.

We find in the Prairie Farmer the following of horse-shoeing is not half as well understood by those following it as a business as invite to it the attention of all sheers.

An iron shoe affixed to a horse's foot is one In the case we have quoted from President of the unavoidable evil of domestication; yet,

From all facts of this kind, we like to make should be made concave on the ground ser- forms has just disappeared. The Judges of

Again, early in the month of March, the fluc- not only for the purpose of admitting their chanical actions of the horn and sole, the tuations of the mercury were equally astonish- bending to the surface of the earth, but to ground surface of the shoe must correspond ing. The third day was warm and agreeable; secure a thorough ripening of the wood of the exactly with the ground surface of the foot; the thermometer at Dorchester, four miles canes, without which covering with moist that is to say, the ground surface of the shoe being prominent, corresponds to the lower sixty-five degrees; and although no very se- The protecting influence of evergreen boughs and outer rim of the roof; while the shoe being

power of endurance in some varieties of the and shelter from both by even a thin covering foot; whether it be high or low heeled; consame species, and develop different degrees of of evergreen boughs on the other, may often tracted at the heels; lengthened or shortened susceptibility in others, and thus furnish most amount to the difference between a fine crop at the toe; or, having a concave, or convex of fruit and no crop at all; and in some cases sole; it matters not, the ground surface of the

hardy than the apple, a fact which a little hand would cut a wagon load and encase a and deviations, from any given rule, or form, reflection will sustain. Thus among the few large number of fruit trees or grave vines in a are often needed, in consequence of the ever pear trees which here bore abundantly in 1861, single day. But, experiments for a single varying form of the foot, and the condition of were the Vicar of Winkfield, Louise Bonne de winter are not enough-they should be con- the same, both as regards health and disease; Jersey, Urbaniste, and Belle Lucrative, while tinued for at least ten years, through all the but the sole of the foot being concave presents the apple, and most other varieties of the varieties of cold and mild, wet and dry, still a pattern for the ground surface of the shoe, pear, failed of a crop. With me, during the and windy winters. Who among our readers which the "smith" with all his skill, cannot last thirty years, the apple has many times have enterprise and perseverance enough to improve on, and if all such craftsmen were to failed, while these varieties of the pear have devote a day annually to such an experiment, follow this pattern more closely than they do, which, connected with close and recorded ob- there would be fewer accidents in "falling," of its trial.

A PARADISE OF A PLACE .- Batavia the capital city of the Island of Java, according to the description of a newspaper correspondent tions were presented: is a brilliant specimen of oriental splender. The houses, which are as white as snow, are rights, whether married, single, widows, or pl ced one hundred feet back from the streef, otherwise, and that the laws of Nature, which the interveining space being filled with trees, compel beings to be women against their will, literally alive with birds, and every variety are repugnant of all fundamental ideas of The law does protect a man's property. of plants and flowers. Every house has a justice, and ought to be abolished. His real estate and its product are his, and piazza in front, decorated with beautiful picthey lie under the protection of the law, tures, elegant lamps and cages, &c., while about their own business as everybody else rocking chairs, lounges, &c.; of the nicest does. vading his land, either in person, or with his description furnish luxurious accommodations grain, then he has to cut down his neighbor's eight and ten acres in extent around them, siologists in our own and other lands, whose the protection of the law. Men must be made flower gardens, &c. Indeed so numerous are to feel that domestic animals must be domes the trees, the city almost resembles a forest. ticated, i. e., kept at home. That if they The rooms are very high and spacious, withwish to keep domestic animals, they must out carpets, and but few curtains. Meals are ments. At twelve breakfast is served, and at vation and views of others, from which facts of repair. This act, however, is limited to count of the heat. The nights and mornings other. All road fences and other than divi- | night. The thermometer stands at about 82 sion fenc s kept up by adjoining owners fall degrees throughout the year. The Island of Java contains a population of 10, 000, 000, get into a lion's den!" The island abounds w th tigers, leopards, anacondas, and poisonous insects of all kinds.

"MORMONISM" IN FRANCE .- An exchange

allow the public dissemination of the mar- sion." Jock cocked his eye at the object for velous doctrines of his sect, he has committed a moment, and, turning to his com, anion, The cotton crop of Illinois this year will to the press a volume which seems to promise thus addressed him- . Man, Geordie, is that THE AILANTHUS TREE A NUISANCE.—All the missionary in question, is a Frenchman, a hint to the Englishers." and Brigham Young has dispatched him from Tree of Paradise-about sixty in all-having the great Salt Lake to preach the doctrine of the last days of the Saints"

horn.

## CLIPPINGS FROM EXCHANGES.

-The manufacture of paper from the leaves of Indian corn is becoming extensive in Aus-

-An insurance company against tornadoes has been started in Freeport, Ill.

-The Knights of the Golden Circle recently attempted to lynch Dr. Owens, of Williamson county, Ill., whom they supposed to be the author of a recent expose of their de-

-One of our New York exchanges pithily says that Greeley's articles in the Independent are provocative of intemperance-they are 80 dry that the reader desires a drink at the end of every sentence.

-One of the few remnants of ancient legal the U. S. Supreme Court have determined to

-Six theaters and two circuses are in full

-When Great Britain fought Napoleon. tender, and the premium on gold rose so high

-The Baltimore Clipper says that the person who was engaged to assassinate the President on his way to Washington, through the city last year, is now walking about in their midst without any fear of the halter.

-Seven thousand men are now busy in completing the iron-clads in and around New York city.

-At present U. S. stamps are issued of five classes, namely: Check, express, telegraph, certificate, and insurance stamps.

-Gen. Buell is under arrest for not capturing Bragg, the rebel General in Kentucky, and the Confederates have arrested Bragg because he did not capture Buell in the same State.

-A letter from a naval efficer, serving in the African squadron, speaks of slavers being "thick as peas in the soup on pork day."

-The abdication of Queen Victoria is again seriously talked of abroad. The Paris Patrie says that the discussion of the measure with her German relatives was the cause of the Queen's visit to Germany.

-The churches of the loyal States have set apart the fourth Sabbath of every month, as a season of prayer for the country in this time

Model Resolutions .- At a meeting of the Universal Right-Restoring and Wrong exterminating Association, the following resolu-

Resolved, That women shall have their

These and many other resolutions were passed unanimously, and the meeting adjourned, but not sine die by a jug full.

CONCLUSION OF A HARD-SHELL SERMON .-"My brethering and sistren! ef a man's full of religion you can't hurt him! There was the three Arapian children; they put 'em in a fiery furnace, hetted seven times hotter than it could be het, and it didn't singe a har on their heads! And there was John the Evangeler: they put him-and where do you think, bretherin; and sistren, they put him? Why they put him into a caldronic of bilin ile, and biled him all night, and didn't faze his shell! And there was Dan'el; they put him into a lion's den-and what, my fellow travelers and respected auditories, do you thing he was put into a lion's den for? Why, for prayin' three times a day. Don't be alarmed, brethering and sistern; I den't think any of you will ever

A HINT TO ENGLISHERS .- At the bills of The finest fruits in all the world are procured Travalgar, two Scotchmen, messmates and bosom cronies, from the same little clachan, happened to be stationed near to each other, when the celebrated intimation was displayed from the admiral's ship. "Look up, and read you, Jock," said the one to the other; "Eng-"A prophet from Utah has appeared in land expects every man to do his duty"-not Paris. Fearing that the police would not a word frae puir aukl Scotland on this occato have an extraordinary circulation, if its a' your sense? - Scotland kens well enough contents are correctly stated. M. Bertrand, that her bairns will do their duty-that's just

-President Lincoln, although specially exempted by law from baving his salary taxed under the Revenue Act, has ordered the ous and uninjured. Many years ago, some amount to \$4,000,000 in value the present double the cape, and some men double the imposed. By this voluntary act the President pays a tax of \$1,220 per year out of his salary.