FARM AND GARDEN.

ITEMS OF TIMELY INTEREST TO THE FARMERS.

Cheap this Winter.

FARM FISH CULTURE.

For many years past the government has been at great pains and expense in establishing and keeping up that we can begin at the back end of pisiculture establishments. And millions upen millions of fish have been it. I do not believe it can be done. I hatched and distributed to private in- believe that an orchard when it is ten dividuals and turned loose in the water courses in various parts of the country, and have perished for the it is that age should average a barrel want of proper attention. And the public, generally, have derived but lit- o'd it should average a barrel to the the benefit for the money expended. tree every year from that time on. In foreign countries, fish culture has We have an orchard planted in the been profitable, and it could be made spring of 1889, and some of the trees profitable in this country provided the have already produced more than a farmers would turn their attention to barrel of apples, and they have all reit, and prosecute it with judgment and ceived high cultivation-not extra high energy. Every owner of a farm of any as strawberries, but good cultivation .dimensions can have his own private The Silver Knight. fish pond, and supply his table with the rarest and best food at little expense. And fresh fish is always ready sale in the country markets. On a great majority of the farms there is a The wind destroys many doors and place worth but little for cultivation door hinges. Besides that, a banging that might be converted into an excel- shamming door anywhere, whether in lent fish pond, and made to yield its house, bain or cornerib, destroys both proportion of foed for the sustenance the temper and the nervous system of of the family. But so far, farmers, these who must listen to it month after or at least very few of them, seem to month, have given the matter any attention. To stop the banging of his stable I know but one farmer in my neigh- door a live stock man has devised the borhood who has given the matter any arrangement described herewith. thought, and he has been remarkably successful.

they soon sicken and die. kinds, and those most likely to thrive, easily put it into practice. I would not exchange the bass, the buffalo, the perch and the cat of our

the question as to what that orchard wants, says Professor L. H. Bailey, of Cornell University. 1 nearly always say to such a man, "You have simply delayed breaking your horse until your

horse is old enough to die, or nearly so, and now you cannot break the horse and make a good horse out of To Stop the Banging of the Stable Door ... him." Of course, I should try to culti-The Neglected Orchard --- Fruit will be vate the land as well as I could; I might try to prune the trees and spray it, and work along with it year by year, and possibly something would come, but I believe the only way in that case is to plant a new orchard and begin all over. I do not believe the orchard and then my to regenerate years old should be in pretty good bearing condition. An orchard when to the tree; when it is twelve years

SO THE STABLE DOOR WILL NOT BANG

The inventor describes his sliding

stable door as follows: For a doorway Ponds intended for fish culture (if three by eight feet, make a batten possible) should be made where there door in the usual manner, weigh it, is an abundance of shade, and made and procure two square sash weights as deep as possible, so that when full that together will just balance the there will be no possible danger of door, or make the door to balance the their freezing to the bottom. And ca weights. Purchase about eight yards the bottom should be placed large, flat of sash cord and two large sash pulstones with their edges elevated by lays. Place in position a frame made placing another stone under them. of two by eight inch plank, having the Under this states the 5ch will go for pulleys near the top, and fit the door protection either in very cold or hot so that it will slide up and down with weather. The margins of the pond out wearing the cord. Fasten the cord should be made slanting gradually, out wearing the cord. Fasten the sash Water growth shald be let grow card to the bottom of the door, near around the edges, as it has a tendency the batten. On each side of the door to shade the water and keep " cool and fasten to the frame strips of inch fresh. The purer the water can be kept square pieces to hold the door in postthe better. Consequently, neither stock tion. The weights may slide up and nor fowls should have access to it, down on the sides of the frame, which for when the water becomes impure may project out far enough for the the fish are not good for food. And purpose, or be boxed in to protect them and the cord from the weather. This

The German carp, the California method costs less than the common salmon, the pike, the shad, and many overhead hangers, is very durable, can other kinds have their admirers, and be used for doors or shutters, and any are highly recommended, but for hardy farmer who is handy with tools can

ENSILAGE FOR POULTRY. One of the best green feeds for ponlnarrow quarters, should be regularly try is made of clover hay finely cut fed. Coarse bread of any kind with "Up with a cutting box, and green sweet out salt or grease, is an excellent food. | corn. This should be put into barrels When wanted for table use they can in alternate layers. Pack the ensilage by taken with a clip net or small in very closely. Head up the barrel . Jue of the best ways to use up the late weeds about the farm is to cut them up in this way and pack them in barrels. Run them through the cutting box, pound them down closely. The gensing plant thrives best in put them in a cool place, and feed a loamy soils, such as are usually found few bandfuls at intervals during the in sugar maple and oak forests at the winter. This furnishes excellent feed, north. Shade is also essential. Select and removes what is certain to be a a piece of land at the edge of some very great nuisance. Indeed, if all the forest where the plants are found weeds were gathered and stored where growing wild. Clear all underbrush fowls could scratch at them and work and small trees during spring or sum- them over, a great deal of trouble mer, then break up the soil two or would be saved the gardener and the grasses and their roots. The bed thus ed. It pays to gather up all the dead tion of seeds and small, unsalable thing that can be dried and stored] roots, as collected in the autumn, the away, to throw into the hen house for

FRESH ECCS FROM CHINA.

And Other Good Things That Chicago's A Cood Woman's Advantage of Marrying Chinese are Importing.

The Chicago Inter Ocean notices that one of the signs in front of a Chinese old," said one of the charming middlestore and restaurant in Chinese characters, reads "Fresh Eggs From China." belie the baptismal register, and who A little investigation brought out the rather enjoy arrogating to themselves following interesting facts;

examiners' room in the custom house was for several weeks strewn with the square paper-covered boxes, wrapped with bamboo splits, which hold the consignments of fruits, vegetables and groceries for the Chinese of Chicago and the central West. Not the least among the things imported are the duck eggs. At least 30,000 of them passed through the custom house in two weeks. Each egg is wrapped in a mass of black mud, that retains its in boxes holding twenty-five Chinese dozen-that is, ten.

Everything that comes from China is purchased by tens. The eggs thus keep absolutely fresh. Peeling the mud coating from them the faint blue tint of the shell is disclosed. The only difference between the eggs of an American duck and a Chinese fowl and an unfailing mark that keeps the dealer from practising a deception, is that the yolk, instead of being yellow. has the color of an American beauty rose.

Another big importation is rice prepared as a gelatinous thread-like substance, which looks most palatable. The canned goods include vegetables. mainly beans and cabbage. But the Chinese dote on salted roods and most of the cabbages come shredded and salted, together with beans and mushrooms, and a sea moss that resembles black wool. Shark fins and oysters are dried and salted, and dried plums are a delicacy. Lichee nuts are canned in a thick syrup, and others, dried in the busk, are packed in baskets. The nut is not unlike the date in flavor. Huge prove veritable helpmeets to the men boxes filled with the thick white tubers of their choice, are now almost without of water lilles are in demand at this season. The custom house people call them "Chinese sweet potatoes," because they are prepared for the table in the same manner.

boxes of oils and pills for medicine. a materialistic as well as from a re-The pills are an inch in diameter, cov- ligious point of view."-Booton Trans ered with a thick coating of white bees- cript. wax, and stamped with Chinese characters. A sick Chinaman breaks off a portion of the wax coating and makes his pills to suit himself from the black mass inside. The oils are mainly extracts of mint. A package of books consisting of four volumes in a set.each set being enclosed in a flexible cloth covering and fastened with ivory sticks, was said by the importers to be a history of the war with Japan from the Chinese standpoint.

THE LOTTERY OF RICHES.

a Poor Man.

"I have been young and now am aged women of the period, whose looks the wisdom and experiences of age. The eggs are a delicacy that come to "And I have reached that period of Chicago every fail from China. The Nife," she continued, "when I can look back and see results and note how celdom those who are born with silver spoons in their mouths, as the saying is, have the silver fork when they are grown up. When I look back and remember who were the jeunesse doree of my youth-the men whose lives and positions above all others seemed particularly enviable and desirable-and then look about me and see how few of those who were called men of pleasure in those days have attained an honorputty-like consistency for months, even able and useful middle age, I feel that when exposed to the air. They come I can preach a sermon to my boys and their friends with object lessons that ought to make it very impressive. Some are poor, having spent health and substance, like the prodigal, in riotous living. Even those who have apparently not suffered in purse or health are a set of discontented, blase, weary worldlings, who go over the same treadmill of fashionable existence year by year without pleasure of profit.

"Another thing I have noticed from my vantage ground of a lifelong experience is that, if only as a purely veridly mazim, honesty certainly is the best policy. Many a brilliant man I have seen who has destroyed his prospects by the crooked ways in which he sought to better himself fi nancially, politically and even socially whereas if he had walked honocub before all men he would have gained the world's good opinion, and in many instances the very things he coveted. And finally there are the young married couples of my youth. In nine cases out of ten, those of my friends who married peor young men, and who gave up the luxuries of their homes to exception prosperous, and in many cases wealthy, while those men and girls who married for money are, as a rule, greatly in want of it. 'Be good and you will be happy' is the old max-With every consignment are several im, and certainly it seems true from

The Apple Still Hangs.

From Glenville Corners comes a tale of woe with an apple at the top of it. Sunday morning while walking about his farm, John Schneider espied a tempting morsel at the top of his apple tree, and straightway went about procuring it, to his own misfortune and grief.

NOTES AND COMMENTS.

As soon as the vast railway enterprise which Russia is projecting through Siberia is com- the character of the season's trade depleted, it will be impossible to make a tour of the world in the indeed, as large as has been expected brief space of thirty-two days. Prince | earlier in the season, but still large in Michael Hil-Koff, the Russian minister of transportation, who recently spent crop will, in all likelihood, sell at satisseveral weeks in this country making factory prices. As it was grown very a thorough inspection of our various cheaply, its sale is sure to make money railway systems, is authority for this plentiful throughout the south, and statement. At present it requires some- New Orleans cannot fail to profit largething over two months to make a com- ly from that fact. The Louisiana plete circuit of the globe. It is not with- sugar crop, the sale of which is such an out extreme difficulty, however, that important part of the business of this even this record is made. The trans- city, promises to be as large as the Siberian railway, which will doubtless largest ever raised in this state, if, inbe completed before the present cen- deed, it does not outstrip all previous tury expires, is to cover a distance of yields." 7,500 miles. It will cost a fabulous sum of money to carry out such a mammoth undertaking, but the result of the heavenly is "teen," with an aspirate on enterprise, if successful, will be a complete change in the route over which the world's commerce has traveled for years. Still another effect which this great enterprise will have upon the world's progress will be in the enlarged commercial opportunities which it will give to Russia. It will, furthermore, enable that empire to dispute with England the supremacy in mercantile affairs which she has so long enjoyed. To pleasure-seekers, this railway, projected through the north of Asia, will open a vast area of country hitherto unknown and unexplored. That Russia will succeed in her vast undertaking is evident, not only from the millions in her treasury, but also from the zeal with which she has started upon the

a semi-millionaire in New England. There were but thirty-five persons in Boston whose property was assessed richest of all. The total white populaat \$150,000, and they were regarded as tion of Australia is not quite 4,000,000, rich men. At that time, by a rich man of which, says Mr. Owen Hall, 2.600,000 was meant a man worth \$10,000. How great is the change*in private fortunes Wales while Western Australia has less since then is shown by the classifica- than 100,000. Each of the six colonies tion of "the classes and the masses" recently made by one of the leading American newspapers. According to dependent, this, the "upper class" in American society consists of those whose income is above \$100,000; the "upper middle," of incomés from \$6,000 to \$100,000; the "hower middle," from \$1,000 to \$6,000. while the "lower class" consists of those whose whole income is below on thousand. As applied, writes Thousand W. Higginson in the Bazanr, this practically keeps farmers, mechanics and all day laborers in the lower class; ordinary professional men, shop keepers, head clerks, judges and congressmen in the lower middle; the best paid men of these pursuits in the upper middle: while the higher class includes only great speculators, or mine owners, or owners of real estate, or employers of the Indianapolis streets while the crop labor on a large scale-or else the chil. in orchards not twenty-five miles away dren and heirs of these last classes. lies rotting on the ground. The rea-

great enterprise.

run smoother and the bottom affords better holding ground.

The cotton crop, says the New Orleans Picayune,"upon the sale of which pends, promises to be fairly good, not

China, says the Chinese word for the vowels. The missionary left out the aspirate, with the result that the word meant "crazy." After Dr. Masters had studied Cantonese a few months he endeavored to preach a sermon. He wrote it out carefully, but made so many blunders in tones, vowel quantities and aspirates that some of the Chinese remarked how much the English language resembled the Chinese. They supposed that he had been preaching in English! On another occasion he meant to order a roast chicken, and told his cook to go out and set fire to the street.

Australia just now presents an interesting spectacle of the making of a nation out of scattered colonies. Of these there are six; Queensland, South Australia, Western Australia, Tasmania, In 1824 there was probably not even Victoria and New South Wales. The last two are the smallest, but yet the oldest, most populous, and by far the belong to Victoria and New South is entirely self-governing, and, as regards domestic affairs, practically in-

> According to the Youth's Companion. the record of pardons throughout the United States indicate that prison life agrees with wealthy prisoners much less than with those who are poor. It seems to be true that the health of wealthy criminals is not infrequently to impaired within a short time that only release from prison will cave their lives; while it is usually the experience of moneyless prisoners, that their physical condition is considerably improved by the plain fare and regular regime of prison life.

The Indianapolis Journal says: "New York and Michigan apples are sold in Of course the whole classification is sons for this state of affairs are not prising agent sells them, and give them little more thought or attention. The orebards should be improved and farmers should become as skilled in horti-

culture as they are in the growing of

comparison with average crops, This Dr. J. F. Masters, a missionary in

own native streams for any others. Fish, like everything else confined to sleve, and the small fry returned to the and cover with litter or earth. fond .-- C. Glover, in Journal of Agriculture.

": GINSENG CULTURE.

three inches deep, removing all weeds, hers would be correspondingly profitprepared will be ready for the recep- leaves, weeds, plant tops and everysenson of ripening depending some the chickens to scratch in. what upon latitude. Ginseng berries It is an axiom among the best poulare of crimson color when ripe, each iry raisers: "The more scratch, the containing two seeds, produced in more eggs." Fat hens are idle and small clusters at the top of a central lazy, and are of no particular profit, peduade elevated above the principal save to put in the pot .- New York leaves. When gathering the seed, the Ladger. roots may also be dug and all small, and unsalable ones preserved and replanted in the prepared bed. The seed should be rubbed from the pulp very this year, and will be made cheaper carefully, with the hand, and then still if windfalls and bruised speciground with the finger about half an the best, perfect fruit should be sent inch deep, and one every six inches to market. That will be worth more along the row. The rows should the than the poor fruit, and if only the best venience in removing weeds, should is sold the market will be kept up, so may appear. Both seeds and plants should be in the ground before hard frosts occur, in autumn, for when they or that which, from bruising, will not come, the leaves of the large trees or that which, fight to stock, or if there will fall on the bed and give the na-tural protection required. The follow-is too much of it for that, evaporators may be procured and the fruit evapoed. If the bed is thinly covered with leaves, except to cut out sprouts and irome naturally follows another, and remove any large coarse woods which a light spple crop is very likely next reary spring up from seeds or roots left in the sol. At the end of the thert in the soil. At the end of the third season, the roots will have reached a marketable size, and may then be dug and the same bed worked over and re- There is nothing better for starting stocked with seeds or small plants .- hogs to fatten than cooked field pump-American Agriculturist.

THE NEGLECTED ORCHARD.

fore we come to the point of doing any. preparation required. Some ground thing with them. People who neglect grain, cats or corn, should be put in their orchards until their trees are after the cooking is done, as the beat twenty-five, thirty or forty years old, of the pumpkins will cook it sufficientafter the orchard has been set a gene. Iv. In this way sweet, tender and exration, have just come to the point of cellently flavored pork can be made, asking, "What is the matter with my

orchard?" A man can begin to tell, whether an orchard is going to do any- socially in Baltimore, has done a some thing when it is ten years old. A man what unusual thing. Several years who has his eyes upon it can tell, when ago he enlisted as a private in the an orchard is seven or eight years old, United States army, and, solely, if that orchard has a future, and he through his personal merits, he has ought to begin right there to study risen to the grade of second II utenant.

MARKETING FALLEN FRUIT. paying tates, so that the best sold by itself will bring more than the whole

rated so that it will keep. One ex-

PUMPKINS.

kins, nor is any vegetable more easily and cheaply grown. Breaking the punmpkins open and removing the We leave our orchards too long be- seeds before cooking them is all the

James Clinton, formerly we'l known

The Chinese importations at Chicago amount to \$100,000 annually, most of which is cleared during September and October.

BA	RBE	RS	ACA	DEMIT.
	DA	DANDE	DANDENS	BARBER'S ACA

cated.

It was reserved for the genius of an American to found a school to teach mankind the beauties of the tonsorial art. Such a school there is in New York. There for the small sum of \$25 you may learn to barber your man a la mode. If you don't cut some poor fellow's throat while learning you're lucky; if you do-well, then he's un. day meal. The stove was overturned, Incky.

This progressive institution is here. and is anchored on the rock of popubarity. Promptly at S 9. m. the doors are opened to "subjects." who for two hours have been waiting with beards rips for the harvest.

Whence come these bold men ready to loan their physiognomies for tyres to perambulate across with the deadly razor, which at odd moments may perchance turn into a harrow for subcuticle purposes? They are mostly the a clock, which was thrown from its "other half." and have received tickets shelf and practically demolished. for a free haircut or a free shave, and they know a good thing when they see it. The other half usually has hair and bristles to spare. When at the head of the line you stand a better chance of escaping without serious loss of blood peated the performance until the dog than the fag-enders. The first comers was dead, when she started down the fall to the lot of a more experienced road, scattering all who were out for pupil, and that is the reason applicants a Sunday walk. come early.

The operating room covers an entire floor, and contains fifty stretcher (Ohio) Recorder. chairs, with an aspirant for barbaric fame behind each one. Between the two lines of chairs runs a long table with looking glasses and all the necessary appliances. In the extreme rear of the room is a pen in which are confined the bristly.

At the bottom of the line of embryo barbers is a pretty little girl in long apron, for all the world like a hospital nurse. She is a "lady" barber, that latest production of woman's rights. There are others like her, but she is the prettiest of the bunch, and an object of competition for the penned ones. To lose the tip of one's chin in her service would not only be easy, but almost agreeable. She has been in the school only about a week, but already she knows her business, or at least the main side of It.

She shaves her man and, while a little nervous, does not make such a bad job of it after all. The pupils, as a rule, honey and avoid being stu-g. Just hold stay long enough to acquire the rudiments of the trade, and then go forth to seek positions as "extra men" until, perhaps, they can secure a permanent it. Even the bullet-like hornes vanuot chair in some shop and mayhap have injure you if you just stop breathing a place of their own.-New York Mail and Express.

In Mexico the tobacco plantations are penal settlements.

It so did happen that John was at tired in his choicest raiment, and while climbing the tree his nether garment was destroyed. Undaunted, however, he reached for the apple. Something broke and he fell. Immediately beneath the tree the festive honey bee made honey, and the farmer involun-Where Embryo Tonsorial Artists Are Edu- tarily found himself foreibly deposited upon a beehive. Thereupon the bees sat thunseives upon the unfortunate for a period, and, then unrevenged for the destruction of their home, made war against the family horse, grazing near by. The horse rushed to the housewife for protection and invaded her kitchen.

Mrs. Schneider was cooking the midand in preventing a conflagration she narrowly escaped being burned. Schneider hurried to her rescue and was kicked in the pit of the stomach by the once doelle horse, which then set itself about demolishing the contents of the whole house, but was frustrated in his design by the narrowness of the doors. Mrs. Schneider then turned upon the horse. She rusued at nim with a broom. Instead of hitting the horse the broom came in contact with

The horse ran out of his own accord and in the yard met the family cow. The cow received a kick in the side, and, terrified, ran at the pet Gog and tossed him into the air. She re-

And over all the apple innocently lang, and still hangs .- Cleveland

Diamonds Made From Metals.

A few days ago M. Moissan, the dis tinguished French metallurgist, discov is manufactured it probably contains diamonds, and this has been found to be the case. By dissolving away the metal in acid and treating the residue with concentrated nitric acid, potas-

Here is a way to rob a beehive of your breath. Simple and e.sy enough, and the only reason it hasn't been tried more often is that few people know of for a moment. In fact, you can pick him up and watch his stinging apparatus vainiy work, for he can't puncture

iron.-New York Journal.

frankly based on wealth alone, leaving bard to find. Indiana farmers do not birth, education or character out of give the attention to their orchards that sight, except, perhaps, as recognizing Eastern and Northera growers do. that brains at least have some share They plant the trees that some enterin money making.

At last some details are forthcoming as to the cause of the Italian defeat at Adowah, Abysinnia. From the official report as to the circumstances which led to the castastrophe to the Italian army it appears that two reasons may be assigned, viz., a topographical error made by the commandnearly so disastrous

years. When the cause was sought dent of the United States. for, it appeared that those who are thus affected are frequent users of the telephone. The listening part of the instrument is generally held in the left hand and put to the left ear, while the right hand is often used in taking notes, etc. In the cases observed the subjects heard the slightest sound through the telephone with their left ears, but could understand little or nothing if the instrument were put to their right cars. It is therefore concluded that the telephone has an appreciably stimulating effect on the tion is made that the instrument be used alternately at the right and left ear.

tucket Shoal, forty miles out in the At- it is moist, or kicking out a footing if lantic Ocean, in the lane of travel taken it is dry. When he is sure of a good by vessels bound from Europe to New foothold the other foreleg is brought York. With its establishment the down in the same way. Then he perstation at Fire Island will probably forms the same work over again with cease to be important as the first point his feet, bringing both forelegs a little on the American coast sighted by ship- in advance for the first foothold. This ping bound to New York from the east, leaves good places all ready made for from which the agents in New York the hind feet. Now bracing himself up first hear from their vessels. The sta- by his huge, strong forelegs, he draws tion has long been considered practic- his hind legs, first one and then the able, but the cost of a cable and doubt other, carefully over the edge, where as to the part the Government should they occupy the first places made by play in the enterprise has prevented the fore feet. This is the way the huge decisive action heretofore. Orders animal proceeds all the way down. have been issued by the Treasury De- z'gzag, kneeling with his forefeet, pariment now directing the transfer of Thus the center of gravity is preserved the Nantucket Sheal ship to a point and the huge beast prevented from ton miles farther out, where the waves topping over on his nose.

corn and wheat." The following large cities of the United States are without representatives in the United States Senate: New ing General in the sketch of the local- York, Chicago, Philadelphia, Brooklyn, ity, and which made General Alber- St. Louis, Boston, Baltimore, San Frantone's brigade appear nearly four cisco, Cleveland, Buffalo, New Orleans. miles ahead of its actual position, and and Pittsburg. The only large city in non-compliance with orders received the United States which will have a on the part of the vanguard of this representative in the next United brigade, who, instead of taking up a States Senate as the result of elections position as ordered by General Alber- already held or which had a representtone, at the mouth of the defile ative in the last United States Senate through which the brigade was to ar- was Cincinnati, and Cincinnati has not rive, proceeded at once to attack the had previously a representative in the outposts of the enemy. This shows on | United States Senate since 1885, when what seemingly trifling circumstances the term of Geo. H. Pendleton ceased. the issue of battles may sometimes de- The unique feature in the life of expend. In the opinion of a French Senator Thomas W. Ferry, who died critic, but for the topographical error the other day in his seventieth year. the premature attack on the part of was that at one time he was acting the vanguard could not have occurres. vice-president of the United States. and the fight would not have been This circumstance was occasioned by the death of Vice-President Henry Wil-

A German newspaper asserts that son in 1875, when Mr. Ferry was the about thirty thousand of the inhabit- president pro tempore of the United ants of Berlin hear considerably better States Senate; and while acting in that with their left ear than with their capacity it became his duty to sign the right. This has been observed in con- document which declared Rutherford tinually increasing measures for fifteen B. Hayes to have been elected Presi-

Climbing Elephants.

Elephants are able to make their way up and down mountains and through a country of steep cliffs, where mules would not dare to venture, and even where men find passage difficult. Their tracks have been found upon the very summits of mountains over 7,000 feet high. In these journeys an elephant is often compelled to descend hills and mountain sides which are almost precipitous. This is the way it is done: auditory nerves, and the recommendaforcleg is then cautiously passed over the edge and a short way down the slope, and if he finds there is no good A maritime signal station is to be spot for a firm foothold, he speedily established by the Government off Nan- forms one by stamping into the soil, if

No Breath, No Sting.

your skin any more than he cat sheet

sium chlorate and hydromuoric and sulphuric acids, minute crystals are left behind .-- Pall Mail Gazette.

carbon at the high temperature of the electric are, some of the carbon would separate out on cooling in the form of true diamond. Another chemist, M. Rossel, has conceived the idea that owing to the method by which hard steel

ered that if iron were saturated with