

lumber, with the consequent increase cost,

In the cost of wood make the erection

While the unprogressive farmer is of fences on the farm a matter of con- content to have a few bars to let down cern, for the landholder hereinfore has in order to admit of the passage of looked upon wood as a proper material teams or warons, no fence is complete fence. Metal-that is, fence wire-has without a gate, for at best bars are almost entirely replaced the rails which only maleshifts and a loss of both at one time were considered necessary time and temper. It is surprising how to make a fence stock-proof. We still common they are when excellent and find, however, that timber is. In most servicentic light gates can now be pur-localities, the cheapest material for chased very cheaply and even where it may be necessary in every section and hang a strong useful gate with no

The depletion of the timber lot and its possible to obtain from them fences it will be better and a saving of time

r the landbolder bereinfore has in order to admit of the passage of be given a final coat. The first or vaniages of the combinate and hung. It can be detended as a proper material team of an effective without an entrance, and therefore team of an effective without a gate for at best bars are. The second and has coats with of the plan are very grant Assistant Second and has coats with of the plan are very grant as the plan are very grant as the plan are very grant as an effective without a gate, for at best bars are. The second and has coats with of the plan are very grant as an effective without a gate, for at best bars are the second and has coats with of the plan are very grant as an effective without a gate for at best bars are the second and has coats with of the plan are very grant as an effective without a gate for at best bars are the second and has coats with of the plan are very grant as an effective without a gate for at best bars are the second and has coats with of the plan are second and has coats with a second and has coats with a second and has coats with a second and has a second and has coats with a second and has coats with a second and has a The second and last coats will of thusinstic advocate of the plan and course, he a little thicker, and in order states that where the tan has been to dry hard, and with a little gloss, put into operation the beneficial re-should contain a with a little gloss. should contain a small quantity of tur- suits have seen manifold. The ques-pertime and boiled oil. While tastes flor has been aglisted to a considermay differ as to color, results have able extint in his own Sinte of Minn shown that white seems to give the easta, due largely to his own offorts, most satisfaction, while the iron work Professor Hays is thoroughly alive to ance of the gateway.

STILL USE DASHER CHURNS. FOR BETTER FARM EDUCATION.

Even in this Day of Creameries, Butter is Made in the Good Old-Fashioned Way.

that the butter you buy at the grocery as the young much or woman who is to store now was made in a creamory for enter professional life has special inthe great bulk of the butter consumed struction nlong the lines he expects to in this country is made in milk estab-lishments. But there is still some but-school comes in, with its better efficient ter made by hand, and "we still sell tional facilities churns right along."

speaking of the growth of the cream- advantages of a high school education ery business, are of the cylinder type. As President Creelman, of the On-operated by a grank, turning within tario Agricultural College has pointed he churn a wheel with paddies, some- out, the artitem, undocustedly ps, from times like the paddlewheel of a steam- a standpoint of dediars and conts, more hoal, but we still soil as well, churms expensive, for the first few years at of the old-fashioned type, such as our least, but the rural rateparer has it to grandmothers used, and such as their grandmothers used before them. I enther pay five dollars more ber year at Fort Stevens, at the moute of the might add that the old-fashioned and secure for his how or give such Companies and we gave him a sort of dasher churn is still, as it has always increased benefits as the consultaned

churns in the day of machine-made who perhaps does her best in a little butter? Why so to speak, the oldest. people, and the most modern, to They are bought by small farmers farm gates 16 feet wide or thereabouts keeping only one or a few cows, who in order to admit of the transfer of the naturally continue to make their own

A SUBSTANTIAL ROAD GATE

of the country to use posts made of] other outlay than the expenditure of a few hours' labor and certainly in less iron or concrete, even as is now done ime than is required in the continual in many places.

outting down and up of the bars. An essential feature of a rall fence Experiment has shown that it is adis a comparatively short panel, 511 visable to have the openings of the now that wire is, in the majority of cases, taking the place of the rail, it is questionable whether as many posts are necessary as was the case when rall were used. Recent tests were made at an English experiment station to determine upon the best method of con-structing a fence. One point considered was whether a fence constructed with

a dropper is as efficient and durable as one constructed entirely with posts. A second point under consideration was the minimum number of posts required in the construction of an efficient and durable fence when droppers are used and the character of the dropper required for best results. The dropper is a thin vertical brace used to strengthen the stretch of wire between posts. A.8 metal is admittedly more durable than wood, an endeavor was made to obtain a suitable rigid metal dropper, but with out success

NOTCH THE CORNER POSTS LOW An error that farmers sometimes make in erecting a fence is that place the corner supports or struts too near the top of the post, and consequently at too great an.angle with the line of the fence, so that when the wires



CONSOLIDATED SCHOOLS.

"I Grow Hair" Assistant Secretary Hays Points Out Necessity for More Thorough Farm Education. Is in Effect a Country Free \$1.00 High School.

The consolidated school question is a feature of the country school educa-tion problem which is rapidly coming to the fore, especially in the northwest, and it promises much for botter farm education. The proposition is that six or seven or ten of the cross-roads schools in any rural district shall be combined into one larger school and were it not for the quantity of transthe gradual decrease in the supply of constructed entirely of metal at small if the timber after being cut up for period of the scholars to and from lumber, with the consequent increase cost. the gates is given a couple of coats of the control school, it would indesibled paint before being put together. After its more with interestal favor. From the gate is completed and hung, it can an edgentional point of view the ad-be given a final coat. The first he is to keep his foremost position among the world's agriculturists.

> The time, Professor Hays says, has gone by whom an "medinary" school education will serve for the farm boy The three R's are not sufficient to enable him to succeed in life. He must The chances are ten to one or better have special education for farming just

Canada has taken an advanced stand The greater number of the individ-nal churns now sold, said a churn her country schools. In a word the farmer's children are being given the decide for blunelf whether he would been, painted blue. Who still buys these old styles hand hands of an inexperienced give teacher, alwars heard of demonstration of any kind

PRACTICAL FARM SC'ENCE. One of the most important features that are did how any how and the war-of these achieves in the achieves and and her of them is a more than the called her is another, at rest at just in a practical way. Such gardens are your more there doing the Casa In a provenue, confined to the rous biance art and a sold'er lasses of the sold one sold are as sold one sold are now being of them in term and roker like a fex. kept in connection with a number of and brought him into camp. the more progressive district achievs . Joe was the name given him, and in various parts of the country. They day after day he was led by some memare usually from two to three arres in der of the company until the long fif area, divided into experimental and vera-bundred-mile march was ended, individual plots for each of the pupils, the toterated the portion of the rations ranging in size from six feet aquare hunded tilm, but never amiled in re-

grounds: (1) a half-acre playfield for hundred yards long; (Is an attractive approach to the school consisting chiefly of a piece of open inway, with , starules and flowers on either side: (2) a suitable reservation for individuals and class plots (7) an orthard plot

Package B. L. O'C. No Longer Any Excuse For Dandruff, Falling Hair or Baldness. 71. Write North Before and After Using This card an Magic Compound. we actually prova hair, stops hair failing out, invoking the field and quarkly vestores huminant with the khoning works, configuration and evaluation quarkly resource gravies in holds their to the natural is below back way to inkee my word for it; her me you is full \$1.00 per kage from Weite forday. gers the purp: 10111 222 FREE SI.DO PACKAGE COUPON For each size inserts from builders, such out these compares and which failed and be have deven particular the state of the second state of the sec OUTFIT YOUR EXACT SIZE SHIRT dive tid, address -write plainty FANT JOE, THE INDIAN DOG. Sine det From Sunsel. CAF 2 Litt he ever make friends with the 88.1.7 bettern hern?

No," said Sergeant Wright, "he newer did. 1 understand dogs, and I know dust our dog los dash of a broken heart contains, and we gave him a sort of anothinal milliary funeral and buried him where the mouning of the bar is

There had been a harris near the one-roomed school, without facilities velocations, and the Nez Perces had gradually had to give way and retreat as the dusk drew down to hide the dumage of the day. But all the war-

to six by len or even twenty The general plan of laying out each garden involves (1) a belt of native matter of common sense, and on the prounds: (It a half-acre playfield for to Omaka across by rail to the Pacific the hoys: (1) a lawn bordered with and up the roast to Oregon, he was the shade trees for the girls (1) a shaded name dignified dog always with an ear walk each for hove and girls, about a avalance, anticipating the footstep of his hudian comrade.

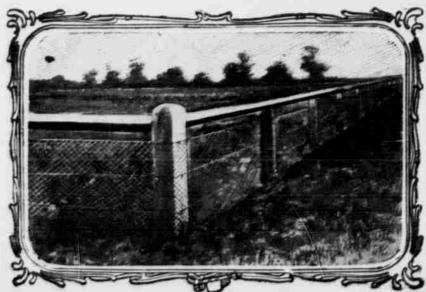
But it hever came No amdier had learned to have him. but all respected him for fidelity to his dead toaster



are stretched tightly the post is pulled out of the ground, notwithstanding that huge howlders are plied against the post or hung on it, in an endeavor to keep it in the ground. One fence which has been found to prove very satisfactory consists of equare posts and top rail, with three or four rows of plain wire fastened on the outside edges of the post, instead of through holes bored in the uprights. To these wires is fastened ordinary poultry netting with say, an inch and a-half or two-inch mesh. This netting may be strained very tight and will lie as flat as a board, the appearance of the fence being thereby greatly improved. While the use of barb-wire in the

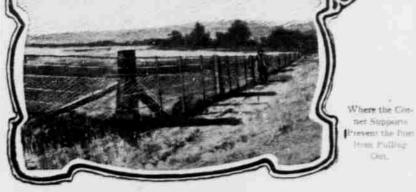
construction of fences is regretted, ow-

ing to the injury which it sometimes farm implements from one field to an- butter, and who make it, of course inflicts upon the live stock, there is no other. Where some fields are planted with a hand churn. Some of these doubt that its employment under cer- with small green crops from which the farmers might make more botter than tain conditions prolongs the life of a farmer desires to keep his poultry it is fence, deterring stock from rubbing; thought best that the bottom rail of against it and unduly straining the this gate should be within an inch of plain wires. It has been argued that stock soon get to understand how dan-crawl under. The gate posts should be the posts should be against it and unduly straining the this gate should be within an inch of plain wires. It has been argued that stock soon get to understand how dan-



A PLEASING FENCE OF TIMBER AND POULTRY WIRE.

A PLEASING PENCE OF THERE AND POULTEY WIRE. gerous barb-wire is, and when in a quite condition are rarely injured by it; but once excited by panic or play they forget its danger and often suffer in consequence. While there may be some styles of woven fence which will enable the farmer to discontinue barb-wire, the new material must have suf-ficient elasticity to recover from occa-sional very aevere and unusual strains and also sufficient to respond to our varied conditions of beat and cold, and so require no straining after its erec-



they would their surplus emm, to the are allowed the proceeds of their plots

keeping cows, who make their own butter because they prefer to anyway and they are bought by various people everywhere who want sweet or un-salted butter and who make it for themselves in hand churns.

America exports churns to the West Indies and South America and to New Zealand and Australia and to dairying countries in various other parts of but we still supply our own world: people with the old-fashioned dasher as we did twenty years ago.

TO TACKLE HAZEES.

The hazing trials at Annapolis foi lowed by the long discussion of the subject in and out of Congress have served to widely advertise the Acad-emy, and, as a result, there has been an unusual rush of applications from ambitious young men who aspire to be come admirals. Many of the applicants

ing gloves, and would like to have some of the Annapolis fellows try their varied conditions of heat and cold, and so require no atraining after its erec-tion. The American fance manufactur-bans assem to be ahead of the Ences, for it and in giving a tidy appear-te the production of wire fences, for it and in giving a tidy appear-ter the production of wire fences, for it and the constant of the total of the wood the set of the set

the need.

PLANTS GROWN BY PUPILS at The ordinary range of vegetables and a sciencion of flowering plants are grown in these gaugens, the pupils themselves farmining the necessary work. In the large scheme two hours work. In the large schools two hours every inclusion over 16 years shall each week are found sufficient for is able to read and write in some lan-the garden work, and one loar is inter the class and placing in the scaladed the smaller in both cases under the class index in the line indext. supervision of the seacher or a special manual intervers of poor phraique. instructor. The school garden servers liepartment of Commerce and Labor a double purpose, since it not only is given discretion to admit or exclude provides the most practical form of minigratic ander 16 years of age matrice sinch but sets as a valuable in coming to this country alone. The centive in the general school work. It proposed haw, it is stated, would sift is no uncommon sight during the sum- but a good many undesirable persons mor season to see a public school in season out of doors, not with slate

and penell but with how and above! The pupils thoroughly snice it. country store. And you find larger farmers too farmers perhaps leseping many even and selling the built of their milk to a creamery still continuing to make the butter that they need for them-selves and making it, as they have al-ways done, in a hand churn

selves and making it, as they are the former level Master Andrew star ways done, in a hand churn. Such churns are sold to people ity-ing in suburban or country homes and better own they are their own they are the source as they stand-



Deer andres - I tride you way or speling meny yeres ago sinse wen i hur uzd no uther. Tu yeres ago alco I uzd Perz sope, an zyu cao the cest. TION.



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BOYS,

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