Braid of Works acientacist.

A WEEKLY JOURNAL DEVOTED TO LITERATURE, AGRICULTURE, AND NEWS.

"AGRICULTURE THE TRUE BASIS OF A NATION'S WEALTH.

FREDERICTON, N. B., AUGUST 16, 1879.

When to Cut Wheat

BOOK AND JOB PRINTING

of all description

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Brains with Muscle.

Some people imagine that farming why dairymen should spay their cows, requires but little outlay of brainpower to make it successful. But as some one has truthfully said, " Brains use." Take two men, one of them

experience, its powers of ravenous des-about 24 to 72 millions of eggs! The searching for something to cut their upou the subject. Johnson's Encyclo-of the walls is also said to be of great of an epizootic kind, and when sick, other, the weakest man of the two

sont in the vicinity, or even in the We have known large, stout, healthy the appearance of the "bug," and which almost exceeds belief, is owing tions, and give their owner less cause man cut a shief from his field four insect powder, two parts of finely herd, spayed cows are always in con- men, who were hard workers, and weeks before the grain, was ripe. He divided sulphur, and two parts of dition and fit for the butcher. To yet always on a "stern chase" with shawns or stalks, how it perforates having become more succelent by If well cared for, fowle will not be let this stand in the field two weeks, lycopodium The mixture should be prevent loss and save expense in the their work; they were always in hot the green leaves and reduces them to culture than it is in its wild state. troublesome, and one need not be par-Though the voracious beetle travels ticular about the breed. Brabmas day cut another, which stood another a quill nozzle, and a little of it sprink- loss of some, and loss of condition and fact that their bodies were better than In case some may never have seen a full grown specimen of the following description of it. Its scientific name is *Chrysomela* Though the voracious beetle travels a full grown specimen of the plague, we give the following description of it. Its scientific name is *Chrysomela* Though the voracious beetle travels a full grown specimen of the plague, we give the following description of it. Its scientific name is *Chrysomela* Though the voracious beetle travels a fast and far, in multitudinous swarms, a fast and far, in multitudinous swarms, it is a mistake to suppose that the de-vastation committed by it is only parboat on the upper side of a large (Doryphora) decembineda. Its size is tial and transitory, or that in the where there are a variety of breeds green, and the grain, while plump, very few minutes. A cheaper plan 4. Spayed cows give the same boulder, and then, by stress of mind about half an inch. It is of an oval same ratio that the swarms advance kept together The Leghorns will was full of milk; the straw of the consists in suspending a small bandle quantity and quality of milk the year and muscle, roll it on the drag, while about half an inch. It is of an oval form and somewhat shining body; its predominant color is orange, but the thick end of the antennae, the eyes and a heart-like mark on its neck and heart h sheild are black, as are the fore and back margin of its body, and its lon-no means ceased with their departure, as there is a kernel left. A good way

AMERICAN VINES .- A great deal of vine-growing provinces of France in

the butcher, as it is not saleable in some at least of the varieties imported the market .- Farmer's Union and Tri. from the other side of the Atlantic are proof against this remorsless foe.

The most celebrated of these are the Fertilizers for House Plants. river grape, the ash grape, the sum-When the plant is in a bad condi- mer grape, and the heart-leaved grape,

The following reasons are given sirable object may be accomplished. 1. Spayed cows are more easily

Spaying Cows,

truction become to be felt here. Most farmers of New Brunswick are, we ded function of August, may be reckoned by else. The birds will be more healthy, daresay, familiar, by this time, with thousands of millions. This increase and will perform their regular func. a person named John Hannam. This composed of 120 parts of Dalmation are numerous black spots. The legs more or less intensity, after which with broken pottery or coarse food. are numerous black spots. The legs more or less intensity, after which with broken pottery or coarse food, are provided with four joints: the period it ceased; while in some regions There were bitter complaints about the raw state at two shillings per the string which suspends the latter nes or accident; not to speak of the does not "think;" and this law ap-

to a beetle. According to observa-tions its development in garden and field proceeds as follows: In the be-ginning of May, when the plant puts of May, when the plant pu forth its young green leaves, the came of smaller size; but if the work inquired into the matter, and found beetle comes out of the ground in of destruction on the plant above that the birds were suffering from the shrink and ground began when its new leaves lack of their usaal supply. A ration LOW RATES which it has wintered, and after about a fortnight the female lays a plential supply of orange colored eggs, of from twelve to twenty, on the underneath the other to twelve to twenty, on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty on the underneath the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the grain become hard the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twenty to comprehend that the straw should the other to twelve to twelve to twenty to comprehend that the straw should the other to twelve to twelve to twelve to twelve to twelve to twelve to twel

How to Clear Cow Sheds and Stables of Flies.

A correspondent of the Maine Farthe month of May, 100 females will larger, while in the breaking there mer having propounded the question The Breslaeur Landwirth notices a

estimated at between 700 and 1200 a resident suffer more than those that shows the effects of a change wheat should be cut to obtain the best

"when is the best time to cut wheat," variety of methods by which this de- when not intended for breeding :--Much has been said about the Colo- their ravenous progeny, by the end Of this they are fond. When this the editor replies in this wise :-Much has been said about the Colo-rado Beetle, but we are afraid, that of summer will amount to from 7,000 practice is followed up through the very much more will be said about to 20,000; and these again, in the season, the fowls will be more quiet a much discussed question, and a great of chloride of lime in mediately under are not spayed. the pestiferous insect when, by sad months of June and July, will yield and scratch less. They are as often diversity of views have been expressed the roof; and frequent lime washing 2. They are less liable to sickness with half the physical strength of the

are provided with four joints: the period it ceased; while in some regions the latter under wings are of a pale red color. It undergoes the same changes as the butterfly. After casting its skin its charge is state begins, and the lawys, and wallowing holes in the lawys, and wallowing holes in the lawys, and wallowing holes in the walks. I investigated the matter. dormant non feeding chrysalis changes ing of potatoes was completely given The walks, underneath the gravel, over the green also. This practice convenient means. A still further risk to run from milk fever, nor trouto a beetle. According to observa up. If the green leaves of the potato were paved with clam shells that had while it may succeed in the humid plan is to fumigate the rooms with ble with cows called bullers.

forty days. After laying its eggs, the regions of which it has long been There is perhaps no breed of fowls In order to determine just when insect world.

in number, it feeds on the leaves in which have been newly attacked, and more readily than the Leghorns. I results in respect to the quality of the Importance of Protecting Manure. bune. company with its consort. The young that a greater deficiency in collecting do not say that in this respect they flour, we must understand what The practice of keeping barnyard

excell all others, but in my own ex- changes take place in the kernel after manure sheltered from the weather old, follow their example. When There is a diversity of opinion as perience I have found it to be the case it is first farmed and cut it at the is continually gaining in favor with young they are of a darker cotor, afterwards they become lighter.— When the larva has attained its full length it resembles a caterpillar. Its

nt to g.c. Sir: -- Please find enclose sum of \$1, in payment one year's subscription to " Agriculturist." Yours, g CUT THIS OUT.

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VOL. II.

blackened fibres

Agriculture.

The Colorado Beetle.

know now it operates on the potatoe to the potato plant on which they feed of complaint.

larvæ, when from five to eight days the crops is there observed.

sengers and crew, knowing well that need shells.

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length it resembles a caterpillar. Its pagation of insect eating birds; others for the past fitteen or twenty years hindermost ring, its head, and eyes say that this natural check is unavail- have been gradually improving, both water would dry out and the grain animals are fed and littered in cover- perience in the care of plants is over are black, as well as two rows of pro-tuberancies, like warts on each side of its body. Arrived at this stage of development, in about seventeen or twenty days, this caterpillar descends from the plant into the ground and or by means of bags of partice. turns into a chrysalis. The beetle lar construction, and by crushing the choose for himself

fore mentioned makes an estimate of suitable quantity each day (as they

the whole number that may appear relish them better freshly broken) as

during a summer season. Thus, in large as a kernel of corn, and some

have laid their eggs in a potato field ; will also be some like dust and sand.

derived from it already begins to liv eggs deposited on the leaves. The ----

eggs in the middle of June, thereby last mode is very useful indeed when BARNYARD MANURE.-The London producing a new generation of de-the beetle first makes its appearance, Agricultural Gazette says: "The far-the flour stick when kneaded into the flour stick when kneaded into ure. The floors of the stalls are sunk

eggs in the middle of June, thereby producing a new generation of de twourers, which, alter having gone through their metamorphoses in fifty to fifty five days, are succeeded in the beginning of August by a third gene eration. The beetles of this last men-ioned generation, which, alter through under the earth, as before stated. "We cannot," says a writer in the *Loisure Hour*, describing the habits of the Colorado Beetle, "but reflect on this strange provision of nature, that the two first families of this tribe should remain above ground, and that it is only the third and last generation which find families of this tribe should remain above ground, and that it is only the third and last generation which find their way into the earth when winter draweth nigh." liver. It is frequently the trouble third and last generation which find the effects. Beyond a certain extent, the effects of far appears of far in hirds or anis

The Colorado Beetle in the course an overburden of fat in birds or ani-of twenty years has travelled from the mals breeds disease. They should be failing help to a growing crop. Plen-quality, white and nutritious. Rocky Mountains to Maine, and we kept in what is termed a good work- ty of good dung, say they, is the stuff LICE, TICKS, ETC.-Prof. Verrill, in Rocky Mountains to Maine, and we may add New Branswick. In 1877, ing condition, except when being Earther than on pulse. Other manures may be been at a first for the connecticat with manure that protected, against it found its way across the Atlantic, and appeared at various places in Germany; this the effect is damaging. The liver good for special purposes, but good, this the effect is damaging. The liver good for special purposes, but good, this the effect is damaging. The liver good for special purposes, but good, this the effect is damaging. The liver good for special purposes, but good, the the transformation of the connecticut best, simplest, and softest washes for manure: and in potators the violation the transformation of the connecticut appeared at various places in Germany; and the anticipated visitation was con-becomes affected, and the other or-old-fashioned muck will do for every destroying external parasites of ani-manure; and in potatoes the yield per sidered of sufficient grave importance gans suffer in sympathy. The evil of purpose. It is in itself a store of mals (man included), is a solution of tick mathematical acre was 471 bushels with the usual to be remarked on in the Rritish Par-intemperance may be indulged in by food which is gradually made avail-sulphuret of potassium of waterliament. The London Times speak. eating as well as by the partaking of able for growing plants during the varying the strength according to the that the gain in manure by this meing of it said, "that this justly dread- ardent spirits. Long excess is detrise entire period of their existence. It age and tenderness of the skin of the diminution of soluble nutritive coned addition to the plagues of thirty mental to the health, and produces is the natural means of renewing fer- animal. The solution will contain counterbalance the exact cost. centuries, surpasses them all in its disease in one form or another. For tility, because, in the economy of some free potash which might irritate

locomotive powers, in its versatility, this reason a change of diet is desir- nature, the forms of plants and ani- the skin, if too strong. Otherwise The New York Tribune says to an should say water comes first, because apply to the clover crop. in its power of adapting itself to cir. able. After fowls have been fed to a mals are after death, returned to the there is no danger in its use, though enquiring correspondent :- All the it is something we cannot get along pools, and docks, which is all it wants. supply of broken clam or oyster shells. there than with us." In this way it approaches a barge or These they devour eagerly, and they

cargo, and disembarks with the pas- large is no reason why they do not expected to bloom in winter. Keep skin or animal. the plants in pots out of doors, under

usually are, it can be dormant and the same place, ranging over the ning of September shake the soil owns or occupies from a rod square wishes to make a selection from the for none are drowned.-Ex.

apparently dead for long periods; it yards at will, there is not an inch of from the roots, replant them in rich to an acre of mother earth should large breeds, he would do well to Sub-earth ventilation, for making can instantly transform itself into a ground that they have not travelled sandy loam, and bring them forward have a garden. Nothing affords choose Brahmas or Plymouth Rocks. cool dairy rooms, as practised in Illi. upon this.—American Agriculturist. new coat, new limbs, new armour, and over again and again, and picked up to the sun and air. Place them in a greater pleasure to the members of Of the layers, he may take his choice, nois, consists in laying air pipes new digestive powers. It can change all the substances available to them. sunny window, in-doors, when there the family than the cultivation and but the Polish are the quietost. it is said, its dictary from year to Fowls, do not, like turkeys, range at is danger of frost, and when they daily sight of flowers, while the grow-

new digestive powers. It can change all the substances available to them, it is said, its dietary from year to year, nothing comes amiss with it; the diet fails and the insect under- the insect only therein. Consequently all the They need plenty of sun and air and gardening is not profitable, in a under cover and exactly the same open to the sun. Mr. Charles W. deals death without injury to plants. The Colorado Beetle is in verity a material required by them is closely a comparatively low temperature. money point of view, it pays largely kind of manure dropped just outside Sylvester of Harvard, says the Belvi- Ants are sometimes very destructive The Colorado Beetle is in verity a formidable invader; to its various protean powers which appear to baffle hard stone, should be kept for this x_{are} should be kept for this x_{are} but little water, plenty in health and pleasure—both important items. So, good reader, don't the weather. The crop from the formidable that from milk room at 56 degrees the, year in a kert double that from the very the control is a comparatively low temperature. The color of the very interval of the ve extermination, must be added its purpose near their feeding places, and of sun, and should have a small pot delay or fail to have a good garden !- mer was just about double that from round. This is a system well worth water is very thorough in killing amazing fecundity. The writer be- also a large heap of shells. Break a with light soil,-Rural New Yorker. Moore's Rural Life.

the latter.-Lowell Courier.

solution a little sugar. If cut now the plan is very widely practised. The one with those who have had no ex-

"in the milk." Next gluten which is movable bars, so that when they are water is one of the things needed, and yalue if they would and so by intermediate the movable bars, so that when they are the nutritious or flesh-forming prin-taken down a wagon can be driven with invalids a stimulating fertilizer ciple appears; it is this which makes through the shed to remove the ma-

may be guano, a tablespoonful to a

gallon of water; soot, two tablespoonfuls to a gallon, or the water of ammonia (liquid hartshorn) of the drug edly proved. The experiments of stores, an ounce to the gallon. Water the plants with either of these, in-

requires. No invariable rule can be given .- American Agriculturist. ***

Where to Locate an Apiary.

cumstances, and in the determination certain extent on one kind of food, earth to be become incorporated with it has a disagreeable smell. Another desirable qualities are not found in without. There is a great quantity A slop made of corn and oats, LOW RATES cumstances, and in the determination certain extent on one kind of 1000, earth to be become incorporated with it has a disagreeable smell. Another desirable qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in without. There is a group qualities are not found in used by the bees on a hot day to keep ground in about equal parts, with a the combs from melting down be little oil meal added, makes the best It can fly considerable distances and it matters little what feed we give to Farmyard manure is quite as much easily made of quicklime, slacking it breed of *jourls*. For size, Brahmas, the combs from melting down, be- little oil meal added, makes the best has a wonderful instinct for directing our fowls, more especially laying esteemed upon the Continent as here, in water until it forms a thick, milky Cochins, Dorkings are Plymouth sides what is used in feeding brood in food for the sow while sucking, to its flight; it can take to the water, hens, if we neglect to give them gra- although the study of agricultural solution. Into this put as much Rocks and good, being the largest. the latter part of the season. When increase the flow of milk; and this, and walk or paddle, if not in the open vel. This is quite as important as chemistry is more generally followed flower of sulphur as will dissolve by The Brahmas and Rocks are also the wind blows from the east, hot and with clover pasture and plenty of sea, which is not necessary, on rivers, the food itself. They require a daily and more highly esteemed by farmers boiling for some time. The result good layers and good nurses, quiet in dry, I have known bees to use a pound soaked corn during the summer, will will be a deep yellow solution, which disposition and altogether pleasant a day to the hive, allowing a suffici- promote a rapid and healthy growth

a ship, walks up the sides, stows it- are as necessary in summer as in Geraniums must have a season of gasoline will always banish lice, ticks, breeds are smaller in size, more active life is governed, we might say, by the is very effectual. Care application, of and profitable. The so called laying ent quantity for evaporation. A bee's of the pigs.

value, if they would, and so, by interchange of ideas and experiences, all is the one thing of all others not needed. When plants are in a flourishing would like to ask: Why are farmers fertilizers may be useful, especially if like a dark lantern? Because they the soil in the pots was originally are full of light but do not let it shine

Now I know some few things I think are pretty good, and I would sary to avoid unpleasant odors, and to like to swap ideas

A correspondent of the Nebraska Farmer makes the following pertinent

The milking propensity in some breeds of cows is extraordinary. Some families in a breed, too, are famous in this way, and single individuals are now and again very remarkable. Lima, an English Jersey cow, yielded for 1876,-77 and 78, an annual average of 8,852 pounds, probably much more than twelve times the weight of the cow, or, in other words, she gave in 36 months an average of more than her own weight per month in milk.

stead of clear water, once or twice a That the quality of hay is very week, as the condition of the plant

materially dependent on the time of cutting is well known to experienced farmers. The longer grass is left standing after it has blossomed the greater is the increase of indigestible The first great point in going into woody fibre, and the greater the apiary. There are several points that stituents in the hay which it yields, should be considered. Perhaps we and precisely the same remarks

self away in a crevice, or deep in the winter. Because the fowls run at rest during the summer if they are etc., with no injurious effects to the and restless, and poor sitters, but work it does, and if it has to fly a long As foaling approaches brood mares produce many eggs. Among these way for water, it cannot for its life should be turned into a loose box. the Leghorns, Hamburgs and Hou- bring the honey to its owner, it could The extra exercise is beneficial and where ver they go board and lodging Where fowls have been kept for a the shade of some tree, till September Every resident of village, suburb, dans stand high, and the Polish should if the water was handy. Wet sand is they rest more at ease. Their work will be found. Active as its habits number of years, year after year in and water sparingly. In the begin- or country throughout the land who also be classed with them. If one the best for bees to suck water from, should be lightened. The most gentle treatment should be exercised ; the temper of the colt often depends

the attention of our dairy men. them.