Farm and Garden

HAIRY VETCH.

This Crop is Particularly Valuable in the North. Two vetches in particular are cultivated in the United States, the common vetch, or tares, and the hairy, or Russian, vetch. The former is much used as a winter crop for hay on the used as a winter crop for hay on the Pacific const and in the southern states, being commonly sown with oats, rye or wheat. It is also extensively grown in the citrus orchards of California as a winter green manure crop. In the northern states it is very likely to winter kill.

Hairy vetch is in a general way like common vetch, but decidedly more re-



HALRY VETCH

sistant to cold. It will ordinarily survive the winter in most parts of the United States and in Canada. In fact, it is more resistant to cold than any other annual legume grown. On this account it is particularly valuable in the north, according to the bureau of plant industry. In the Connecticut valley it has received much favor as walley it has received much favor as a winter green manure and cover crop on tobacco lands. Where the winter temperature is not cool enough to prevent growing, as in California, it has been found that hairy vetch grows much more slowly in cool weather than the common vetch, and the latter is therefore preferred. Hairy vetch, however, grows very rapidly as the weather becomes warm.

Vetches are somewhat objectionable where small grains are used in rotation, as they become somewhat weedy

tion, as they become somewhat weedy in grainfields. Except for this, vetches are a very valuable crop and deserve much more extensive cultivation.

much more extensive cultivation.

As a rule, hairy weth can be safely sown from the 15th of August to the 15th of September, says an authority on this subject. When grown as a cover crop it should be sewn alone.

What Overripe Hay Lacks. What Overripe Hay Lacks.
The trouble with overripe or damaged hay is lack of palatability and,
worse than this, indigestibility, remarks a writer in New England Homestead. It bears the same relation to good hay that a skim cheese does to a good hay that a skim cheese does to a full cream cheese. You cat the former and never want to see its kind again. Chemical analysis does not discover the trouble, but the stomach does. The city feeder is a much better judge of quality in hay than the farmer, be-cause he looks for results. There has been less improvement along this than any other line of farm work. It should be a question of how good as well as be a question of how good as well as how much. It is easy to cause a depre-ciation of 25 or even 50 per cent in feeding value. The worst feature is the guilty party does not appear to no-tice the difference.

Sweet Corn. In some Canadian tests the three varieties of sweet corn, Ringleader, Mammoth White Cory and Golden Bantam, required eighty-foor, eighty-seven and eighty-eight days respectively to mature for table use, according to New England Homestead. In comparative value Ringlender stands first, but in table quality Golden Bantam

Handy Pen Gate.

The accompanying sketch shows a sheep gate in use on several sheep stations, for woolshed pens and outside



pen gates. It works on a stout bolt at the foot of one of the uprights and runs be-tween the post and an upright a fastened

RHEEP PEN GATE, shown, On the gate as it shuts drops in a similar groove. This is said to work more easily than the guillotine gate and is less liable to get out of order. The gate as shown is half open. When fully open it is thrown quite back. and to close the gate it is thrown forward till it falls into its place in the opposite groove.—Leader.

For Dwarf Pears.

For dwarf pours I would not advise any one to let the trees stand in sod, says T. G. in Farm and Fireside. unprofitable crops right along. The ordinary run of standard winter pears are not so particular, and we have usually grown very good crops on trees even in sod.

THE SILO.

It May Be Constructed at the Least Cost In the South

Cost in the South.

If you have no silo, now is the proper time to begin the building of one. It is the cheapest barn a farmer can build and will give a better return on the money invested in it than any other outlay on a farm where cattle are kept in excess of five or six head. The cost of a silo is less in the south per tou of capacity than anywhere cise, because here there is no used to so build it as to exclude frost.

Tub or Tank.

A simple tub silo made of inch boards will keep silage in the south quite as effectually as a concrete or frame silo will farther merth. All that is needed is to make a practically airtight tub or tank. The great thing to be particular about is to get all the depth possible consistent with convenient handling of the silage, as the deeper the silo the better the silage will pack and the closer it packs the better the silage.

The Estimated Size.

The Estimated Size.

The following table will enable any one to calculate the size of silo he will need for his crop and stock.

Estimated size of silo needed and number of acres required for a given number of cows for a feeding season

W4 40	U days: Estimated consumption	Size of	Average
No.	of silage	zilo needed.	corn
6	tona.	dinm, ht. 9x30	needed.
9	50	16x22	2 to 2
n	74	11x25 13x29	5 to 6
25	50	14x30	6 to 7
		-Southern	Planter.

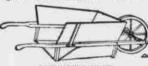
LOW DOWN BARROW.

Its Capacity Is Double That of the

Its Capacity is Double That of the Ordinary Kind.

The drawing shows a low down barrow in sufficient detail to enable any one to make a similar one. We think that next to the low down cart it is the bandlest thing around the buildings and garden that we have, easy a writer in Farm and Fiveside. Its enwriter in Farm and Fireside. Its en-pacity is more than double that of the ordinary kind, and the load is much more easily put aboard. It has the, advantage of getting into close quar-ters where the cart would not go, and for use about the feeding alleys, the stable, the lawn and the garden there is hardly anything that will take its

For the framework get two pieces of hard wood 2 by 2 inches which will project to form handles on one end and for the wheel frame on the other. and for the wheel frame on the other. At front end of box in rear of wheel a piece of the same dimensions is mor tised into the frame to hold it rigidly and to make the front end of box frame. Pieces 1½ by 1½ inches are also mortised into the bottom of the legs, both front and back. These form



LOW DOWN BARROW.

the foundation for the floor, which should be of three-quarter inch boards. The legs are mortised into the shaft or handle pieces, the front ones resting about three inches from the ground and the rear ones securely kneed as and the rear ones securely braced, as

and the rear ones seenrely braced, as shown in the cut.

If desired the sides may be built from the floor solid and straight up, but we find it better to have a permanent bed from floor to top of handles, with removable side boards to allp on for use in handling bulky stuff. Heavy material, such as bags of fertilizer, hirge stones, etc., are easily handled with this type of barrow, as they may be loaded between the handles directly from the ground.

Checks Upon the Bollworm Checks Upon the Bollworm.
One of the most important checks upon bollworm increase is the cannibalistic habit of the larvae themselves.
After the larvae have attained considerable size they are ever ready to engage in battle with their fellows whenever they chance to meet. When two larvae are of unequal size the smaller is usually killed and devoured by its fellow, but if their size is about smaller is usually killed and devoured by its fellow, but if their size is about the same both larvae often die as a re-suit of injuries inflicted upon each oth-er. This factor is of greatest impor-tance in corn, for if all of the larvae hatching in the silks of an ear should attain full growth nearly every ear would be completely destroyed. The reduction in beliworm numbers in ears of corn, due mainly to this cause, is of coru, due mainly to this cause, is of cora, due mainly to this cause, is illustrated by the following figures: During August, 1905, ten ears of corn were examined just after the silks be-gan dying, and 198 larvae in all stages of development were found. This gives an average of twenty larvae per ear, most of which were small, or about ten times the number which would ultimately reach maturity. Cannibalism is a less important factor among larvae on cotton, as in that case the larvae are more generally distributed over the plants and therefore meet less fre-quently.—F. C. Bishop.

Forage Crops

Sow forage crops at every oppor-tunity during July and up to the mid-dle of August, advises the Southern Planter. These can be made to take the place of hay in feeding the stock on the farm, and the hay can be made a sale crop. It has sold for high prices all the past winter, and we are of opin-ion that it will sell well next winter.

Bermuda Grass

When well set on good land Bermuda grass has maintained a mature cattle beast to each acre and produced more than 200 pounds of beef during six months of grazing, says an exchange. Sheep can graze upon it from seven to nine months in the year according to locality.



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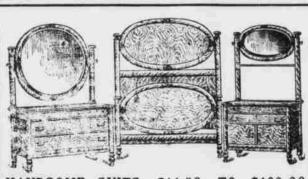
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