START TRAINING BULL EARLY Inserting Nose Ring is Simple and Short Operation—Composition Metal Does Not Rust. A bull's training must be starte A bull's training must be started early. A light weight ring should be inserted in his nose when he is from nine to twelve months old, but under no circumstances should he be led by the ring until three or four months after so that the nose can heal up well.

amined and all rough edges carefully filed down so there is nothing to irri-tate the nose and keep it raw and bleeding.

PROPER TOOLS FOR DAIRYING Manure Spreader 1s One of Most Profitable Implements—Silo Is Regarded as Essential.

Discourages Desire to Suck One Another's Ears—Wooden Device Is Entirely Satisfactory.

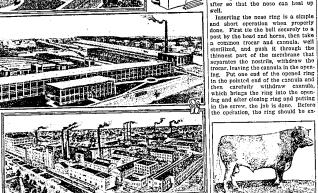


FIRST ARTICLE

FIRST ARTICLE

IF ton "Michigan—the Land of Plenty.")

No state in the Union offers greater than Michigan. The history of the growth of the manufacturins districted than the state of the state of the state of the than the state of the state at present, both by rail and by water, are excellent. With over nine thousand miles of railroad. Michigan is sixth state in the Union in its length of trackage. The state borders on for fitted and the state of the st



Manufactures.
Five leading industries of Michigan as measured by value of products—1909:

and balsam	fir v	vere	also	repo	orted.
Manle was hi	r far	the	most	impo	rtant
of the hard v	roods	, wi	1110 110	een,	Dass.

1303:	12				
Industries.	Value of products.	for all ind	ustrial e. te earners average	Value of	ndustry States earner averas
Automobiles, including bodies parts Lumber and timber Foundry and machine shop. Flour mill and grist mill. Furniture and refrigerators	81,51,53 45,376,625 31,550,891	14.1 9.0 5.6 5.1 4.2	11.0 15.4 9.4 9.7 7.2	35.5 5.3 3.7 3.9 11.9	33 5 4 3 12

of the great lakes, which furnish spiler dirt in an automobiles in the state is most cortunately located the state is most cortunately located in the state is most cortunately located in the season of the country. It should be necessed that Michigan is located but a short of distage from the center of population of the country. Located has been carried to the country. Located has been carried to the country. Located has been carried to the country of the country of the country. Located has been carried to the country of the country of the country of the country. Located has been carried to the country of the count

Profitable Implements—Silo is Regarded as Essential.

It is impossible to give a specific answer to the question as to what tools a dairyman should possess. Much depends upon a man's pocketbook and the possibility of his changing work with neighbors to get the use of their tools, and upon labor conditional special profits of the procession of the most profitable tools, and the most profitable to the profits of the profits



Field of Heavy Clover Sod Plow43 Under and Well Pulverized Makes
Good Location.

der and Well Pulverlæd Makes Good Location.

For a site select a high and dry spot on light or sandy soil if there be any on the farm. Ordinarily I do not betieve 25 to 30 cherry trees are too many for an 80-acro farm, says a writer in an exchange. To prepare for planting plow very deep, turning under a good coat of partily rotted man mure. This would better be done in the same of the sa

# DOUBLE-DECK BERRY TRELLIS

Device Shown in Illustration Har Found Favor in Blackberry Sec-tions—How It is Made.

The sketch shows a trellis which The sketch shows a treats which has found favor in blackberry sections. It consists of two parallel rows of 2 by 4 posts set 6 feet apart in the row, and 18 inches from each other cross-



## Double-Decker Berry Trellis.

tate the nose and keep it raw and bleeding. When the animal is about two to two and one-half years old, the light ring should be removed and a good heavy ring inserted, from rings should not be used as they rust and keep the built's nose raw and sore. The best are made of brass or bronze composition metal and do not rust. In tying up the bull by the nose, no should be careful to avoid fright-caing him, causing him to jump back and sitt the ring out of his nose. It is safest to pass the tie chain through his horns and when he jerks back most the strength of the strain comes on the borns and not at the nose. Doubte-Decker Berry Treills.

wise. These posts are 4 feet high, and
on the tops of them run heavy-gauge
wires fastered with staples, writes hate
of I. Whore his Farm and Freshe.
Two other his Farm and Freshe.
Two other placed on the posts one
doct from the ground. A number of
note head beards made on the order of
note hed boards made on the order of
a swing board are placed between the
wires, top and bottom about four feet
apart. These boards act as support to the vines, which are trained
to run along the trellis thus formed.
The new shoots (next year's bearing
wines) as they grow are trained along
the under set of boards.
At the end of the season when the

the under set of boards. At the end of the season when the old runners are cut away the small boards are easily moved, the new vines litted to their position of prominence on the top, and the lower boards are again free for the next year's growth.

This method is used a great deal in

growth.

This method is used a great deal in California, for loganberries, and the Himalaya blackberry, which sends out such long runners. It is a comfortable height for ricking, and a whole fled may be planted in this way with parallel sets of trellises.

UTILIZE THE WASTE PLACES

Idle Spots on Many Farms Could Be Planted With Trees—Bees Would Furnish Honey.

On many farms there are waste conners here and there that could well be set to trees that would in the course of few years he a source from which to get an occasional bean pole, fence post or other sitch, and finally if nutbearing the set of the sitch and finally if nutbearing the set of the sitch and sinally has seen to the sitch and finally if has seen to the sitch and sinally set trees were planted, a fine lot of or other stick, and finally, if nut-bear-ing trees were planted, a fine lot of nuts would be produced, the basswood by the industry of the beas would furnish the table with the very nicest bit honey; or if, in the case of the sugar maple, sugar of which there is none to equal it could be made; and during all this time the trees would be growing into valuable wood or timber. FEED CALVES IN STANCHIONS

# TO RENEW STRAWBERRY BEDS

Where Plants Are Vigorous and Bed Not Too Weedy It Sometimes Pays to Renovate It.

Entirely Satisfactory.

There are several good reasons for cedlage caives in stanchions. The caives and be fed their milk, then their grain, and after they have eator the grain they will lose their desire such can another's ears. A lose that the same that the same and the same



The Kind of Stuff. t sensational novel of his like hot cakes." "It's a burning shame!"—Judge.

Wash day is smile day if you use Rec Cross Ball Blue, American made, therefor the best made. Adv.

Giving Them Away.
Neighbor's Little Girl-When did
you get back, Mrs. SprugginsMrs. Spruggins-Why. child. I
haven't been away.
Neighbor's little Girl-That's funny. I heard mother say you and Mr.
Spruggins had been at Loggerheads
for a week.

On the Contrary.
"Employed in the steel works, are you? Don't you find your job fearfully hot in the summertime?"
"Ob, no, you see I work in the chilled steel department."





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