FARM AND GARDEN

A CONVENIENT AND SAFE DEVICE FOR HOLDING A BULL. On Exposite and Sunstitue for Bees. Live Stock Statistics-The Market Gardener's Radish-All About Hotbeds, TART 40.8

w some of their plants under glass, in this manner keep apace with the rular marks, gardener. The con-motion and misogeness of hotbods is a mpressively simple matter after one has a some practical experience. In this di-tion. Manure beds are the sort often-

ferred manure.

There are two methods in use now by gardeners in forming the manure itself, some digging a pit and sinking the manure into it, and others building the manure printo a square bed and setting the frame on it. The first method requires the most labor and the second the most manure decide the matter. The first plan is the one most generally employed, and the one most generally employed, and herefore is familiar, having been often explained. The out here given shows a perspective view of a bed constructed on the manure without a pit, and described by Issue F. Jillinghast, of La Plume, Pa., in his "Plant Manual," along with other instructive matter of general and wide-syread-interest.



Mr. Tillinghast virgous arerisiv iliW Tillinghast advises that the spot position. After leveling the manure there ought to be three or four narrow boards laid across it on which to rest the hobbet traine, so that after the manure heats all will settle together evenly. Otherwise the weight of the frame and sash will force down into the manure, and the center of the bed will appear to raise and displace the plants.

When ready to begin operations the manure ought to be forked over, shaken out finely and thrown into a high center and swir in horse the dampened throughout the heap.

The State of the case of the c heap to heat, if dry is should be watered, intil well dampened throughout the heap. If allowed to stand in this heap about one week it will heat and begin to smoke like a small volcano. A vital point to be observed in making a hot bed is to spread the manuse down while hot; it then continues to heat, but if spread down 'cold it will heat slowly and 'mevenly. Early in the spring, when considerable cold weather is still anticipated, it is advised to use a common wagon box full of manuse and sash, but later in the season, when to use a common wagon box full of manure to each sash, but later in the season, when forming beds in which to transplant seedlings, one-half that quantity will suffice. The soil used should be prepared in advance; it must be light, loose and rich. This soil should be placed on the manure condents of from four toxis, inches, and

This soil should be placed on the manure to a depth of from four to six inches and the classes properly adjusted. The most common sashes are 3 by 6 feet. The frame, therefore, should be made 6 feet frame, therefore, should be made if feet wide and as long as is necessary to accommodate the number of sashes to be used.

After the soil becomes warm sow the seed in rows about four inches apart and scatter them quite thickly in the rows.

Mr. Tillinghas advises against sowing broadcast, as the labor of keeping free from weeds is greater. When the seed from weeds is greater. lants into rows 8 by 6 inches, and as soon these require more space he transplants ain. In transplanting tomato plants it ought to be kept as near 65 degs. as pos-sible for tomatoes, peppers, etc. Cabbage and caulifiower require less heat and

A Good Radish for Market Gardeners. phia white "box" radish, which is illustrated and described by James Vick in his Guide for 1888, and shown in the accomparities out. The points of superiority claimed for it are, a short top, rapid growth, perfect turnip shape, extra fine quality and showing no disposition to



PHILADELPHIA BOX BADISH. THILDELETIA BOX RADISH.

Vick has found it especially adapted for growing in boxes or frames, hence its name, as well as early sowing on squares or borders in the open ground. Owing to its thick short leaves, it can be sown very thickly in the row without causing the leaves to "draw." It has been estimated that fully one-half more radishes can be grown in the same space of this sort than most other varieties, hence its value to those en asged, in forcing early vegetables arrown in the same space of this sort than incost other varieties, hence its value to those engaged in forcing early vegetables past year has been greater than in any

Readers interested in the production of silk occoons will be furnished with desired information on the subject on application to Commissioner Colman, department of agriculture, Washington, Silk worms' eggs will also be furnished, free of charge, to those who are in earnest about the matter, provided they apply before the supply on hand has all been distributed.

Here and There.

Already Augusts, Ga. is taking active steps for a grand expectation next year—a sort of centennial situal.

The low Register believes there will be an entire revolution in the matters of silos and in three-sling corn and fodder.

Arkansas and Texas claim that the immigration into those states during the past year has been greater than in any previous season.

A special meeting has been called, to be held at Denver, Colo, March 27, to consider the future of the ranching industry by the International Range Cattle association.

The cotton manufacturing interests of the south are increasing rapidly.

When the report, that of the thirty different state of the size of basing powders and state of the size of the s Cabbage, Irish and sweet potatoes do best on a coarse, sandy loam, the latter, however, attaining size at the expense of quality. Watermelons, cantaleups and sweet potatoes grown for fine quality fourish best on a leam of about 60 per cent. of very fine sand and 40 per cent. of the south are increasing rapidly. Plant cantaleups early, five feet apart

Plant cantaleups early, five feet apart cach way. Make the first planting on one side of the hill; a week later plant the other side, and when well up thin to three of the best plants in the hill. For witermelous furrow eight feet apart each wity, and proceed in all respects as above and califyrate until the tynes meet. Sited coal ashes gives the best satisfaction in preventing the attacks of the melon bug.

In arranging dates for planting veretacoal asties gives the best satisfaction in preventing the attacks of the melon big. In arranging dates for planting vegetables for a succession, it should be noted as the season advances and becomes warmer that pess, and in fact all kinds of vegetables, grow faster and overtake one another. The date for planting the different sorts does not lead to corresponding intervals in gathering the crops. For instance, though five days' difference in date of planting hear in April will make about as many days' difference in the time of harvesting in June, yet five days difference in planting in May will make hardly any visible difference in ripening in July.

Sunshine for Bees.

Numbered with other queries of general interest sent out among leading apparians all over the country, by the editor of The American Bee Journal, was the following:

"In wintering bees outdoors, would it be better to have the apiary on the south side of a hill facing south, where the hives get planty of sunshing; or on the north side of a hill facing south, where the hives get planty of sunshing; or on the north side of a hill facing morth, and no year.

The total number of Baptists of all classes in 3,727,037.

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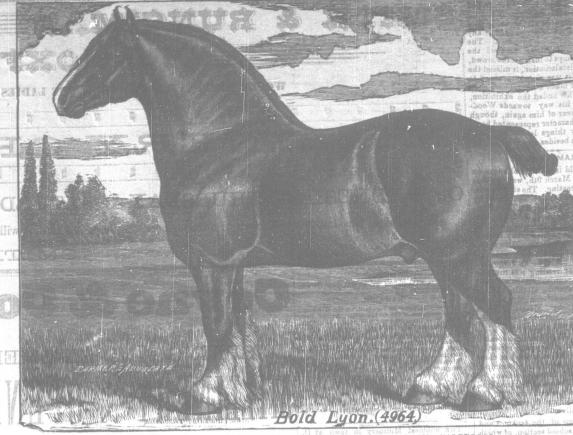
The total number of Baptists of all classes in 3,727,037.

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The total number of Bapt

whenever a child has taken cold, has a cough or hoaraceases, give the Syrup according to the better to Myev the apinary on the south soiled of a hill miner, south, where the high soiled of a hill miner, south, where the high where the high soiled of a hill miner, south assumed the south soiled of a hill facing north, and to Similar and the south soiled of the hill in a warmalimate, and on the south after in a coal collamous in the facing in the hill in a warmalimate, and on the south after in a coal collamous in the facing widely from each other and any again on four size for the treat and my again or south sates of the results. The total number of the hort hill in a warmalimate, and on the south soile of the hill in the south some parties that it have and my again or one site first the part of the soil of the south some parties and my again and on the south after a south-assume of the hill in the south some parties the following advice: "In the worthern last one of the results." The total number of December of the hill in the south some parties with the first worth of the results. The total number of the hill in the south some parties with the south some parties with the limit of the south some parties with the l get plenty of sunshine; or on the north side of a hill facing north, and no sunshine; as some have cortended?"

In the twenty-one suplies received all, excepting one, incored the southern slope and the sunshine "d. P. H. Brown said: "I prefer the spiary on the north side of a hill in a warm climate, and on the south."



CLYDESDALE STALLION, THE PROPERTY OF MR. M. T. BUCHANAN, INGERSOLL.

"Bold Lyon," owned by Mr. M. T.
Buchann, of Ingeredl, is a beautiful bay, with white legs; has good action and first, it is how at Kelso, in 1872. He was the premium of fato in 1862 in 1879, and gave the Sediety is obtained by the Sediet

"OFFICIAL IMPARTIALITY." duum the better the baking powder. These | Have you a cough? Sleepless nightseneed agriculture shows an increase in horses, males and cattle, with a decrease in sheep and swine. The largest rate of increase is a percentages, as found in some of the most on longer trouble you. Ayer's Cherry People and swine. The largest rate of increase is neep and swine. The largest rate of increase is reported by the largest rate of increase is nearly property. The percent of the most on and induce rappes. It will not be supported by the cough, allay the inflame powders, are given as follows:

The DISPUTED OHIO BARING POWDEE and swine of the most on and induce rappes. It will not be supported by the cough, allay the inflame making powder. These caught is a property of the percentage in some of the most on and induce rappes. It will not be supported by the cough, allay the inflame making powder. These captures are considered by the cough, allay the inflame making powder. These captures are considered by the cough, allay the inflame making powder. The capture is not captured by the cough, allay the inflament of the cough, allay the inflament of the capture is not captured by the cough, allay the inflament of the capture is not captured by the capture is not captured by the capture is not captured by the captur

A Speech in Brief.

President Rockafeller, of the Standard Oil company, seldom, makes a public speech and is, in fact, averse to such a thing. He prefers brevity and cleaves to business. And yet Mr. Rockafeller might condense a speech into compact form thus: "Tim monarch of oil I survey."—Pittsburg Büllebin.

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ouring Congles, Colds and Lords of Noice.
Telegred my brothen completely. See against the property of the prop Soothes and Heals the inflamed membrane, arrests the wasting process, and leaves no injurious results. This is why it is more highly estenced than any other pulmonary specific. L. D. Bixby, of Bartonsville, Vt., arreas branch ament lagers

If you are threstened with PRadwell writes: Four years ago, took a ser-were cold, which was followed by a terrible cough, however cory, sick, and ours at once a postic of District Blood Bitters and use it according to instructions efforming within in medicinary in bother of that ignorestantly analytic cured before as becomes confined to my bed about four months. My physician finally said I was in con-sumption, and that he could not help me. One of my neighbors advised me to try Ayer's Cherry Pectoral. I did so, and before I had taken half a bottle was able to go out. By the time I had finished the bottle I was well, and have

The Medicine for Liver and Kidney Com-plaint - Mr. Victor Augus Citawa, with: I take great pleasure in the pulling to the general public Farm-ties Pilla as a care for Liver and Kidney Complaint. I have doctored for the last three read with find physicisms, and have taken made acceleres relief, but after taking eight of Parmelee's

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Uncle Rastus—I specks I'se too fond o'
chicken, sah.—The Epoch.

Scarcity of Burnio Robes.

In the year 1875 60,000 burnio robes were shipped from Benton, M. T. their value being \$300,000. This year only a dozen on so were procurable there, the burnio having become almost extinct.

Chicago News.

Dr. Stephen Mackenzie, iecturer on medicine at the London hospital, zecommended half grain doses of Indian hemp, morning and evening, as a remedy for persistent headache.—Chicago Times.

Children Cry for Pitcher's Castoria.