THE MILLER MANUAL LABOR SCHOOL OF ALBE-MARLE, VA.

Ohio R.R., after passing through a rather desolate engineering, agriculture, and horticulture also come country, begins to note signs of improvement in the within the curriculum. The agricultural department, scenery. Gradually the pine trees grow fewer, and it is hoped, will soon be as well equipped as the me- grain being cut with a "dropper" or a self-raking reaper; soon a lovely country appears. Monticello, on the chanical one. right hand, its eminence crowned by the home of Jef-| The steam laundry, a building in which some of the sees grain being cut with a cradle. I do not think that ferson, is passed. A few miles more, and Charlottes features of the Old Dominion architecture can be one Nebraskan in a thousand would cut grain with a ville, the county seat of Albemarle County, appears. | traced, is also shown among the illustrations. The cradle; he would lose the grain first. Nothing short A mile beyond it is the University of Virginia, of chapel is seen in the center of the page, a plain yet of a self-binder will answer; and then we put on five which Jefferson and Madison in their day were rectors. impressive room. Here services by clergymen of dif- horses, and cut and bind twenty acres a day. Six On this railroad, and in Albemarle County, is situated Crozet, five and a half miles from which is the Miller changing from Sunday to Sunday. Music and congre-in the dark or on Sunday either. True, I used ten Manual Labor School.

marle County, Va. He was born June 30, 1792. He received a common school education. After a few in the parlor, in which pupils and officers of the school We don't cover corn with a hoe. We plant from years passed in teaching, he engaged in mercantile with their families participate. These give a home at- twenty to thirty acres a day with a self dropping twobusiness in Lynchburg, Va., and was so successful that 'mosphere to the place, and tend to create a feeling of horse planter. We raise the hay on the wagon with in the course of a long life he accumulated a consider- friendship between teacher and pupil. able fortune. His charities and gifts during his life were very great. He was a benefactor of the Lynchburg rated from the male division. Manual training is a Orphan Asylum and the University of Virginia. To part of the course in it also. the latter institution he donated \$100,000. But his greatest bequest was devoted to the establishment of dowment, one of the largest in the United States, has a school for poor children of his native county.

inginitalarge legacy to be 'devoted to this end. On 'pupils in the girls' department, still limited in numbers, their pocket when they have finished looking at it. March 27, 1867, he died, and was buried in the grounds, some two hundred students are in attendance. of the Lynchburg Orphan Asylum, where a monument was erected to the memory of the asylum's friend. seem almost a subject of regret. Albemarle County has down tile liberally. Now the craze has struck Illinois, Years of lawsuits were devoted to contesting the will, but at last a settlement was reached.

approved February 24, 1874, establishing the school, and to be the basis for one of the great schools of the world Mr. N. M. Page, of Batesville, who had been sole ex- are confined to this small region. ecutor of the will, then turned over to the Board of Education of Virginia more than one million of dollars leader in the educational field. In view of this great to be applied to the school.

Our illustrations show some of the school buildings and interiors, and give an idea of the size and extent of the institution. A main building, that can accommodate 100 students, was first erected, at a cost of \$100.-000. To this two wings were successively added, increasing the cost by \$50,000. Other buildings were gradually erected around this nucleus, additional land was purchased, and machinery bought, until to day In the West, and even in Illinois, we give everything Albemarle County possesses one of the great technical an abundance of space in which to grow. We often schools of the United States, and one in which the have, for example, the space of a rod between the crop modern feature of manual training holds a most prom- and the fence. If the crop wants to spread itself, we inent place. The buildings stand in the midst of an propose to gratify it without straining the fence. The estate of nearly one thousand acres, held in fee simple by the trustees.

cation, literary and manual, to orphans and destitute ings or against the fences. Many more ornamental limited scope the trust fund, amounting to \$1,276,-438.49 in bonds and securities, is devoted. The studifferent school districts of the county. The course of studies includes a primary, an intermediate, and an academic division, covering seven years. All the ordinary branches are taught to the students, including ways of a politician-to suit some slight conformation Hereford, or Short-Horn, or Polled-Angus bulls by the languages and science. But the manual training is the distinguishing feature.

school, has to work for three years in the shops, unless, geometry demonstrates that "a straight line is the many in the central part, and nearly all in the West, a satisfactory equivalent can be established. At the shortest distance between two points." It would econo- are paying for their land yet, and good barns and staage of 15 their work begins, if their advancement in mize both fence and land to make the fences straight; general studies is sufficient. The first year is devoted and the fields would be easier of cultivation. Cross to wood work. Carpentry, turning and carving, the fences, at least, could be straightened. Where the who get on the trains, convinces me that raising scrubs preparation of wood by seasoning, gluing, veneering, boundaries of farms are crooked lines, why not cut off can be set down against the East rather than against the care of woodworking machinery, and the prepara- a rod here and a rod there, and make the boundary line the middle section, or even the West. tion of wood filling, all come in this department. The straight? For that matter, while we are speaking of first branches of woodworking fill the first year's time economy in fencing, why not have no fences, as in the learn much of the Easterner, and the Easterner can in the shop. The final work in wood is done later. West? The old common law was right; a man should learn just as much of the Westerner. The Westerner One of the illustrations, from a photograph of the inte- fence his own stock in, and not all the world's out; will be impressed that the *forte* of the Easterner is to rior of this shop, shows well how complete is the equip- and if this should now prevail, one-fifth of the fenc- save; the Easterner will think that the forte of the ment of the department.

In the second year, iron work and technical drawing all be inconvenienced, either. Shall I offend the pride of my Eastern readers if I1 would be richer. If the Westerner goes East expecting are taught. Two views are given of the iron shop. The excellent character of the machines is well shown say that Illinois has better farm dwellings than New to find every farmer highly intelligent, as I did, he will in them. The instruction proceeds from chipping and York or Pennsylvania? It is true. Compare the best befooled. If the Easterner goes West expecting to find filing up through screw machine work, drilling, speed parts of the States, and we can beat you on houses. every person ignorant, he will be worse fooled. No lathe and engine lathe work, to planing and black- But you Easterners beat us on barns; and you beat us State in the Union can show more college graduates to further than we beat you on houses. In barns and all the square inch than Kansas. There is more planting smithing. Sensibly enough, blacksmithing is named last, as it outbuildings, you are far ahead of Illinois-of course, in the moon in the East than in the West, and more yields to few mechanical operations in the element of further ahead of Nebraska or Kansas. I like to look at coins put away in socks; but in the West we are apt manual skill applicable to it. This course runs'into the barns in the best part of New York or Pennsyl- to spread our planting over eighty acres of earth when and is prolonged into the third year. The making and vania, they are so large and substantial and neat. I it should be only forty, and to buy land when we have tempering of all the tools is included. Steam practice, believe the barns are neater and better kept than the nothing in our socks but holes. JOHN M. STAHL. brass work, finishing work in wood, and technical dwellings. Not long since I visited an Illinois farmer Quincy, Ill. who had his own waterworks and gasworks, having drawing are also included in the third year. IN Rochester, N. Y., on the 20th of November, 750 Steam is supplied by four forty horse power boilers. water and gas in all parts of his large and very hand-The boiler house adjoins the work shop. There the some four-story brick and stone dwelling. His barns out of the 950 customers of the Bell telephone declined practice in steam working is acquired. The two buildwere large; but they were of boards, had never known to use the instruments any longer, on account of the paint, and there was litter and manure about them, I ings are shown in the cut. A 25 horse power Corliss exorbitant charges; and they are now casting about engine, built by Harris, shown also among our illustracould not help but contrast them with the neat Eastern for instruments that be supplied at cheaper rates. tions, is used to drive the machinery. An Edison 400 barns, in which I could see the cattle eating. Think Here is a good opening for the House telephone, in of us, or a Nebraskan or a Kansan, putting cattle in which is found the "undulatory current" of the Bell light electric plant supplies light for the buildings. Besides the branches described, others are included. a stable in summer! It would pay a Western farmer system. The original patent of House has expired, and Printing and telegraphy are taught as practically as for the trip to go East and study only barns and sta- is free to the public.

are the other branches. The catalogue of the school is | bles. He would then realize how much feed he wastes, printed by the students, and is a most creditable spe-The traveler journeying west on the Chesapeake and cimen of typography. Surveying, electrical and civil much manure he might get on his land.

ferent denominations are delivered, the denomination 'years ago I cut 147 acres in one week, and didn't work gational singing are elements. A library opened daily horses, two sets of five, but that was because the It was founded by Samuel Miller, a native of Albe-; for the drawing out of books is also provided.

Every second week, evening entertainments are held fast, and several times did it anyhow.

Recently a girls' school has been started, but is sepa-

The growth of this school, with its extraordinary enbeen rapid. It started with thirty-three students on On the 1st day of April, 1859, he signed his will, leav- the roll in the term of 1878-79. Now, in addition to the it for some improvement, and likely put it back in

The restrictions as to the appointing of students not a single large city in it; its entire population (32,618, census of 1880) is about half that of New An act was passed by the Virginia Legislature, and Haven. Yet the benefits of an endowment large enough

> By it Virginia is awarded the distinction of being a named Virginia's greatest benefactor.

What a Western Farmer Saw in the East.

A Western farmer, who lately took a trip East, writes as follows to the Country Genileman:

The first thing to impress me when going from the West to the East is the economy of land in the East. great fertility of our Western land may make this necessary, you know. Our orchard trees are planted wide The object of the school is to afford a thorough edu- apart. East they seem to be crowded against the buildeconomy of land.

> In one way, however, the Eastern farmers are wasteof the ground, to avoid passing over a small brook, or what in some cases appeared to me could be only a de-

how much he loses by exposing his animals, and how

In the West much more farm machinery is used than in the East. It causes a Westerner to laugh to see small and he cannot refrain from laughing heartily when he ground was so soft I would mire down if I didn't drive

horse power (but pile the hay out of doors, sad to say); ride when we plow or harrow, or plant or sow, or reap or bind; and thrash by steam. In great part this is because of our smooth, level land, free from stones and stumps-but in part because we are more enterprising. (Fact.) The Eastern farmers are more wedded to old ways. They look at a dollar longer before they spend Take the matter of tile draining, for illustration. When Ohio farmers found that it paid to tile-drain, they put and Illinois farmers are planting tile as they would corn.

We have found it cheaper to make the wind pump our water than to do it ourselves; and the wind is doing a big lot of work of that sort. Get across the Missouri River, and a well without a wind pump above it is a curiosity. The wind kicks over the traces somebequest, added to his other gifts, Samuel Miller is justly times, and distributes houses and cattle around in a very annoying manner; but generally it works well and boards itself. My Eastern readers may claim all the credit for Western enterprise by saying that Westerners are emigrants, or descendants of emigrants, from the East. This is about true. The man that pulls up stakes in the East and goes out to Kansas or Nebraska must have considerable enterprise and go-aheaditiveness. And this does more than crop out in his new home-it expands.

I find that a great many Eastern people fancy that we raise mostly scrub cattle in the West. A trip West would change their notion. One of the surprises to me when I made my Eastern trip was that the cattle in New York were no better than the cattle in Illinois. I expected to find them better. Taken as a whole, New York has better dairy cattle than we, though Illinois children of Albemarle County. To this seemingly, trees have been planted in Illinois than in New York. has as good dairy cattle as any. In beef cattle we are Is this because land is so valuable in New York, or be-ahead of the East-further ahead than they are of us cause our bare prairies make us love trees the more? in dary cattle. In the West the cattle are not quite so dents are selected by the district school trustees of the But we might well learn of our Eastern brethren in the good as in this middle territory; but there the scarcity

of cattle is more apparent than the poor quality. And this is true of all stock. Even the ranchmen are now ful of land : they make the fences as crooked as the using full-blood males, some ranch owners buying hundred. You care for your farm animals far better East than the Westerners do-better than we do. This Every student, before receiving the diploma of the sire to make the fence as crooked as possible. Now, is not because of our ignorance or cruelty, but because bles will come as soon as we can get to them. But observation, and especially conversation with those farmers

> We farmers should travel more. The Westerner can ing we now have would answer, and we would not at Westerner is to make. If the enterprise of the one could be combined with the economy of the other, both