ALBEGE STAIR

THOS, J. LEMAY, Editor and Proprietor.]

"Borth Carolina-Powerful in intellectual, moral and physical resources -the land of our sires and the home of our affections."

THREE DOLLARS a Year, in Advance

MALEIGH, N. C. WEDNESDAY, JULY 5, 1848 and off dards nothernon sides and be

(Continued from fourth page.)
and in manufacturing populations it would also create a greater traffic upon the railways, and enable them still further to reduce their rates; and as the heavier articles are more consumed by the working classes, it would add very much to their comfort; and there are great tracts of country which would be cultivated to much advantage, if favoured with railway communication, which are now allowed to lie comparatively barren.

Looking, therefore, to those results. onght not railroads receiving high profits to be obliged to extend branches laterally to districts which want of communication has left in comparative late much attention has been directed unproductiveness?-I think so; it has occurred to me upon this point, that it would be a great advantage if, by some public anthority, the country should be divided as regards railways, into sections, so that there might be systems of railways established for those different sections, according to their respective wants; a system so established would be enabled to provide branch railways into districts which could not of themselves afford to pay for a railway; they would be enabled to do that, because this branch, though it did not pay it itself, would pay as part of a general system; in consequence of the additional traffic that it would bring upon the

Referring again to the benefit to agriculture from the introduction of railveyance, can you give the committee any particulars of the advantage of the transport of the carcasses of animals, as out a railroad it is impossible to transport fat cattle any greater distance than from 50 to 70 miles, without very great deterioration; but railrouds will afford the means of transporting those cattle 300 or 4000 miles with great advantage, and in carcases they may be transport ed 700 miles; and in that way mean may be brought from the most distant parts to populous districts at a very small additional expense, which, with the expense for transporting either beef or mutton in the carease, does not a-mount to more than one-third or a penny for five hundred miles, so that you may have meat nearly as cheap in London as you have it in Inverness .-There is another great advantage arising from this easy and cheap mode of transit; which is, that the little country butchers, who purchase lots of cattle and sheep for the consumption of the town or village in which they may live, always find among those lots a few that are of too good a quality for the consumption of their particular district; and if they are enabled to send them to of the country, they not only supply those rich communities with the superior article that they want, but they can supply it at a cheaper rate; and again, this enables them to sell the medium and inferior animal at a lower rate to benefited, and the poor of the districts where the animals are killed are very much benefited.

Is there not a demand in large towns for picked joints?-There frequently is; and I know, from the inquiries I made in Yorkshire for the Direct North- of his experience. Professor Dick then ern Railway, that the butchers are contemplating, when that railroad communication shall be worked out, to send the public at present: the surplus of their better joints to tie London market, which will enable them to sell the inferior parts to the working classes at a lower price.

In short, quick conveyances enables hem to dispose of the whole animal in the best market?-Yes.

By the former mode of conveyance there was no possibility of carrying at Maybole, in Ayrshire, there has only killed meat any great distance?-It was uite impossible. There is sucther, real advantage in killing the animal in the country districts; the offal or inward parts of the animal are available to the working classes of the district, and there is an immense quantity available for manure, which when brought to those large towns is a nuisance, in

the country it is of great value. Have you anything to add in explan-ation upon the points upon which you have now been examined?—I have sevelosed. The disease consisted of aceral tables to give in illustrating the tive inflammation of the lungs, and in different points upon which I have been the pleura which covers them and lines examined. I have no doubt that rail- the chest. It was attended with great roads will do more for communicating danger, particularly when the pleurs intelligence amongst the general community than even the press has done, inasmuch as seeing a thing is much more than hearing of a thing, and there ed; because, when that membrane is will be much greater progress made in attacked by inflammation, being what the diffusion of improvement by railroads than by any otder means.

British Farmers' Magazine:

Wool Trade of the United States.

date, to become of first-rate importance. The present growth is much greater than we in this country have, general-ly, an idea of, being upwards of sixty millions of pounds weight at the lowest estimate, far exceeding their domestic requirements. It is important to notice the great weight of the fleece, which is nearly double that of any other country producing similar qualities; and when we consider the facilities for extending the production, there cannot be a doubt that, in a short time, the quantity available for export will be very considerable. Moreover, it appears that of to the subject in the Western States, with this view, as offering, to some extent, a more profitable return than the cultivation of cotton; and when it is stated that one pound of wool, nearly full blood, can be grown at the same cost as two pounds of cotton worth 6d .. there is every mason to expect that the trade will eventually prove remunerating. The receipts last year were below the previous one, the consequence of former shipments generally not having been attended with advantage; but this is accounted for, to some extent, by the indirect chapnels through which many of the lots came, and their inferior condition in most cases, Until they are got up with more care, better washed, and more evenly graded, we see little prospect of a profitable result. ways, and consequently of cheap con- The greater part hitherto received has been so deficient in these essential requisites that purchases have been attended with extreme kazard to the buyer, compared with the old system?-With- which has operated much against their sale. British Farmers' Magazine.

FINE HOGS.

Burlington county, in New Jersey, has long been famous for its pork: and the poor house there has of late years, been very successful in slaughtering large hogs. The Enquirer of this city remarks: The Burlington county poorhouse-said to be altogether the best managed county establishment in the State-has produced this season, mongst other things, 63 hogs, weighing 26,750 lbs. The heaviest weighed 556; the smallest 327. Two yearing hogs weighed over 400 each. The average weight was 424# lbs."

Farmers Cabinet.

THE MURRAIN AMONG CATTLE.

At the monthly meeting of the Highland and Agricultural Society of Scotnication from the Board of Trade, to ed in scaled bottles, from which the pump may be added, as to a leaky ship. the effect that the epizootic, which was air has been driven out partially by heat. Suppose, now, a cargo of grain, partly a great distance to a more wealthy part thought to be disappearing, had broken Meats, antiseptically treated, are also germinating, and containing rats, mice, out with greater violence than ever among the horned cattle of Wallachin, and that three-fourths of those which had been spared from last year's visitation were falling victims to it. The and inferior animal at a lower rate to Secretary said though the communica-the consumer in the country; so that tion just read had reference to the state both the rich population of towns are of the epidemic in a distant country, the directors conceived it to be their duty to submit to the public all information conveyed to them on so important a subject, in regard to which Professor Dick, who was present, had promised to give to the meeting the results rose and made the following statement

which we give as of great interest to Professor Dick stated that pleuropneumonia was still preveiling with great violence, and varied with the weather. It existed at present to a air is thus excluded. Egyptian mum-filled, whereas, in the existing mode, great extent in East Lothian, as well as mies have the air excluded by bandanot above one-fourth of the cubic continuation. There are various modes in tents can be rendered available. But which man and the lower animals were wheat, has been preserved by the effect and the grain threshed out and carried equally exposed; in illustration of tual exclusion of the air. In Spain, from the harvest field direct, with the which the Professor referred to the existing epidemic in the form of influenza, under which he himself was evidently

This article promises, at no distant epizoetic, have been less affected than is thus kept air and vermin proof.

eases; tney, at the same time, are not vital functions, unchanged by time. so much under the immediate observa In direct opposition to these princi-tion of their owners. Indeed, the early ples are the granaries of Great Britain symptoms very readily escape the no and other countries constructed. Their tice, because they are obscure. site is generally the bank of a river, or

To illustrate the treatment required, the sea side. They are built of many the Professor referred to a case in Lastage of the disease; but if the disease has made a certain progress, no reason-

London Farmers' Magazine.

PRESERVATION OF FOOD.

preserved from the air by enclosing in and weevils, to be shot into this resera bladder or gut, in the form of sausages. Salted meat in brine is preserved air-pump at work, the germination partly antiseptically by the sait, and would instantly cease, and the animal partly by immersion in the liquid brine, lunctions would be suspended. If it Smoked meats are preserved, partly an be objected that they would revive with tiseptically by the empyreumatic acid, the admission of the air, we answer, and partly by the watery particles be- that the air need not be admitted, save ing driven off by heat, so that the ment to empty the reservoir. If it be conbecomes a kind of glue, and the air is tended that the reservoir may be leaky, in the eyebrows and eyelids, which are excluded. Dry cakes of glue may be we answer so may a ship; and if so, the beautifully adapted for the defence of preserved any length of time; but if air-pump must be set to work just as the organs of vision; in the small hairs they be moistened to admit the air, they is the case with a water-pump in a leaky soon putrify. The charqui or jerked ship. beef of Southern America is made into. The cost of an underground resera glule by the heat of the sun, and thus assumes the character of cheese; atove ground, but it has the advantage decomposing by mites in the same man | of occupying of otherwise little value. ner. Dried flesh of this kind, mixed One obvious cheapness of this improved with butter or fat, is the pemican of North Western America, from which

the domesticated animals, are liable to between posts. When dried to a state tight compartments, the air might be the seasonable introduction and use of disease, although they may not be e- of parchment, the earth is taken out, exhausted by the pump; occasionally qually affected at the same time. Hor- and the bloated bag, resembling a huge trying the pump to ensure against leakses, as well as dogs, during the present hippotamus, is filled with grain, which

Three conditions are essential to The disease is not, generally speak- the process of putrefaction; viz: heat, ing, so fatal in horses as in cattle, be moisture, and still air. With wind, cause horses, being under continual moisture is carried off; with cold, the notice, were better attended to; the decomposing process is checked, as symptoms were at once noticed, and may be seen by the carcases of animals goods subject to damage in fransit,they were seldom lost. The same that lie through the winter in snowy would be the case with cattle, if prop-mountains, and dry up to glue. With-erly looked after; but too little attention out air, everything is locked up and res paid by the breeders and rearers of mains in statu que; as reptiles have cattle to the health and comfort of their been burried for ages in blocks of stone stocks and the symptoms of their dis- or sucient trees, and then resumed their

markshire, where he had been called provided with many windows, each on for advice; his instructions to the floor being the height of a man, yet not smith or farrier on the property were, permitting more than twelve to fifteen that he should bleed whenever he ob- inches depth of grain on each floor, for served any cough or alteration in the fear of heating, unlesss in the case of milk or feeding; clean out the bowels very old samples. Men are continualby laxative medicine, say one pound of ly employed to turn the grain over. to epsora salts, nitre, tartarate of antimony ventilate it, and clear out the vermin: in large and repeated doses; repetition and the weevil is naturalized in every of bleeding: blistering the sides, and crevice, as surely as bugs in neglected even firing, if necessary. After the London beds, or cockronches in West uflammatory action has been subdued, Indian sugar ships. It is the admistonics should be administered. By fol- sion of air, that permits this evil, that lowing this course, the smith has ac- promotes germination, that permits the quired a local celebrity. It was suffi- existence of rats and mice. In the exciently simple, if adopted at an early clusion of air is to be found the remedy. The practicalization of this is neither difficult nor costly ; on the conable hope of success can be entertained, trary, close granaries might be conatructed at far less proportional cost than the existing kind. They might be made under ground as well as above application of gulla percha, a perfect fit ground, in many cases better. They might at all times be ensured with The preservation of food has at most ground, in many cases better. They periods been an object; but the usual might be constructed of cast iron, like processes of man have been, for the gasonieter tanks; or of brick and cement. most part, little in advance of the squir- or of brick and asphalte, like underrels and other animals; less than those ground water-tanks. It is only requir-of the bees, which have an instinctive ed that they should be air-tight, and perception of the true principle, viz., consequently water tight. A single the exclusion of air, which they accomman-hole at the top, similar to a steam plish by hermetically sealing up their honey cells. In some cases this officiple is aimed at, but in a clumsy way. Preserved provisions, as meal, fish, soup, and milk, are euclosed in hermetically sealed tin cases, and rendered durable for years. The air in these cases is excluded by the agency of heat and a partial cooking. The expense of these methods prevents their being more than a luxury. Potted meats are prepared with antiseptics and the air is an screw pump to discharge the grain, land, held at Edinburg, on 12th of Jan- excluded by a covering of melted fat .- we have the whole apparatus complete. uary last, the Secretary read a commu- Green fruits and vegetables are enclos- If we provide for wet grain; a water-

voir, the cover put on and luted, and the

granary over those now existing is, that the whole cubic contents may be

trying the pump to ensure against lenk-ing; and thus even now, undried grain might be carried and delivered across the sea undamaged; the vessel would be more safe by means of air-tight compartments, and also more buoyant,-And the same arrangements would be equally available for various kinds of such as are hermetically sealed in tin cases; and thus the expense of packing numerous, it made them industrious would be saved.

In reservoirs on shore the air might not merely be pumped out; warm air might be pumped in, to dry damp grain. Water might also be pumped in and out to cleause the grain.

Similar reservoirs or magazines on a smaller scale might be constructed for butchers, or other provision dealers, and meat might be preserved fresh for weeks in the heat of summer, preventing the necessity of waste, or of selling at ruinously low prices; and so with fish brought to Billingsgate or other markets. On the same principle; there is no doubt that fresh meat, as sea stock, might be carried instead of salt meat, and that fresh provisions might be transported from any part of the world to any other part. Pork, or beef, or mutton, or venison, might be killed in America, and transported into England, Weevily biscuit would be a traditional commodity only in the annals of sailor

"Water-tight compartments" is present the expression for a safe ship. 'Air tight compartments' would be a term expressive of equal salety and far more general utility. The expense of air-tight joints for the man-holes or openings would be but trifling. By the scarcely any expense.

There can be little doubt, that with such arrangements, the prices of food would be far less fluctuating, and that it would become a practicable thing to borrow money on food as on brandy or iron, or any other commodity, when

among all warm-blooded animals, adconductor of heat, it tends to preserve the warmth of the body; and in man heat of the sun's rays and the bites of insects, and against injuries inflicted with violence. Of special purposes fulfilled by the hairs, we have instances of insects .- Wilson on the Skin.

Machine for Cutting Soles. The Boston Rambler says : "Mr. D. Bigelow, of Marlboro, Mass., has North. He was informed yesterday, by one of his pupils, who is in practice at Maybole, in Ayrshire, there has only been occasionally a solitary case for fifteen miles good during the last to proserve by covering and propagation to be atmospherical, and attributable to influences to which grain is preserved, some intentional, some accidental. What are dered eligible, For example the rail-the holes for boots and shops of every size dered eligible. For example the rail-the holes for pegs all punched, so that the holes for p it is very simple.

Gypsum or Plaster of Paris.

To Chancellor Livingston is owing the introduction into New York, and the common use of gypsum or plaster a very pleasant mode of adding \$100 a. los, i. c., underground pits of peculiar length of time that might be desired.—

To Chancellor Livingston is owing ed by having "everything in its place"

Or, inasmuch as it is a certain thing the introduction into New York, and and fit for use, worth as much that all farms must ultimately communicate with railways, by means of cheap of Paris, es a manure. About the year to one's income, on the faith of the for these deposits for subsistence. A horse trains, or steam-sidings, in order flat stone usually covered the opening; to work to profit, it would be desirable on his own farm, and succeeding, he got."

Travelling, some time since, through 1789, he began to make experiments old adage, "A penny saved is a penny the pleura which covers them and lines the chest. It was attended with great danger, particularly when the pleura was principally affected; and such cases generally were fatal, unless the proper remedy was immediately applied; because, when that membrane is attacked by inflammation, being what is called a serous membrane, it very rapidly proceeds to pour out serum and lymph between the lungs and ribs; the chest fills with water, and the animal sinks and dies rapidly. Man, and all a shole in the back, while suspended

plaster of Paris renewed our worm-out ands, and brought them back to more than their original fertility. The depopulation of our State was prevented. Emigrations from other States were made into it; and New York, which in the year 1790 was only the fourth in population, and in 1800, only the third, at the last census in 1810, was the largest in population of any in the Union. But it not only made our inhabitants prosperous and rich. The gypsum was been so long sought for. It turned everything it touched into gold.

To Chancellor Livingston this State is further indebted for the introduction of the Merino breed of sheep, and for the general emulation excited among our farmers, to rear and improve these valuable animals. The introduction of these was a consequence of the Chancellor's mission to France, and must be of the greatest and most decisive advantage to the United States. Already its effects upon our manufactures have been seen. The most affinent among us now feel proud to wear and to exhib-

it the fruit of our infant manufactures. The American farmer feels a conscious greatness and independence, when he can appear clad in the vest-ments wrought by the hands of his sisters, or wife, or daughters. But above all, the real patriot sees and rejoices that our future dependence on foreign manufactures can be no longer asserted; and that our national wants can be supplied from our own internal resources, whenever the true policy of the govern-ment may require the measure. These are the consequences of the introduction of the Merino sheep. For ever honour-ed by his country be the man, who ob-tained the golden fleece, and returned with it to our shores; who has declared a second independence for our country.

Eulogium by T. Clower.

From the Parmers' Cabinet,

Take care of your Implements.

ditional evidence is obtained in the perfection of its structure, and again in its early appearance in the progress of development of the young. As a had ness, that such "labour is not in vain." It is concise and plain, and coming it would have that effect upon the head, and serve to equalize the temperature of the brain. It is also a medium of defence against external irritants, as the proper use and necessary care of our tools and implements. For a considerable time after its delivery, I could per-ceive its beneficial effects, in the general management of my neighbours' estab-lishments; and I would add, in my own. the organs of vision; in the small hairs in particular, to the present hour. I which grow in the apertures of the nostrils, and serve as guardians to the delicate membrane of the nose, and in the him to the hi similar hairs in the ear-tubes, which defend those cavities from the intrusion water-tight, for the besteval of my implements, sufficiently large to afford "a place for every thing." Here, every tool is kept fit for use, out of the way of the dropping of the poultry-roost; by which so many of our implements, and that my savings in the wear and tear of tools, since the delivery of that speech, have not been less than \$50 per.

A penny saved is a penny made.