

quaint, and yet withal beautiful, it stands out in impressive contrast to the ceremonials of all other churches on this sacred occasion. However, in order to fully appreciate it, one must know something of the peculiarities of the Moravian Church. The Moravian Church has a long

and honorable history among Protest-ants. Its seeds are found as long ago as the ninth century, when Christianity was introduced into Moravia and partially over the modest tombs. Bohemia.

A gentie law-loving people, the Mo ravians were encouraged by the various governments to form settlements. The parent organization in America is the church at Bethlehem, Pennsyl



THE OLD MORAVIAN CEMETERY AT BETHLEHEM,

vaula, which has been in existence for almost two centuries. Besides this church there are but ne or two strong by the band and the choir, and at each congregations in the United States, although the sect numbers thousands of adherents throughout the country. Perhaps the Moravian Church of Salem, North Carolina, will convey a clearer and more comprehensive idea of this unique organization than any other that could be selected. The town was founded more than

one hundred and fifty years ago as a church community. The influence of pastors and elders was paramount in fairs. They settled the questions of competition and production as well as of church attendance, and from their decision there was no and from their decision there was no and from their decision there was no appeal.

In this way all business was regulated, and from this system emerged the quaint and prosperous little city of Salem, whose woolen and cotton mills, Neufchatel Cheese its iron furnaces and tan-yards and its three thousand happy and prosperous Vanilla Ice Cream, in the shape of citizens and its college weat the envy and the n

ing hilles and hyacinta and white a century. roses. No imposing marble shafts or portance of the departed for

men are equal, and no distinctions are permitted in that peaceful, beautiful and gardenias each spring whiter im-There, in the presence of the dead,

occurs the most dramatic and beautiful scene of the Moravian E.ster ser During: the night preceding the vice. sacred day no Moravian sleeps. It is a watch night-a time of introspection and prayer. As the clocks linish strik-

ing the hour of midnight, the deep, musical notes of the church bells from every steeple in Salem chime forth the ddings that it is once more the anniversary of the Blessed Redeemer's resurrection. The lights blaze up around the altar, revealing banks and wreaths and festoons of flowers, and as the sonorous thunder of the great pipe organ rolls through the aisles, the splendid church band takes v; the sacred air, while the priest and the elders and the congregation stand with bowed heads until its conclusion. The priest then stepping forward., olds the band go forth and proclaim in music the glad tidings. To a slow measure the

congregation files out, and at the first corner the sacred concert begins. Street by street the town is traversed corner several selections are rendered. By the time the itinerary is completed the town is arouse I, and when the performers return to the church the east is already fretted with the first streaks and bars of purple and silver of the coming day. An open-air service follows in front of the church.

A SIMPLE EASTER MENU Little Neck Clams.

Spring Chicken. 5. Cauliflower Bermuda Potatoes. Lemonade. Fruit Salad. Crackers

Olives. Lilies Creme de Menthe

Bonbons

HE celebration of Easter males must not be puried together. down that beautiful broad walk, "The by the Moraviaus is one of Neither shall the mais test besids the Avenue of Cedars," which was faid the most unique specta-cles imaginable. Original, square, which, when the spring comes, whose tombs hard by are now dim is marked by ..... clusters of bloom- and yellow with the years of more than In almost the centre of the come

pretentious mausoleums are there to fery there is a gentle knoll, and upon tell of the wealth, rank or earthly im- that, and perhaps four feet apart. the stand two enormous cedars of Lebanon. church decrees that there, at least, all The ground slopes gently in every al rection from that point, and an are of about ninety degrees of the eastern home of the dead, where magnolias horizon is unobscured by house or tree. At this spot the procession hults. slow strains of sacred music The



AN ASTER FROLIC. From a German postcard.

but save for that and the mournful cadences that the morning wind is playing upon its harp of cedar boughs above, those who sleep underground are not more silut than are these devout worshipers. Between those old, giant cedars, and facing the cast, the white robed priest stands with bowed head, deep in silent prayer. The pearl streamers rise above the horizon and tinge the sky with pink, which burns into a crimson rea, over which course cloud billows of molten gold. Through It bursts the flaming rim of the rising sun, proclaimed by a rousing blast from the trumpet of the church herald. Every head is now erect. The church band bursts into a joyous, triumphant air, and as the congregation sings, it is no longer lamentation, but the pacus

of victors that welcome the new day. Silence greets the upraised hand of the venerable priest from his pulpit between the cedars, and in a wellmodulated voice he tells them what the death and the Resurrection has done for them in the world, and counsels them to follow in their daily affairs the life of the lowly Nazarene. as the greatest of all earthly wisdom. Then there is more music, a benediction, and the sunrise service of the Moravians is over.

At Bethlehem the Easter services of the idea clearly,-Indianapolis News. the Moravians is very similar to that of Salem. The program begins there also at midulght in the historic old

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food, of course, is unlimited, but this The Ideal Dairy Cow. Whether she be a Holstein, a Jersey may be substituted very well in winter or whatever she may be, you will find with roots. Indeed, it is rare that the typical dairy cow with bony head sows fed liberally on these will fall and strong jaw, long between the eyes to farrow successfully and afford all and nose with broad muzzle. She should have a bright protruding eye which means strong nerve force and action later on. She should have a thin neck and retreating brisket. The growth can be maintained with a porklines above and below must not be er until maturity, it is then possible straight, or she will steal from you, to prepare it for market in short order, She should be slightly depressed be- -Fred O. Sibley, in The Epitomist. hind the shoulders with sharp chinenot too straight a backbone. She must A turnstile is often a very useful part of a fence upon many farms, es-

have large organs of reproduction and large heart girth, wide between fore necially where it is desired to keep legs and sharp on shoulders which the cattle or horses in their place and gives large heart action and strong at the same time allow easy access arterial circulation. And last, but by to the field for those who desire to no means least, she must have a good udder, for one-half the value of the duties. The Prairie Farmer has a cow is in her udder which should be long from front to rear.

coated with a mixture of neats-foot oll

day.

a ting.

neck

#### If the stock kept in the barnyard is Preserving Harness. The first point to be observed is to keep the leather soft and pliable; this not of small stature like the pig and sheep, the turnstile shown in the illuscan be done only by keeping it well tration is one of the best arrangements The to place at the entrance. Horses and charged with oil and grease. straps should be washed and oiled cows cannot get through the passage whenever they have been moistened by thus protected and it enables anyone sweat or solled by mud. To do this, to enter the barnyard without setting down anything they may be carrying. the straps should all be detached and 'The turnstile is easily constructed, the washed with warm soap suds; then

strong and set firmly in the ground. and tallow and allowed to remain un: In the plan here illustrated the cross disturbed until the water has dried out. pieces are set on an iron pin so that after which they should be rubbed with a woolen cloth. In hanging a they readily revolve. The turnstile harness care should be taken to allow all straps to hang their full length. Light is essential in the care of leather. When the harness closet is dark the door should be left open during the To clean plated mountings use a chamols with a little tripoli or rotton stone, but they should be scoured as

## The Self-Sucking Cow. It is not necessary to abuse a cow

breaking off the habit in a sensible manner, which is readily done with a would, of course, be much stronger little care and with the help of the if arranged so that a circular hole was device here described. Take a strong cut out of the cross pieces to fit over smooth stick about three and one-half the end of the post, which could be trimmed down to three inches in diamfeet long and in one end of it fasten eter. An iron pin run through the top Buckle a strap around the

after the cross pleces have been placed in position would prevent them work ing off the post.

A Barny. " Turnatile.

line which is as follows:

Covering Manure. Farmyard manure should be kept as near the surface of the soil as possible. The rain-water as it percolates through the soil has a tendency to carry the plant food downward and out of reach of the plants. Consequently an attempt should be made to delay the downward progress of plant food instead of assisting it by plowing the manure in deeply. Then, again, nitrification is most active near the surface of the soil and therefore manure kept near the surface is under most favorable conditions for having its plant food made available and consequently gives quicker returns. When a heavy application of manure has been plowed under deeply, it is no uncommon thing to see lumps of manure brought to the surface by subsequent plowing, showing that it has never been properly incorporated with the soil. It is quite probable, too, that this deeply buried manure has lost considerable nitrogen through dentrification. Economical manuring consists in obtaining quick returns over as large

## MEN AT THE THROTTLE

Sound Sense and Sobriety Vital to Safety. :-: :-: :-:

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HE difference between a | coal passers, twenty coal trimmers, NOK ference between the respective mechanical apparatus MON of which they have charge. A stawhile a marine engineer's is constantly shifting as to the former.

A stationary engineer, as a rule, drives borizontal engines; a marine engineer contents himself with the perpendicular brand. During the past five years considerable improvement enter it often in pursuance of theit has been made in the turbine engine. so that it looks as if the great mass of most excellent suggestion along this machinery now carried in the hold of an ocean liner will be greatly reduced, as the turbine is the simplest of all engines.

This recently developed engine's success on land, in large Western power plants, has proved its superiority over the reciprocating engine, both as a power producer and as an economizer of fuel. It is my opinion that a few more years will see the reciprocating engine passing to the scrap pile. main thing being to have the post

Perhaps it would be just as well for me to give the general distinction between the marine or perpendicualr engine, the land or horizontal engine, and the turbine, which is suitable for both,

The marine engine is built perpendicular because that is the most ecozontal engine were placed aboard a ship the floor space it would occupy would be from three to four times the vertical engine of the same horsepower, and floor space aboard ship is a very valuable consideration. In horiis well illustrated by a man planing a bench: in the vertical engine the stroke is like that of a churndasher, up and down.

Marine engines may be either single. double, triple, quadruple, or even quintuple or sextuple expansion engines. That is, they may have one, two, three, four, five or six civlinders, all of increasing size, each driving a piston cod. The average liner may have from two to four of these giant engines, with a double battery of twelve bollers, supplying them with steam at a pressure all the way from 240 to 420 pounds to the square inch.

On a land engine all this power might be, and in some rare instances is concentrated in one gigantic vertical or horizontal engine, but aboard ship at engine cannot afford to be too tall, else in rough weather, it would lose its cen tre of gravity and topple over. As a rule, twin-screw steamers have engines known as the port starboard engine. each engine driving an independent shaft or screw; these engines may be and frequently are coupled up so that put on paper one's own ideas and dethey work together, but aboard battleships they are always left uncoupled. because it assists in maneuvring to be able to drive one screw faster than the other

In a triple screw steamer there are usually three independent engines. each driving a screw. These engines may represent all the way from 100 to 12,000 horse power, and as a horse pow er means the lifting of 32,000 pounds one foot in one minute, you can figure

and the refriegating plant.

HA HA! HA!

Two or Three Good Laughers Can Start

"There is no better place in town to

and the next go almost the other way

It will be a good show, bu, the second

AUTOF LUIS

It is a cubious fact, says Home Notes.

Lat.

Up an Audience.

marine and a stationary four to six electricians, four wiremen engineer is largely the dif- and six to eight donkey engine drivers. As a rule most every passenger aboard a liner gets it into his head that the captain is the most important pertionary engineer's plant is always per- sonage aboard, and as a rule he is, but manent as to location and foundation, his name would be J. Herbert Mudd without the engine room staff. Take a quick passage and the passengers will

ompliment the captain, when in all fairness the glory belongs to the engi-neering staff. Every chief engineer could, if it were required of him, go into the chart room and peg out the vessel's path, or he could find her latitude and longitude from her rail, or mount the bridge and command her, but not one captain in a thousand could go into an engine room and oll up an engine, let alone run it.

The distinction between the vertical and horizontal reciprocating engines and the turbine engine lies in the fact that the latter has no piston; the steam enters the turbine much as water enters the hood of an overshot wheel, and being under great pressure, strikes against flanges which are centred on a

shaft, causing it to revolve at great speed. The motion of a turbine is therefore continuously forward, or backward if it is reversed, just like a wheel moves. A reciprocating engine, be it vertical or horizontal, drives a piston out from its cylinder by the pressure of steam in front of the piston nomical form aboard a ship; if a hori- head. In other words, the 'turbine moves as does a wheel eiinched to its axle and set in a frame to prevent it moving forward and the same distance amount of floor space occupied by a back again. It is rather difficult to explain machine construction to the un-technical mind by the use of terms alone, diagrams are required and zoutal engines the stroke of the piston elaborate explanatory notes accompauying them in order that even an inkboard; he planes parallel with his ling may be had as to the general construction of a given machine.

I have often wondered why men in prison do not study the technique of some given brand of engineering-take a man doing a five-year term and he could by judicious study fit himself to take a minor position, such as ofler aboard a liner or la a great power plant, and then learn the practical end of the business and eventually get an engineer's certificate. I would suggest to those who would take up this study the following course: Physics, or the science of natural

law, wherein one becomes acquainted with natural phenomena, its application to mechanics and the equations deducted therefrom.

Mathematics, which allows one to make use of his knowledge of physics and its equations.

Chemistry, a useful adjunct to every branch of higher engineering and absolutely necessary to some.

Mechanical drawing, which allows me to study the designs of others and signs.

Mechanical construction or applied mechanics, which teaches one why a given machine is built one way and ot another; this is simply physics specialized.

The evolution of science, because of ts widening influence on the mind.

English grammar, because it not only makes one intelligently receptive of the ideas of another, but allows one to so express himself that the reader of own intalligantly understand

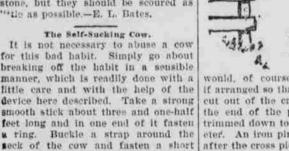


raline the

strap through the ring on the end of the stick or pole with the other end through the neck strap. About eight inches from the end of

the pole, the end opposite the one in which the ring has been inserted, bore an augur hole and through this run a strong hard twine or leather and the It securely to a strap fastened around the body of the cow just beyond its front legs. It will be noticed that while this device will prevent the cow from sucking herself it is a safe attachment and if arranged as directed it will be almost impossible for the cow to injure herself with either end of the pole. The illustration shows

Selection of Stock



State as early as the dist quarter of the last century. The Salem College later Introduced

some of the most charming women thousands of people usually participate. of the South, including Mrs. "Stone At its conclusion a line of march ad wall" Jackson and the wife of Genformed. The senior priest of the eral Stuart, the great cavalry leader. church, arrayed in canon.cals, followed Back of the college campus, under the by the other pastors similarly attired, perennial shadows of cecars that were heads the procession. They are fol-old when the nineteenth century was lowed by the choir and the young woyoung, lies the Moravian "God's Acre." men from the college, all dressed in A more beautiful spot could not be imley. Behind them, formed in ranks of agined. There the flowers bloom, the fours, comes the congregation. birds sing and the bees drone throughout the year, where "the rude forefathers of the hamlet sleep." But hymn the procession moves through there one will find no family lots, for the town at a slow murch, on to the the church ordains that males and fe- entrance of the cemetery, and thence

hig

EASTER MORNING. to m the Painting by Alexander Ender.

Coffee. church. During the nocurnal sacred which is brief, and in which several

concert an elaborate program is ..iways rendered in front of the venerable old Rising Sun Inn, and there is invariably a large audience of out-oftown visitors, who come to witness the ceremonies. The sisters of the Moonvian convent take a conspicuous part all these services, including the one at the picturesque old cemetery, when, we te and wearing lilles of the val- even standing room is difficut' to find on Easter morning.

One of the most striking features of the band strikes up an old, familiar the Moravian Church is the prominent place given to music in its worship. It is always good. Whether at Bethlehem or Salem, one may 'ways count with certainty upon hearing high class music beautifully rendered. At Beth-

lehem the cultivation of music has been carried by the church to an extent that would make it famous if it could show no other good w . . . The result is of course that the'r Easter core uomials are more than ordinarily interesting. Perhaps no church in the State of Pennsylvania has a choir that is superior, or equal, to that which assembles there in the old church every Sunday morning.

Taking this cnoir as a :.ucleus, the church some years ago began to build Its up a great musical organization. auccess was no great that it was decided to give a grand mass as a part of the Easter services. bach's in "B minor" was selected, and so perfectly enchanting was its rendition that it completely captivated the country. It has been made a part of the Easter ceremonial, and now celebrated every year, with the tesuit of drawing time larger congregations than any building in Bethlehem can accommodate .- Woman's Home Componion.



Stock your farm with the animals you like best. You need not have all registered stock, but get the best you can procure. Don't raise nor keep scrub stock; they never will make you any profit. If you don't admire a horse, it probably will not pay you to keep two or three brood mares. If you don't admire a fine mlich cow, it will not pay you to keep a dairy berd, other

than to supply your own use. If you don't admire sheep, if you don't find them attractive, then don't grow them. for they will very likely never do any good for you. If you are not and can not be interested in any of the abovementioned animals, then select some thing you are interested in, something that you do admire. For one must have a love for his line of work to make it most profitable. Men in every part of the country are making mone, from all kinds of live stock, some from one kind, others from another kind. Often the man who keeps nine or ten milch cows thinks his neighbor who devotes all his attention to hogs and none to cows, very foolish. But it all depends upon the man and surrounding conditions and a man ought to follow his own natural abilities and his While alfalfa seems to require much own preferences. No matter what kind of stock you select you are doing it for a special purpose; you have a definite end in view. No matter what you want to accomplish, whether to promote growth, develop bone and muscle, or spirit and nerve, to produce fat or milk or wool, the animal must be the one you admire and love to care for the most, to make your selection and profession a profitable one,-E. L. Morris

### The Sow and Her Little Ones.

in the Epitomist.

possible.

Ginther.

#### Value of Pouitry.

With poultry the ordinary farmer The sow with pigs should be fro can convert a great deal of waste mabut little corn during the first few terial about his farm into money in the weeks after farrowing and preferably shape of eggs and chickens. With innot for a month or so before. It is telligent management, poultry ought to much better to give her slop made of he all year revenue producers, with shorts, a little oil meal and milk with the exception of, perhaps, two months a small quantity of salt added. This during the moulting period. For the prevents her from becoming too fat. amount of capital invested, poultry gives her more strength and desire for will yield quicker and larger returns exercise and when the pigs are large than any of the other departments of erough to try to cai. It furnishes ad agriculture. The manure from the ditional nourishment and gives them : poultry house will make a valuable good thrifty start: especially so if they compost for use in either vegetable have access to plenty of water. Prior garden or orchard. The birds themto their birth, the sow should have selves, if allowed to run in the orchard, the seclusion of quarters where she will destroy much of the injurious inwill be away from all exciting influ- sect life. While cereals and fruits can ences. There, given plenty of straw, only be successfully grown in certain she will need no further assistance in all preparing her bed. Hence, as far as parts of the country. Poultry raising she should be left alone and is an employment which the farmer's after the pigs come she should not wife and daughters can engage in and be molested for twenty-four hours. Af- leave him free to attend to other ter that feed her lightly for the first pariments. To start pouliry raising week, for the most part on greeu on the farm requires practically no food and slops. By using succulent capital and under ordinary circumfood including some oll meal, it is sel-dom that any medicine is required. can be made a valuable adjunct of the dom that any medicine is required. can be made a value in summer the quantity of succulent farm.-E. R. Beach.

this is accomplished by moderate applications incorporated with the surface of the soil. Shallow covering of manure also increases the humus of the surface soil. As a result, the surface does not bake or crack in dry weather; it also absorbs and retains water much more satisfactorily and works up into a fine tilth more easily.

an area of the farm as possible, and

#### Alfalfa Plants Very Tender.

Young alfalfa plants are among the weakest grown in the United States. They grow slowly, are weak feeders and are easily choked or killed by weeds and by unfavorable conditions of soil, weather or treatment. Mature alfalfa is a most vigorous plant: it grows down deeply in the soil, is a vigorcus feeder, and lives and yields well under many unfavorable conditions. For this reason it will pay well to obacrve every requirement in planting the seed which experienced growers have ascertained to be of value. Generally speaking, the conditions demanded by alfalfa are seed or soil inoculation, abundant moisture, perfect seed hed, perfect soil at time of seeding, good drainage, few weeds and the very best seed obtainable. moisture the plant has a way of helping liself to the required water in seetions not regarded as being well watered. The plants reach down with roots sometimes twenty feet long after the moisture which usually exists far fat, red-faced man, who always sits in below the surface. This habit of adjusting itself to its surroundings con stitutes it the most adaptable plant grown in this country to-day.-C. M.

out what a 12,000 hors does in the way of work in a six-day what one is trying to say. Logic, because it helps one to b transatlantic voyage.

sane, and that is a requirement of all But these engines are not all the enhigher mechanics. gines used aboard a giant liner. There

Geography, history and kindred stuis an independent engine used for driv dies, because they help any man to ing the dynamos of the electric plant; more intelligently grasp the great quesanother for driving the ventilating tions of the day and time and to do his fans, another for driving the hold hoist. work with an intelligent understanding and still another for the anchor hoists of its purpose, and not as a simple ma-An engineer's staff aboard a liner is chine.

The thing all good engineers must made up about as follows: Chief engineer, two senior engineers, four junior and do avoid is liquor. An engineer is dethroned quicker by alcohol than is engineers, four machinists, four yea any other professional man, and once men, eight to ten ollers and wipers, one chief of fire room, three assistant fire down is name is Dennis,-Sing Sing chiefs, thirty to fifty stokers, twenty Prison Star of Hope.

#### Automatic Time-Table

An ingenious train indicator has been set up at the entrance to Church End, Finchley station, says the London Express.

notice how contagious laughter is than It is the invention of two local right here in this theatre," said Frank tradesmen, and stands some eight feet White, of the Denver Orpheum, to a high. In the top of the front is a clock reporter of the Post in that city. "Freregulated so as to keep time with the quently a show will go great oue night station clock. In the centre of the machine, behind a glass panel, appear in hold figures the times of trains leaving night the people with infectious laughs the station for one hour.

won't be here. There are about half a Every hour the whole of these train dozen people who come here every times are automatically changed in acweek, who help the show out wonde cordance with the movement of the fully with their laughs. If they'd clock, and so from morning to night the come every night I believe we'd give public have the train time table hour them passes. One of them is a big, by hour placed before them.

Novel Circular Garage. Always something new under the a box. Whenever a joke is sprung he turns toward the audience and laughs sun, says Everybody's Magazine. Paris in such a way that people who see him has a circular garage wherein automo simply have to join him. The performbiles take the elevator, so to speak, to ers appreciate the laughs and, after the top floor, using their own motive that, work their hardest. One night we had an awfully cold audience here. power to climb along a spiral track a Laughs were so few that the people on I mile long, which winds around a centhe stage were working in a dis- tral hall. The automobile whizzes in from the street and makes the climb couraged way, and the performance along easy grades. Garages in the was going bad. All of a zudden, when thirtieth story may come to be the rage. the show was half over, something But should the gradients be easy, as in pleased a pretty little golden haired ensy Paris? Should they not be dizzy girl sitting in the third now with her and precipitous? Our youth must not parents, and she let out the entest grow soft. They must have exercise. baby chuckle I ever heard. That start-

ed the nudleace. The people joined Medical Attendants of Japan's Emperor her, and after that the show went The Emperor of Japan is always atgreat. In my opinion every theatre, tended by physiciaus, despite the fact where comedy is presented, should that he is in excellent health. Four have two or three hearly laughers in modical gentlemen are attached to the the andicace at every performance to start the laughs when the crowds are imperial household, and one is within all at all hoars of the day and night, cold. I really believe it would pay the The pulse and temperature of his mamanagement to put them on the salary jesty are taken four times each day, and the results are carefully recorded. -London Bystander.

#### Man's Importance.

that among flowers the same species never show in perfection more than Would you like to get at something two of the three primary colors-red, reflow and blue, For instance, roses are red and yellow, but never blue; ver-beans are red and blue, but never yel-low; pansies are rellow and blue, but never yel-never red.