NOTED WASHINGTON DIVINE'S

SUNDAY DISCOURSE.

Mighty Lufluence of Prayer For the World's Good-It Comes From Secret Places-The Christian Home the Fountain of Plous and Gracious Influences.

TEXT: "I answered thee in the secret place of thunder."--- Psalms 81: vii.

It is past midnight, and 2 o'clock in the morning; far enough from sunset and sun-rise to make the darkness very thick, and the Egyptian army in pursuit of the escap-ing Israelites are on the bottom of the Red Sea, its waters having been set up on either side in masoury of sapphire, for God can make a wall as solid out of water as out of granite, and the trowels with which these two walls were built were none the less powerful because invisible. Such walls had never before been lifted. When I saw the waters of the Red Sea rolling through the Sucz Canal they were blue and beautiful and flowing like other waters, but as the Egyptians look up to them built into walls, now on one side and now on the other, they must have been frowning wa-ters, for it was probable that the same power that lifted them up might suddenly fling them prostrate. A great lantern of cloud hung over this chasm between the two walls. The door of that lantern was opened toward the Israelites ahead, giving them light, and the back of the lantern was toward the Ezyptians, and it growled and rumbled and jarred with thunder; not thunder like that which cheers the earth shower, but charged and surcharged with threats of doom. The Egyptian captains lost their presence of mind, and the horses reared and snorted and would not answer to their bits, and the chariot wheels got in-terlocked and torn off, and the charioteers were hurled headlong, and the Red Sea fell on all the host. The confusing and con-founding thunder was in answer to the prayer of the Israelites. With their backs out by the lash and their feet bleeding and their bodies decrepit with the suffering of whole generations, they had asked Almighty God to ensepulcher their Egyptian pursuers in one great sarcophagus, and the splash and the roar of the Red Sea as it dropped to its natural bed were only the shutting of the sarcophagus on a dead host. That is the meaning of the text, when God says: "I answered thee in the secret place

Now, thunder, all up and down the Bible, Now, thunder, all up and down the blue, is the symbol of power. Small wits depreciate the thunder, and say, "It is the lightning that strikes." But God evidently thinks the thunder of some importance or He would not make so much of it. That man must be without imagination and without sensiciveness and without religion who can, without emotion, see the convention of summer clouds called to order by the falling gavel of the thunderbolt. There is nothing in the natural world that awes and solemnizes me as the thunder. The Egypsolemnizes me as the thunder. The Egyptian plague of hail was accompanied with this full diapason of the heaven. While Samuel and his men were making a burnt offering of a lumb, and the Philistines were about to attack them, it was by terrorizing thunder they were discomfited. Job, who was a combination of the Dantesque and the Miltonic, was solemnized by this rever-beration of the heavens, and cried: "The thunder of His power, who can under-stand?" and He challenges the universe by saving, "Can'st thou thunder with a voice like Him?" and he throws Rosa Bonheur's "Horse Fair" into the shade by the Bible photograph of a war horse, when he decribes his neck as "clothed with thunder." Because of the power of James and John, they were called "the sons of thunder." The law given on the basaltic crags of Mount Sinai was emphasied with this cloudy ebullition. The skies all round about St. John at Patmos were full of the thunder of war and the thunder of Christly triumph, and the thunder of resurrection, and the thunder of eternity.

But when my text says, I answered thee in the secret place of thunder, it suggests there is some mystery about the thunder. To the accients the cause of this bombarding the earth with loud sound must have been more of a mystery than it is to us.

The lightnings, which were to them wild monsters ranging through the skies, in our time have been demesticated. We harness electricity to vehicles and we cage it in lamps, and every schoolboy knows some-thing about the fact that it is the passage of electricity from cloud to cloud that makes the heavenly racket which we call thun-der. But, after all that chemistry has taught the world, there are mysteries about this skyey resonance, and my text, true in the time of the psalmist, is true now, and always will be true, that there is some secret about the place of thunder.

Now, right along by natural law, there is always a spiritual law. As there is a secret place of natural thunder, there is a secret place of moral thunder. In other words, the religious power that you see abroad in the church and in the world has a hiding place, and in many cases it is never discovered at all. I will use a similitude. I can give only the dim outline of a particular case, for many of the remarkable circumstances I have forgotten. Many years ago there was a large church which countable conversions. There were no great revivals, but individual cases of spiritual arrest and transformation. A young man sat in one of the front pews. He was a graduate of Vala believed. He was a graduate of Yale, brilliant as the north star and notoriously dissolute. Everybody knew him and liked him for his genialty, but deployed his genialty, but deplored his moral his genialty, but deplored his moral er-rantry. To please his parents he was every Sabbath morning in church. One day there was a ringing of the door bell of the pastor of that church, and that young man, whelmed with repentance, implored prayer and advice, and passed into complete re-formation of heart and life. All the neigh-borhood was astonished and asked, Why was this. His cather and mother had said was this? His father and mother had said nothing to him about his soul's welfare. On another side of the same church sat an old miser. He paid his pew rent, but was hard on the poor and had no interest in any philanthropy. Piles of money! And people said: "What a struggle he will have, when he quits this life, to part with his bonds and mortgages." One day he wrote to his rages." One day ne whose in Please to call immediately. I have a matter of great importance about which I want to see you." When the paster came in the man could not speak for emotion, but after awhile he gathered self-con-

trol enough to say:
"I have lived for this world too long. I want to know if you think I can be saved. and, if so, I wish you would tell me how." Upon his soul the light soon dawned, and the old miser, not only revolutionized in heart but in life, began to scatter bene-factions, and toward all the great charities of the day he became a cheerful and bountiful almoner. What was the cause of this change everybody asked; and no one was capable of giving an intelligent answer. In another part of that same church sat Sabbath by Sabbath a beautiful and talented woman, who was a great society leader. She went to church be-cause that was a respectable thing to do, and in the neighborhood where she lived and in the neighborhood where she lived it was hardly respectable not to go. Worldly was she to the last degree, and all her family worldly. She had at her house the finest germans that were ever danced and the costliest favors that were ever given, and though she attended church she never lived to hear any stavned rather. she never liked to hear any story of pathos, and as to religious emotion of any kind she thought it positively vulgar. Wines, cards, theaters, rounds of costly gayety were to her the highest satisfaction. One day a neighbor sent in a visiting card and this lady came down the stairs in tears, and told the whole story how she had not slept for several nights, and she feared she was going to lose her soul, and she won-dered if some one would not come around and pray with her. From that time her entire demeanor was changed, and though

she was not called upon to sacrifice any of her amenities of life, she consecrated her beauty, her social position, her family, her all to God and the church and usefulness.

The reason we ministers do not accomplish more is because others do not pray Everybody said in regard to her: "Have you noticed the change, and what in the world caused it?" And no one could make satisfactory explanation. In the course of two years, though there was no general awakening in that church, many such isolated cases of unexpected and unac-countable conversions took place. The very people whom no one thought would be affected by such considerations were converted. The pastor and the officers of the church were on the lookout for the clution of this religious phenomenon. "Where is it?" they said, "and who is it, and what is it?"

At last the discovery was made and all was explained. A poor old Christian women standing in the vestibule of the church one Sunday morning trying to get her breath again before she went upstairs to the gallery, heard the inquiry and told the secret. For years she had been in the habit of concentrating all her prayers for particular persons in that church. would see some man or woman present, and, though she might not know the person's name, she would pray for that person until he or she was converted to God. All her prayers were for that one person—just that one. She waited and waited for communion days to see when the candidates for member hip stood up whether her pray-ers had been effectual. It turned out that these marvelous instances of conversion were the result of that old woman's ers as sat in the gallery Sabbath by Sabbath, bent and wizened and poor and unnoticed. A little cloud of consecrated humanity hovering in the galleries. That was the secret place of the thunder. There is some hidden, unknown, mysterious source for almost all the moral and religious power de monstrated. Not one out of ten million prayers ever strikes a human ear. On publie occasions a minister of religion voices the supplications of an assemblage, but the prayers of all the congregation are in silence. There is not a second in a century when prayers are not ascending, but my-riads of them are not even as loud as a whisper, for God hears a thought as plainly as a vocalization. That silence of supplication—hemispheric and perpetual—is the secret place of thunder. The day will come—God hasten it—when

people will find out the velocity, the ma-jesty, the multipotence of prayer. We brag about our limited express trains which put us down a thousand miles away in twentyour hours, but here is something by which in a moment we may confront people 5000 miles away. We brag about our telephones, but here is something that beats the telephone in utterance and reply, for God says, "Before they call, I will hear." We brag about the phonograph, in which a man car speak, and his words and the tones of his voice can be kept for ages, and by the turning of a crank the words may come forth upon the ears of another century, but prayer allows us to speak words into the ears of everlasting remembrance and on the other side of eternities they will be heard. Oh, ye who are wasting your breath and wasting your nerves and wasting your

lungs wishing for this good and that good for the church and the world, why do you not go into the secret place of thunder?
"But," says some one, "that is a beautiful theory, yet it does not work in my case, for I am in a cloud of trouble or a cloud of prevacultion or a cloud of proverty or a of persecution or a cloud of poverty or a cloud of perplexity." How glad I am that you told me that. That is exactly the place to which my text refers. It was from a cloud that God answered Israel—the cloud over the chasm cut through the Red Sea-the cloud that was light to the Israelites and darkness to the Egyptians. It was from a cloud, a tremendous cloud, that God made reply. It was a cloud that was a secret place of thunder. So you cannot get away from the consolation of my text by talking that way. Let all the people under a cloud hear it. "I answered thee in the secret place of thunder."

This subject helps me to explain some things you have not understood about cer-

tain useful men and women. Many of them have not a superabundance of education. If you had their brain in a post mortem examination and you could weigh it it would not weigh any heavier than the average. They have not anything especially impres-They have not anything especially impres-sive in personal appearance. They are not very fluent of tongue. They pretend to nothing unusual in mental faculty or so-cial influence, but you feel their power, you are elevated in their presence, you are a better man or a better woman having confronted them. You know that in iatellectual endowment you are their su-perior, while in the matter of moral and religious influence they are vastly your su-perior. Why is this? To find the reve-lation of this secret you must go back thirty or forty or perhaps sixty years to the homestead where this man was brought up. It is a winter morning, and the tallow candle is lighted and the fires' kindled, sometimes the shavings hardly enough to start the wood. The hardly enough to start the wood. The mother is preparing the breakfast, the blue-edged dishes are on the table, and the lid of the kettle on the hearth rattles with the steam. The father is at the barn feeding the stock—the casts thrown into the horses' bin and the cattle crunching the corn. The children, exriler than they would like and after being called twice, are gathered at the table. The blessing of God is asked on the food, and, the meal over, the family Bible is put upon the white table cloth and a chapter is read and a prayer made, which includes all the interests for this world and includes all the interests for this world and the next. The children pay not much at-tention to the prayer, for it is about the same thing day after day, but it puts upon them an impression that ten thousand years will only make more vivid and tre-mendous. As long as the old folks live their prayer is for their children and their

hildren's children. Day in and day out, month in and month out, year in and year out, decade in and decade out, the sons and daughters of that family are remembered in earnest prayer, and they know it and feel it and they caunot get away from it. Two funerals after awhile—not more than two years apart, for it is seldom that there is more than that lapse of time between father's going and lapse of time between father's going and mother's going—two funerals put out of sight the old folks. The daughters are in homes where they are incarnations of good sense, industry and piety. The sons, perhaps one a farmer, another a mechanic, another a project of the Gospiel useful. another a minister of the Gospel, useful, consistent, admired, honored. What a power for good those seven sons and daughters! Where did they get the power? from the schools and the seminaries and the colleges? Oh. no, those these may have helped. From their superior mental endowment? No; I do not think they had unusual mental caliber. From accidental cir cumstances? No, they had nothing of what is called good luck.

I think we will take a train and ride to

the depot nearest to the homestead from which those men and women started. The train halts. Let us stop a few minutes at the village graveyard and see the tomb stones of the parents. Yes, the one was seventy-four years of age and the other seventy-two, and the epitaph says "that after a useful life they died a Christian death." On over the country road we ride—the road a little rough, and once down in a rut it is hand to get the wheels out again without breaking the shafts. But at last we come to the lane in front of the farm

Let me get out of the wagon and open the gate while you drive through. Here is the arbor under which those boys and girls many years ago used to play, but it is quite out of order now, for the property is in other hands. Yonder is the orchard. where they used to thrash the trees for apples, sometimes before they were quite ripe. There is the mob, where they hunted for eggs before Easter. There is the doorfor eggs before Easter. There is the door-sill upon which they used to sit. There is the room in which they had family pray-ers, and where they all knelt—the father there, the mother there, and the boys and girls there. We have got to the fountain of pious and gracious influences at last.

for us enough, and we do not pray for our-selves enough. Every minister could tell you a thrilling story of sermons, sermons hasty and impromptu, because of funerals directing n and sick beds, annoyances in the parish, yet those sermons directing many souls to God. And then of sermons prepared with great care, and research and toil uninterrupted; yet those sermons falling flat or powerless. The difference was probably in the amount of private prayer offered for the success of

Oh! pray for us! Poor sermons in the There is nothing better than frequent pulpit are the curse of God on a prayerless parish. People say, "What is the matter cultivation of cabbage to make it grow. with the ministers in our time? So many Every time the soil in stirred, and of them seem dissatisfied with the Bible, especially is such warm, wet weather and they are trying to help Moses and Paul as the whole country has lately had, and Christ out of inconsistencies and contradictions by fixing up the Bible." As there is liberation of plant food in as well let the musicians go to work to fix uplarge amounts as even a gross feeding Haydn's "Creation" or Handel's "Israel incorp of cabbage can require. It is in Oh! pray for us! Poor sermons in the There is nothing better than frequent Haydn's "Creation" or Handel's "Israel incrop of cabbage can require. It is in Egypt," or let the painters go to fixing up such seasons as this that care must be Raphael's "Transfiguration," or architects such seasons as this that care must be go to fixing up Christopher Wren's St. taken to upset late cabbage and loosen Paul's. But I will tell you what is the mat-some of their roots so as to check ter. There are too many unconverted growth. Without this the largest cabministers. Their hearts have never been growth, without this the largest cabchanged by the grace of God. A mere in-bage will split open and will soon spoil, tellectual ministry is the deadest failure this side of perdition. Alsa Managing Swarms.

Knox, who, when his wife neard nim pray-termed, are the cream of the colors, ing in the cold night in another room, and and are more valuable than the parent said to him, "How can you endanger your stock they issue from.

life praying there in the cold when you stock they issue from.

life praying there in the cold when you stock they issue from.

low can I sleep when my country is not surplus honey than any other, and in saved? Lord God give me Scotland or I every respect keep in the lead through-the collection.

COVER FOR TOMATO VINES.

Vines. Place the covers over these, letting the edges extend to the ground. where they must be fastened so that

ders will be out. There will be the thunder ter. There is a wide difference beof the tumbling rocks. There will be tween first and second swarms from
the thunder of the bursting graves.
There will be the thunder of the descending charlots. There will be the Second swarms are accompanied by
thunder of the parting heavens. Boomla young queen, and one that is not ferBoom! But all that din and uproar and tile, and she takes the chances of fercrash will find us anaffrighted, and will
leave us undismayed, if we have made tilization after beginning housekeepChrist our confidence, and, as after an ing, and as this requires her to take
August shower when the whole heavens wing away from the hive, she stands
have been an unlimbered battery cannonading the earth, the fields are more green, one chance out of ten of becoming lost,
and the sunrise is the more radiant, and the and if so, the colony will do no good
waters are the more opaline, so the thun whatever of its own account. as they waters are the more opaline, so the thun, whatever of its own account, as they ders of the last day will make the trees of have no brood from which to raise life appear more emerald, and the jasper of the wall more crimson, and the sapphire another.

and Thirty Nationalities.

mighty thunderings!"

What is perhaps the most cosmopolitan tain their time of maturity by the adtown in the United States, if not in the vancement of construction. The cells world, is the little city of Red Jacket, will be sealed over about the eighth Houghton County, Mich. The town is unday, and at this time the swarm is like shafts, drifts, cross-cuts, levels and due.

slopes. Each twenty-four hours sees a Second swarms will issue eight days fortune brought to surface in this little thereafter, at which time the young mining town. The adult foreign residents queens will hatch. If we desire the

MANY BURIED ALIVE.

Be Offered in Italy.

reports on the subject.

Prizes will be offered for the best solu-Fireside. tion of the problem, and the Consul says inestimable good to the cause will result if the people of the United States interest themselves in it.

CUT HIS CORN AT NICHT. Pennsylvania Farmers Pleasantly Surprise a Sick Neighbor.

Washington Sands, of East Robeson, Berks County, was the most surprised farmer in Pennsylvania the other morning. Mr. Sands has been in ill health for some time, and in consequence his farm work has not been attended to as it should have been. His corn, in an immense field, being over ripe, required speedy shocking, but farm labor is scarce and this work was

All day Friday Mr. Sands worked as hard as his poor health permitted, and quit very tired that night. After the moon had risen about thirty neighbors gathered in his corn field and industriously worked until after midnight, when the corn was all in shocks. Next morning, when Mr. Sands went to the field, he was astonished to find his task

Georgia's Prosperous G. A. R. Colony. -

In 1895 a number of Indiana Grand Army men resolved to colonize in Irwin County, Georgia, upon the spot where Jefferson Davis was arrested as he was trying to escape. They founded the town of Fitzgerald. Within two years they have grown so strong that they are now moving the county site from its old place, Irwinville, to Fitzgerald,

Series of Shocking Crimes.

proved to such an extent that whereas week of two later by the young of lambs in any quarty could be bought a gray ones. Dr. Richardson is authoryear ago at seventy-five cents a head, ity for the statement that they breed they command now \$1.50 a head, and head in the barren grounds of Arctic American solid all winter. ers are not anxious to sell at that price.



Management of Late Cabbage.

tellectual ministry is the deadest failure this side of perdition. Alas Managing Swarms.

for the gospel of icicles! From apol- Swarming is always a sure sign of ogetics, and hermeneutics and dogmatics, prosperity in the apiary, and is at good Lord deliver us! They are trying to tended with profit if given good atget their power from transcendental theology, or from profound exegesis, or fromtention. The first swarms that issue the art of splitting hairs between north and are always the best bees, as they are northwest side, instead of getting their usually strong in numbers, and they power from the secret place of thunder, usually strong in numbers, and they want the power a man gets when he is contain the old queen, which is the alone, the door locked, on his knees, at principal object, as she is already fermidnight, with such a burden of souls uptile and will begin laying as soon as on him that makes him cry out, first in they are ready to begin housekeeping, lamentation and then in raptures. We want the pare ready to begin housekeeping something of the consecration of John First, or "Prime" swarms, as they are Knox, who, when his wife heard him pray-termed, are the cream of the colony, ing in the cold night in another room, and and are more valuable than the parent

Dear brethren and sisters in Christ, our out the season, and the only objection opportunity for usefulness will soon beto them is that, as they always congone, and we shall have our faces uplifted tain the oldest queens, sometimes the to the throne of judgment, before which we must give account. That day there will be queen is too old to successfully carry no secret place of thunder, for all the thunder too. There will be out. ders will be out. There will be the thunder ter. There is a wide difference be-

the wall more crimson, and the sapphire another.
seas the more shimmering and the sunrise Since exploring the interior of a
of eternal gladness the more empurpled bee-hive we are no more at a loss to
The thunders of dissolving nature will be know when to expect swarms. The
followed by a celestial psalmody, the sound know when to expect swarms. The
of which lit. John on Patmos described, weather being favorable, we can tell
when hesaid, "I heard a voice like voice of to a certainty the day, and almost the hour they are likely to issue. Bees begin to construct queen cells eight does not really pay to raise cabbage TRULY A COSMOPOLITAN TOWN. days previous to swarming. and at for feeding purposes, but a little extra Red Jacket, Mich., With 8000 Population any time during this period we make discovery of these cells, we can ascer-

of the town outnumber the native-born queens will hatch. If we desire the more than a hundred to one.

Red Jacket, the town proper, has a popu- again after the first swarm has come lation of 8000, including no less than thirty off, we can prevent it by taking out different nationalities, represented as follows: Americans, Welsh, French, German, all but one cell, or take all the cells English, Italian, Austrian, Russian, Scotch, out, and introduce a queen. It will Finlanders, Polish, Hungarian, Irish, be seen that the cause of second Arabians, Greeks, Swedes, Danes, Norwejans, Swiss, Africans, Brazilians, Belgians, swarms in the surplus of young queens, Dutch, Jews, Spaniards, Turks, Persians, and to deprive them of these, will prechinese, Mexicans and Moors. colony to swarm but once, and not

Swarms when not interfered with, will usually settle and hang in Prizes For a Solution of the Problem to ter near their hive for several hours before leaving. It is only a rare ex-The subject of premature burial is just ception that they go directly away, The subject of premature and that is a subject of them, but now attracting great interest in Italy, ac- and it is best not to molest them, but cording to a report of United States Con- simply keep in sight of them until they sul Mantius, at Turin.

He says that realizing that there is at pressettle, and when well settled get them ent no infallible test that may be applied in the swarming box and take them to prevent the horritying cases of persons the hive. For arresting swarms a litburied alive, a number of prominent physical terms and laymen are at work preparing the best, but it is necessary unless the reports on the subject. These will be made the striking feature swarm takes wing the second time, and of the Medical Department of the National then it is but a small per cent. that Exposition next April at Turin. Reports can be induced to settle again with any of a similar kind are expected from all over kind of prevention.—Farm, Field and the world.

The Snow Goose.

Snow geese are excedingly graceful and beautiful birds, of about twentyeight inches in length. They are sometimes known as White Brant and



Irom its old place, Irwinville, to Fitzgerald.

The assessed valuation of the county in 1895 was something more than \$1,000,000, Blue Winged Geese. Their range is which has been increased in the last two very extensive. They have been noted years to nearly \$3,000,000.

in Texas, are abundant on the Columin Texas, are abundant on the Columbia River, and Audubon notes that he has seen them in every part of the Gustave Muller surrendered himself to United States which he has visited. Gustave Muller surrendered himself to United States which he has visited. the police of Rotterdam, Holland, confess. The young geese are gray. At what ing the murder of his wife and child. As The young geese are gray. At what proof of the truth of his confession he pro-period they become white is not defduced from his pocket four human ears, initely known. One that had been and the police on searching his house captured while young remained gray found two bodies. Muller subsequently confessed that he had also killed his par-for six years, when in two months' ents, and fourteen wives whom he had time it grew to be a pure white. Every married in various parts of the world. spring these birds migrate to the

ica. The young are able to fly in August, and by the middle of September they have departed for the South. They mainly feed on rushes insects and berries, and in turn are very excellent eating themselves, but are rarely domesticated .- New Lighard Homestead.

Protecting Tomatoes From Frost.

By exercising a little extra care, the season for ripe tomatoes may be prolonged for two or three weeks beyond the usual period. As soon as there are indications of frost, cover the tomatoes in the evening with some kind of canvass or old blanket. Between the rows of tomatoes drive sticks about four feet apart and nail strips of boards on the top at the height of the tomato



the wind will not blow them off. Leave no opening or the frost will get in. I prefer a heavy cover made of blankets, as this will often protect the vines when light canvass will fail. If the work is carefully done the tomatoes will stand a great deal of cold weather. -Lewis O'Fallow, in American Agri-

Cabbage.

The cabbage does not rank high in nutritive food value, consisting as it does almost wholly of woody fiber and water. Yet it has an important place among the vegetables handled by the grocers and in the home vegetable garden, for the housewife would hardly know how to arrange her winter menus without including it. Moreover, it is to the interest of the farmer to give a space in the garden or cornfield to cabbage, for any surplus not made use of in the house is very acceptable to the stock, and greedily eaten by it. It supply needn't be wasted.

The most inexpensive way of raising cabbage for the home demand, and one that is at the same time the least troublesome, is to take it out of the garden and plant among the potatoes in the cornfield. Simply sow the seed where the cabbage is to grow, and avoid all the trouble of transplanting, watering, etc., which are important factors in farm work and apt to prevent the cabbage patch from attaining adequate dimensions. The average man dislikes to break his back over a few cabbage plants, and the task is apt to devolve on the women, who, of course, haven't backs to break. The crop will not be as early, but there will likely be plenty of it, which is a compensation.

The seed may be sown when the corn is planted, or earlier if desirable; later also if more convenient. Sow in hills, same as corn or potatoes.

Eighteen inches or two feet is the proper distance in the garden, where space is to be economized. The cab-bage will of course receive the same cultivation as the other crop, and very little hand work will be necessary as the cultivator will keep the weeds

For the ordinary grower, or the man who merely grows a home supply, it is not pecessary to bother about early and late varieties. A quick-growing variety may be sown the last of June or even, with a little coaxing, the first of July, and make good heads. Or seed of an early sort sown late answers

every purpose of a late variety.

The cabbage worm and the flea beetle are the chief insect pests of the cabbage, though aphides or plant lice sometimes attack the heads and prove troublesome. For the flea beetle, which works on the young plants, a dusting of fine road dust, or Scotch snuff, is effective. The worm is a more troublesome foe, and years when it abounds one might as well sur onder the cabbage patch. The best 1 nedy is sprinkling (spraying) with paris green in solution before heading begins. Afterwards, of course, it should not be employed. Sometimes the butterflies can be trapped early in the season, thus diminishing the supply.

The cabbage prefers a rich soil, generously supplied with mauure. By gratifying its preference we get mammoth heads, but invoke a danger. It is awfully aggravating to have the heads fill up and keep on growing till they burst and turn themselves inside out, being then of no earthly use. The usual remedy advised for this is twisting or loosening the roots, the idea being that the plant devotes itself to repairing the damage done to its root system, and the head stops enlarging. But in actual practice this often fails, and I have come to the conclusion that when the bursting has once begun there is no use trying to stop it, and the only way to save the head is to pull it up and feed it to the hens, cows or sheep. The safest and surest way is to take the heads in charge before the bursting begins, and North, and it is a curious fact that the as soon as they are solid and full tip Sheep raising Booming.

old, white birds go first, followed a them to one side, or loosen the roots storyed to such an extent that whereas week or two later by the young or by twisting the roots a little. This

Though Trowbridge wrote this year that electromagnectic waves could not be detected more than one hundred feet from their source, Marconi's wireless telegraph has already sent signals eight miles. Veneer cutting has reached such perfection that a single elephant's tusk

are only about a fiftieth of an inch

A yellow or orange-yellow coloration of glass is found by M. Lemal to take place when the glass is heated to 550 degrees or 600 degrees C. in contact with any salt of silver. Glass into whose composition salt has entered is especially susceptible of coloring in this manner. Experiments have lately been car-

POPULAR SCIENCE. English scientists declare that the chewing of gum is a solace for grief.

The light-giving power of acetylene

has been accurately measured, and is

found to be twenty-one times that of

ordinary gas, under the same pressure.

thirty inches long is now cut in London into a sheet of ivory 150 inches

long and twenty inches wide, and

some sheets of rosewood and mahogany

ried on at the Paris Academy of Sciences with a view of ascertaining the influence exercised on the human voice by giving the singer electrical treatment. As the result, Dr. Moutier has established the fact that the influence is a beneficial one, the voice gaining both in amplitude and quality and being less subject to fatigue.

The observations of Professor Goluboff, of Moscow, have convinced him that appendicitis is not only a contagious disease, but that it sometimes occurs in epidemics. It was unusually prevalent in Moscow last year. To illustrate, Professor Goluboff mentions that in a small boarding school, where in several years there had not been a single case of appendicitis, he treated seven cases within two months.

It appears from the experiments of a French scientific man that oak trees are in more danger than other trees of being strnck by lightning. Beeches, on the contrary, are not good conductors of electricity. The danger of trees from lightning is great in proportion to the electrical conductibility of their wood. Dead trees and dead wood generally form a much better con ductor than living growing wood, which offers great resistance.

Superstitious Turks.

Some of the Turkish superstitions are of the most extraordinary nature. For instance, if by any chance a spar row or swallow flies in at the win and circles three times around the room it is a sign that a blood relat of some one present is about to die. There are many signs and happenings that are supposed to predict marriage.

When in summer a bee flies in at the window it is regarded as a harbinger of good news, as is also a this-tledown or a beetle. A moth at night flying about a light means thoughts and good wishes from immortals; the unexpected braying of a donkey, visit from an unpleasant acquaintance If a man leaves his home for busine and walks along the street and a bird alights exactly in front of him three times, he turns on his heel and go home, and no power short of an perial firman will make him pass the place again that day, for he is surthat if he attempts to do so someti unpleasant will happen to him. dog running three times across his path will also turn him back.

When a Turk is starting out on important venture he will say to him-self: "The issue will be as I desire it if the first three persons I meet have blue eyes." Blue eyes being far less common than black, he takes the chances, and sometimes sees three blue-eyed ones first. Augury is also made from the forms of the clouds and by the entrails of fish, animals and fowls, from orange pits and the odd and even number of divisions in the pulp. If a red orange be peeled by accident the person feels great pleasure, as that betokens prosperity and gold.

The Pig Deer.

Among the more recent and important arrivals at the Zoo are two young babirussas, presented by the Duke of Bedford—comparatively rare animals, and the only examples seen at the Zoo for about fifteen years. The word babirussa means pig deer, and the animal has been so called by the Malays on account of the remarkable development of the tusks of the males, where emerge close together near the middle of the face and sweep with a strong curve backward, frequently attaining a very great length. The tusks of the lower jaw arise like those of the boar. What the male babirussa needs the upper pair for is a point which nobody apparently can satisfactorily settle.

Another peculiarity of the animal is that it falls short of the number of teeth usually possessed by the ordinary pig, having only thirty-four in all, a fact which indicates that it must be directly descended from one of the extinct genera of pigs marked by a similar type of dentition. In other respects the babirussa is not very different from other wild swine. It is a splendid swimmer, has a somewhat lighter gallop than that of the wild boar, and when hunted will fight gamely and ferociously to the last .-London Graphic.

High Price For a Book.

The highest price ever paid for a single volume was tendered by a number of wealthy Hebrew merchants of Venice to Pope Julius II. for a very ancient Hebrew Bible. It was believed to be an original copy of the Septuagent version of the Scriptures, translated from the Hebrew in Greek in 277 B. C. The sum mentioned to Julius was \$600,000, but the Pope declined the offer.