CONDUCTED BY PROF. HENRY G. BELL The object of this department is to place at the sereice of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops, Address all questions to Professor Henry G. Bell, In eare of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order in which they are received. When writing kindly mention this paper. As space is limited it is advisable where immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct.

R. H. R .: I have a field on which I use lime. Speaking generally, lime intend to sow sweet clover. It has not does not benefit the production of cane had fertilizer of any kind on it for fruits. years and has become run down; there Market gardeners should use high is a crop of hay on it now. Had a light grade fertilizers. Many gardeners are erop of fall wheat on it last year; land obtaining good results from using days. is light loamy clay. What kind of 1,000 to 2,000 lbs. per acre of fertilizer fertilizer and how much to the acre analyzing from 4 to 5 per cent. amshould I use? I intend to sow this monia, 8 per cent. phosphoric acid, after the hay is taken off. I would cut and 4 to 10 per cent. potash.

rising clover in getting a foothold. in the spring. Have the land fall-Be sure to work the fertilizer into the soil thoroughly. Applying it through the fert lizer grain drill will give it and lime (not mixed, but applied septembers). Work this into the soil by best application. As soon as you have a solution and lime (not mixed, but applied septembers). Work this into the soil by reach of his busy fingers. He now here the land fall-pleased. He will coo when he is happy. About the sixth month a baby can should be weighed at least once a month. The average baby weighs a little pleased of his busy fingers. He now here the land I would advise your arrest distributions. fertilizer. The lime will sweeten the cent. ammonia, 8 per cent. phosphoric soil and make conditions right for the acid, and 3 per cent. potash. This

H. L .- I have two acres of sandy to invigorate the growth of the soil that was sown to alfalfa last year alfalfa. and only a small part of it caught. I O. B .: - My chickens are dying off. dragged and sowed it to rye. What What is the cause and cure? should I do to get it meded? Could I Answer:-You do not describe the sow it to alfalfa with the rye and cut symptoms. Send full description to Poultry Department, Ontario Agri-

the rye for hay? Answer:-You might have sown the cultural College, Guelph. alfalfa seed and the rye very early last spring. However, since you did not do this, I would advise you to cut the rye for hay, plow the ground immediately and apply lime or limestone mer by raking, as this often tears the broadcast, about 1,000 to 2,000 lbs. to roots and removes the mulch which disking and harrowing, then sow fall ture. It is best to mow the lawn often wheat at the rate of 1 bushel per acre. enough so that raking will not be young baby. Sow alfalfa seed at the rate of 15 to necessary. Then the fine clippings 20 lbs. per acre. When seeding I fall around the grass plants and help would advise you to apply 250 to 300 to keep them from baking during the makes very little difference to the Ibs, per acre analyzing about 3 per hot summer, cent. ammonia, 8 per cent. phosphoric When fertility is needed on a lawn a young baby. A pound or two loss seid, and 3 per cent. potash so as to we have found that fine dry poultry means as much to the baby as ten or

F. H .: I get out some plum and growth. This manure soon works into body weight. cherry trees, raspberry and currants the soil and gives no offensive odor on my place, and every year they are and there is nothing to be raked off full of blossoms and small fruit, but as is the case when heavy clumps of drep off before they are near ripe. I barnyard manure are placed on a lawn. think it is on account of not spraying. If a lawn is sprinkled a few times Will you please advise me how to take during hot weather it is necessary to preper care of them? My soil is black keep up the sprinkling or the lawn sandy loam, but my crops are not will be ruined. The watering causes good. Do you think lime would be of the roots to work near the surface to any benefit? If so, would common lime obtain the small amount of moisture that the plasterers use be right? | furnished by the sprinkling. And then What is the best fertilizer to use for if it is stopped they are more or less

truck farming? P cannot get manure. helpless in obtaining the soil moisture Answer:-Evidently the trouble is deeper down. one of soil fertility. Would recommend During the summer it costs money eent. ammon'a, 10 to 12 per cent. er is kept thoroughly oiled and very phosphoric acid, and 1 to 2 per cent. sharp. We have been able to do a potash. Scatter this fertilizer around foich good ich and ich an potash. Scatter this fertilizer around fairly good job of mower sharpening priest, who cast the sacred lot. The and were immediately but to death by the trees about as far from the trunks with a file. It is not as good as havas the branches reach. Work it thorone the soil and you should be and something into the soil and you should be and something into the soil and you should be and something into the soil and you should be oughly into the soil and you should does improve the cutting edges and a pocket of which two small objects now here fruit. The chiefe of all the see good results next year. For the helps the machine to do a smooth job of wood or stone were kept. These tribes came to him at Habren and the tribes came to raspherry canes and currants I would of trimming. advise the same fertilizer application ever sort healthy and well fed. Do not you the way.

YOUR BABY

series of instructive articles constituting, when completed, an entire course on baby hygiene and care of the child up to six or seven years old. Mothers are urged to read the articles as published, and cut them out for future reference. The information has been prepared by physicians who have made

The first month the hands move loss of weight reaches a pound or aimlessly about. During the second two, always lessens the baby's chances month he learns to put his hand to his, of prompt recovery.

plowed the land, I would advise you careful disking and harrowing. Be him to be sociable and will true to to sow broadcast on the furrows 1,000 sure that the seedbed is smooth and to 1,500 lbs. per acre of finely ground mellow. When seeding, sow about 15 From the seventh month to the right into the

soil by disking and harrowing at least apply at seeding time from 250 to 300 efforts to stand. He likes to imitate growth that a baby must have the attention shown him.

soluble plant food will do a great deal month he learns to stand and from the twelfth to the sixteenth month | A baby may weigh more or less and learns to walk. He develops a sense still be entirely normal. of desire to please and this leads to obedience. Sometimes at the twelfth month he can say a few words.

simply follows his instincts. An older End of 1 week, 7 lbs. person must keep him from harm and End of 2 weeks, 7 lbs 6 oz. show him gently how to do the right End of 3 weeks, 7 lbs. 14 oz. things until he learns for himself. End of 4 weeks, 8 lbs. 6 oz. As improper feeding is one of the End of 5 weeks, 8 lbs. to 8 lbs. 14 oz. chief causes of a child's failing to de- End of 6 weeks, 9 lbs. to 9 lbs. 6 oz. Work this in carefully by should remain to help hold the mois- velop properly, too close attention can- End of 7 weeks, 9 lbs. 8 oz. to 9 lbs.

Weigh Your Baby. End of 10 weeks, 10 lbs. 6 oz. to 10 The loss of a pound or two of weight



THE SUNDAY SCHOOL LESSON JULY 25TH.

David Succeeds Saul as King, 2 Sam., 2: 1-7; 5: 1-5. Golden Text-

that when the lot was cast one would fered him the kingdom. They recalled give an affirmative, the other a nega-Certainly it would be well to spray

You need never fear the man who tive, answer. The first one drawn by the fruit. Best results always come tells you to go to perdition, but look the priest was regarded as giving the by which it had been declared that he from the keeping the crops of what- out for the fellow who starts to show answer of God to the question asked. the ephod, had the authority to con-sult the divine oracle in this way, and Thou Abiathar performed this service for

> Unto Hebron, This was the chief city twenty miles south of Jerusalem.

follow the house of Saul, and a son the king (I Sam. 10: 25.)

The Men of Jabesh-Gilead. It was had made advancement by his own this town that Saul relieved at the beginning of his reign, when it was be- leader of men, and not through insieged by the Ammonites (I Sam. 2), trigue, treachers, or disloyalty. David and the people did not forget him in already displayed those qualities of the time of his defeat and death. See I Sam. 31: 11-12. David now shows heartedness which endeared him to the his magnanimity as well as his genuine affection for Saul and Jonathan by sending his thanks and his prayer The testimony of Psalm 18 to his pur-for the blessing of God upon them. No doubt he would have liked also to win this connection. them over to his side, that they might ecknowledge him as the rightful suc-

5: 1-5. Then Came All the Tribes

Financial Notes

in Porcupine and Kirkland Lake dis- originally purchased in Cuba by Engtricts in the past six years, mining lish merchants, sold to Canadian concompanies have produced approximately \$254,001,586. These figures

hay early.

Answer:—I would advise you to seed alfalfa? How should land be what is held before him and will try would advise you to seed alfalfa? How should land be what is held before him and will try would advise you to seed alfalfa? How should land be what is held before him and will try would advise you to seed alfalfa? How should land be what is held before him and will try would advise you to seed alfalfa? to sit up. He should not be allowed he has become ill. For these reasons demand sufficient to put shoe fac-

ditions where 80 per cent. of capacity can produce all the needed footwear. Chicago-The monthly customs report shows that during the month of Cobalt in 1903 and the finding of gold rived here from Canada. It was

Canada has 373 different kinds



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I have Cows. B6

CAN A BOY BE RELIGIOUS?

A well-known educator has said,

The Provincial Paper Mills, Ltd., has forwarded notice to the sharebolders that the stack stack and share well-known educator has said,
that when God made man, He made the world significant, but when He Serious damage estimated at at holders that the stock certificates of The old idea that children must cease least \$100,000 to the Niagara Peninsula fruit eron resulted from severe sula fruit crop resulted from severe which swent requesting the certificates of the Pro-If a baby fails to gain in weight for wind, rain and hail storm which swept everal weeks, or loses a pound or over the peninsula Saturday afternoon. At birth a baby's head is larger in reportion to his body than is an two, it becomes noticeable. But the While the storm lasted only forty minproportion to his body than is an two, it becomes noticeable. But the weeks, the abdomen is big. The average daily gain in weight for the utes, damage was very severe in the additional to be sent in to be exchanged. The passing away. When a little passing away is little passing away. When a little passing away is little passing away. When a little passing away is little passing away. When a little passing away is little passing away. When a little passing away is little passing away is little passing away. When a little passing away is little passing away is little passing away. When a little passing away is little passing away is little passing away. When a little passing away is little passing away is little passing away. When a little passing away is adult's. The abdomen is big. The arms and legs are short and the legs are slightly bowed.

While the storm lasted only forty minutwo, at becomes nonceable. But the utes, damage was very severe in the utes, damage was very severe in the utes, damage was very severe in the shares are settled for at \$50, being at shares are settled for at \$50, being at the fruit being estimated ruined.

Niagara Falls district, two-thirds of the fruit being estimated ruined. Canadian National Railways' gross It is stated that arrangements will by being a Christian. She replied, "It sense of contact and temperature— quired number of cunces for even one that is, he knows when he is being world it means that there is contact and temperature— quired number of cunces for even one ing June 30th totalled \$2.471.419, as r once. To delay until baby has lost weight for several weeks, or until the Roston. The president of the Brock-Boston—The president of the Brock-on Shoe Manufacturers' Association on a lot of 725 shares. Brew., 150x67 One night a little boy sat under a ton Shoe Manufacturers' Association on a lot of 725 snares. Brew., 150x01 tree in his father's pasture. He looksays the real peak of shoe prices has 300x1091/6—109; M. Power, 300x84; ed up and saw the stars and wondered been passed and that competition will S. River, 825x106—1/4; Que. Rails, what they were. He had religious in control by heing about a reduction in S. River, 825x106—1/4; Que. Rails, what they were. It is very much easier to keep a newitably bring about a reduction in 10x28½; Sugar pfd., 50x157; Pen., parents, and he made up his mind that young baby well and gaining steadily. Section 2 feet to be regarded During the third and fourth months baby well and gaining steadily footwear prices, a fact to be regarded 75x131½; Braz., 75x43; Abit., 25x those bright stars were the hearthto the angels, so that they might know that down on the earth there was a little boy who was thinking about them. In other words, children are religious. The sense of the spiritual is there, and is ready for development. A child's whole attitude toward life is one of simple faith, and he was made the ideal of all faith, by the Master of men. "Except ye become as little children, ye shall in

no wise enter the kingdom of heaven." A little girl was accustomed to fix the chairs in rows in the dining room, and play they were heathen, and she was a missionary. She became Ars. Mary Porter Gamewell, and her husband was the missionary who managed and organized the defence of Peking, during the Boxer Rebellion in 1900. Children understand that there is a contest between good and evil in their own hearts. They know what temptation is. One night two boys went into a house that was about half built, and took some nails. They put the nails in a safe place and went to bed. But they could not sleep. They had been known to "coon" apples and plums occasionally, but some way this taking of nails seemed different. That wasn't cooning. That was stealing. Then those two boys got up, went to the barn, got the nails and took them back, and went to bed with clear consciences. If some business men who are drawing big dividends on watered stock, and cutting a "melon" now and then, had as clear an idea of right and wrong as these boys had-well, many things would be different. One day a tiny lad tip-toed into the room where his sick mother lay, and took two oranges. He thought she was asleep, but she saw what he did. He had never done anything like that before, and she said nothing, wondering what he would do with his booty. By and by she saw him tip-toe back into the room and place the oranges on the table. As he went out, she heard him mutter to himself, "That's where you got left, old devil."

Children respond to religious teaching. When the foundation of faith has been laid in childhood the building reared on it is likely to stand. Some authorities go so far as to say that there are no adult conversion; where there has been no training in early life. Polycarp, one of the early martyrs became a Christian at nine. Jonathan Edwards united with the church at seven. Isaac Watts, the hymn writer, was converted at seven, Bishop Mc-Cabe at eight, while thousands cannot remember the time when they did not love God. Investigation shows that ninety-eight per cent. of drinking men got the appetite before they were nineteen, while crime is more and more a matter of youth. Therefore, it is well to heed the words of the wise man of old. "Remember now the Creator in the days of thy youth." A father once undertook to educate his son, almost from the cradle. He used educative games with the child when he was a year old. He began taking him to university lectures at the age of four, and when ten the lad was prepared to enter the university. At fourteen this youthful scholar had graduated and was on the road to usefulness as a scientist. A few years ago he died, at the age of eighty-six, and was known over the world as Lord Kelvin. What is possible in education is also possible in religion. We are told in the Good Book of Josiah that, "while he was yet young, he began to seek after the God of David his father." Hannah trained Samuel in religious things from infancy, and he became the guide and leader of his people. And of Christ we read that he "advanced in wisdom and in stature, and in favor with God and men."

Sheep will ruin a haystack if then are permitted to run up close an est of it. I remember seeing one strawstack that had been underm this way. It toppled over and buried a good sheep. It would have cost less to build a good fence about the stack

Nail the flag to the plow; Your children and wife Must be saved from starvation While the world is in strife. Your duty is plain: Your mission is grand;

drinking sake, "hana," a flower

> in schools and factories to Celebrating Cherry The centres of greates.

noor, prince and peasa

CHERRY BLOSSO

A SIGHT UNEQUAL

Revered as National

Representing the Pe

The scene in Japan in ch

any other country, writes

All Western countries h

wealth of orchard blossom

spring, but in Japan it is all

ent. Here the streets of t

ethereal light. All squares

TIME IN J

OTHER LAND

n cherry bloszom time an narks, like Uveno, and alo bank at places of note, like where crewds have gone f to behold the blossoms at s as through a tunnel a To witness the endless children in the c cimones, playing under a scene never to be for day's rake drinting begin taggering of the'r families. ed and walls west on the tramears

is no fighting as a rule, b Imperial Garden In the midst of the co season the Emperor g garden party on the gr of the detached palace where more than 2,900 princes of the blood, w semble at 2 p.m. to majesties and to partale ous feast, after which blossoms, which, indea

chile around and above In Japan the chrysar rarded as the occen of the imperial creat, but t som is revered as the t representing the people a descration on the J. centuries the samurai pered to the charry ld be seen from the ancie or proverb, which re cherry is first among bushi is first among ma that as the cherry is re the time comes and back when the time of samurai ready for da means life or death; b Thus has the been colchrated in Jan since the dawn of the One of the most famo is on the namely, the waka ve which may be done in

"If any would kno Japan, let him gaze of the mountain cherr ---

Some Excellent by the Late ! There are only two Those who practice

and those who pract Women can fool a Success is attribu asm, constitutional et ness for the day's W One of the first es ing a good-natured

to expect too much among whom you du We forget that th value of a nation neither the bushel n

So truly as a yo unmarried, in a cer

He who pursues make sure that he is The man who goe Fortune, is more knock at his door.



that is, he knows when he is being week, it means that there is something held, and he can appreciate heat or the something that is, and he can appreciate heat or the something that is shortly be made to have the securities and temperature—quired number of cunces for even one ing June 30th totalled \$2,471,419, as of the Whalen Pulp and Paper Mills of the Whalen Pu hear during the first three or four once. To delay until baby has lost saled \$45,564,824 against change. Spanish River preferred was up 2 before you will get a better definition that the first three or four once. To delay until baby has lost \$41,485,782, an increase of \$4,078,952. cold. He learns to see light and to ever it is, it should be remedied at of \$659,581. For the year to date change.

mouth and tries to lift his head.

Answer:—I would advise you to seed affairs? How should land be what is held before him and will try weight, or to get him well again once every point of view." He expects no apply about 300 lbs. per acre of a prepared? I have a field now in wheat, to do so unless he is supported. About a mother should weigh the young baby tories on full time this summer and and 2 to 3 per cent. potash. This Answer:—Speaking generally, the fertilizer will materially help the upbest time to sow alfalfa in Ontario is is and develops a will of his own, which and after that at least every two

From the ninth month to the twelfth

A baby has no moral sense of knowl- a table. edge of what is right or wrong. He Normal baby should weigh: Lawns are injured during the sum-

Summer Care of Lawns.

adult, but it is a serious matter for End of 11 weeks, 10 lbs. 10 oz. to 11 feed the young clover plants and give manure lightly scattered over the fifteen pounds does to the adult, for grass will soon stimulate a rich green it is 10 per cent, or more of his total should gain on an average of four

83: 9: 39) at Mahauaim in Gilead east about 1003, or 1002 B.C. of Jordan. Most of the country west of Jordan and north of Judah was in

the hands of the Philistines.

tween them and David, so long as Ish- chops in the pen, and bre bosheth, Saul's son lived. A battle had for the meat you like so

been fought at Gibeon, about six miles north-west of Jerusalem, in which David's men were victorious, but Asabel, a younger brother of Joab and Abishai, and a nephew of David was slain by Abner. David continued to grow in strength, and his rival to become weaker. The crisis of the conflict came when Ish-bosheth gave mortal offence to Abner, the commander of his army. Abner went over to David, and used all his great influence to bring the men of Israel with him. But he fell a victim to the vengeance of Joab, whose brother he armies of Saul against the Philistines.

The following table of weights and

measures represents the average baby.

The regular increase in weight is of

more importance than conforming to

End of 8 weeks, 9 lbs. 14 oz. to 10 lbs.

End of 9 weeks, 10 lbs. to 10 lbs. 8 oz.

End of 12 weeks, 11 lbs. to 12 lbs.

After the twelfth week the baby

lbs. 14 oz.

Thou Shalt Feed My People Israel. it is probable that David's friend They compare the king to a shepherd,

a comparison often made by the prophets and poets of later times. David made a league, or covenant, with them, of Judah, and was situated about by which, no doubt, he guaranteed to them the preservation of their ancient They Anointed David King. The men laws and liberties. So Samuel, at the of Judah acted for themselves alone, accession of Saul, had "told the people desiring no doubt that the rest of the manner of the kingdom, and wrote Israel should join them, but not wait- it in a book" that the ancient rights ing to secure their consent. As a mat- of the people might be preserved ter of fact the other tribes chose to against any arbitrary use of power by

of Saul was made their king. For Forty Years. The dates now assignseven years the kingdom was thus di-ed to David's reign are about 1010 to vided. David reigned in Hebron and 970 B.C. The date of his becoming Ish-bosheth (or Ish-baal—I Chron. 8: king over all Israel was, therefore,

> And so the shepherd boy became king of all Israel. He had behaved himself wisely and blamelessly. He courage, integrity, and ability as a understanding, tactfulness, and large people, and joined to him so many men in unswerving loyalty and attachment.

If you want pork chops on your Israel. There had been strife be- table, see to it that you have pork