Jacob's Meeting With Esau.-Gen. 32: 3-33: 17.

Commentary .- I. Jacob's troubled conscience (32:3-23). Twenty years had failed to efface from Jacob's memory the wrongs he had done to his brother, and now that he was returning to his country and was about to meet Esau, he was in anxiety as to the outcome. Having received word from his messeng-ers, whom he had sent to his brother, that he was coming with four hundred men to meet him, he was in great dis-tress, fearing that Esau purposed to do him harm. He thought of Esau as coming in a great rage to kill him and his family, not sparing the women and chilfamily, not sparing the women and children. As a precaution, he separated his people and possessions into two bands, so that if one band should be attacked the other might escape. He then behimself to prayer and his prayer e first recorded in the scriptures. He pleaded God's promises to him per-sonally and to his fathers, and asked for protection from Esau. He accompanied his prayer by the best efforts of which he was capable. He sent a magnificent present to Esau. consisting of five distinct droves of animals with a space between so that the effect upon Esau between so that the effect upon Esau would be as great as possible. He sent his flocks and herds and his family across the Jabok, while he remained alone on the other side.

H. Wrestling in prever (32:24-32). Jacob was now at the greatest spiritual crisis of his life. He had received a vision of God at Bethel which had greatly the high says modified the current.

subdued him, and modified the current of his life, but here he was to become a conquered and changed man. This vas to be reached by a night of state was to be reached by a light of persistent wrestling, accompanied by a humiliating acknowledgement and a desperation of prayer that would not be denied. It was the angel of Jehovah with whom Jacob wrestled. It was he that brought Jacob to realize and give up his self-sufficiency and his wordly and questionable methods for working and questionable methods for working out God's purposes for him, and it was he that changed Jacob's name from "Supplanter" to "Prince of God." "God let him wrestle, to know all his strength and to find in the end that it is altogether 'weakness. At last a touch of the divine power breaks all Jacob's energy, and opens his eyes to see that he struggles not with man, but with God. It is a wonderous revelation that thus bursts upon his soul. It brings to thus bursts upon his soul. It brings to him at once a conviction of the divine mercy, as well as of divine power. Thus mercy, as well as of divine power. Thus he is made "confident in self-despair," and learns what every child of saving faith may know: that victory with God is had, not by wrestling against him, but a confident clinging to him. Then and thus he obtained the new and "Wieden"

III. A friendly meeting (33:1-17). 1. behold Esau came—The blessing had come just in time. The preparation and the emergency did not miss connections .Rachel-Jacob evi-2. handmaidsRachel—Jacob evidently arranged his companies accord ing to his special affection for each the handmaids least, for Rachel most.—Terry. 3. passed 'over before them—He took the lead so that he might, as far as possible, be a protection to his loved ones. bowed himself—This repetition of the act of humbly and deferentially bowing before Esau would show his desire to secure his favor. Ssau stik had hard feelings toward Jaob they vanished before the two bro thers came together. 4. Esau ran. etc. Five expressions are used in this verse to show the affection of Esau for Jacob. There is a striking contrast between this meeting and the parting of the brothers twenty years before. 5. God hath graciously given—Jacob is God hath graciously given-Jacob is ready to acknowledge God as the giver of the good that he possesses. 6. bow ed themselves—Gave a respectful greeting to Esau. 7. Joseph...Rachel— Rachel was the wife Jacob loved, and Joseph was his favorite son, God's plan have been for Jacob to have but one wife, but man's planning thwarted God's purpose.

meanest thou by all this drove.-With resonciliation completed and greetings over, an explanation of the munificent gift is demanded, to find grace in the sight of my Lord-In this statement Jacob confesses his past wrongs to his brother and acknowledges that reparation should be made. 9. I have enough, my brother—This magnanimous and affectionate statement of Eau shows that he was by no means heartless being that Jacob imagined Esau showed a kindly disposition that would naturally cause Jacob to feel still more humble and 10. receive my bresent due Esau for his past injustice toward him. A repentance that does not include confession and restitution where persons have been wronged, is of small stirred to its depths, and sin was devalue, as though I had seen the face of stroyed. God gave him a change of na-



and he had affected Esau to that extent that he was favorable toward Jacob. 11. my blessing-Jacob's changed condition of mind and heart would not permit him to be satisfied unless Esau received his gift, which he calls a "bless

ng."
12. I will go before thee Esau's affect to for his brother moved him to do all he could for him. He would keep him company and be a guide to him. 3. Children are tender, etc.—jisau and his four hundred men could proceed rapidly, but Jacob, with the women and children, must, of necessity, move slowly. 14. Softly—Gently, carefully. Unto my iord unto Seir—Jacob intended later to visit Esau at his home at Mount Scir. 15. Some of the folks that are with me

Esau desired to leave a guard with Jacob for his protection. What needeth it—There is no need. 16, 17. Esau returned to his place after this, and Jacol booths," where he provided shelters for himself and for his flocks and herds. succoth is later mentioned as a place east of the Jordan.

Questions.—Describe Jacob's arrival at

Padan-aram. What bargain did he make with Laban regarding Rachel? What other bargains did Jacob make with him? How long did he remain with Lahan What property had Jacob acquired? Why was Jacob troubled on his way from Padan-aram to Canaan? Describe the preparations he made for meeting Esau. Describe Jacob's night of prayer at Peniel. What did the change made in his name signify? How did Esau meet Jacob? What is said about the present which Jacob offered to Esau? What kindnesses did Esau show Jacob? Whi-ther did Esau go? Where did Jacob stop?

PRACTICAL SURVEY.

Topic-Misapprehensions corrected. . Jacob planned for protection.

II. God planned for reconciliation.

I. Jacob planned for protection. V acob found himself once more in Esau's ower, he trembled to think of the con Knowing that he had brough such difficulties upon himself intensified his agony of mind. Conscience accused him of his crime with vehemence. Jacob planned all in his power to avert his rother's wrath and concilitate his favor He made as favorable arrangements for his family as possible. He then had recourse to prayer. In the midst of his lumiliating confession to God, Jacob gratefully acknowledged the blessings he ad already received. His prayer though urgent was not presumptuous. Jacob was in the path of duty and besought God to make it a path of safety. He prayed with a full heart. To Laban, who had made a slave of him, Jacob vindicated himself, but to God he confessed his utter unworthiness. He urged the precious promises of God, for he lived n the expectation of the covenant bless ng. It was God's promise that fixed the course of his action. Jacob's example f prayer brings to view the human side prayer, when his mind was full of anxious thoughts and fears. Jacob had reached a crisis in his life's history and in his disposition. He was filled with remoise. He wanted to be lifted out of his weakness and made a new man, but e only looked at difficulties. objects than the preservation of himself and family must occupy his thoughts and inspire his prayer. Jacob was forth to meet Esau under the im-that there was no reason why he Jacob was geing not inherit the land, but his brother's wrath. He did not seem to discern the difference between inheriting the land as God's gift and as a reward of his own

t was God who laid hold on Jacob to prevent him from entering the land in ais prescribed way and with his nature as Jacob. He wanted to be set right with his brother. He learned that he must be right with God. The narrative sets before us the divine method of giv-ing relief to the soul. It shows that every successful struggle against sin of for attaiment in piety is due solely to divine help. Jacob's own troubled heart was the seat of difficulty. The personage with whom Jacob here wrestled is called "a man" and yet Jacob said, "I have seen God face to face, and my life s preserved." It was the same divine is preserved. It was the same divine personage who, appeared to him at Bethel. Jacob paid him divine homage and appealed to him for a blessing. When Jacob had been made to feel his own weakness, and ceased to rely on his own strength, he prevailed by the pure ly spiritual force of trustful, earnest prayer. His whole moral nature was

the Shoes No Turpentine God-God had blessed Jacob and Peniel | ture, an elevation of character, and wip ed away his reproach. The blessing which Jacob got from Isaac was obtain ed by fraud, but God's blessing was ob tained by faith as his free gift. Richest blessings resulted from his being face to face with God. His own character was changed before God and re conciliation was secured with men. He met his crisis and came forth a changed man, a prince of God, to be the principal founder of the national of the Is aelites. He became a spiritually mind ed man. On that memorable night his old and wretched past was replaced by a new character and a new hope. He was sent back in recollection over the years of his sinful life, and then for-

years of his sinful life, and then forward across the years in anticipation of fulfilled promises. He had the secret of true life interpreted to him as an attitude of supplication and submission, rather than of resistance. There was no prevailing with God until the spirit of resistance was destroyed, giving place to clinging and pleading. The night of wrestling was followed by a morning of happy reconciliation with his brother Esau. Each needed to be forgiven by the other. Jacob had received a new name, new spiritual power and a blessing, which full compensated for unexing, which full compensated for unex-plained mystery.—T. R. A.

Zam-Buk for the Children

Mothers Tell What It Did For Their Little Ones.

Thousands of mothers in Canada owe

Thousands of nothers in Canada owe a debt of gratitude to Zam-Buk.

Mrs. J. Quiding, of Ninette, Man., says: "My little boy was suffering very badly from a form of skin disease over his eye. I applied Zam-Buk to the affectcd part, and in a very short time the sores were healed."

Mrs. F. Miners, of 311 Suffolk street, Juelph, Ont., says: "My little daughter Lorinda (6) contracted a skin disease. This first broke out like tiny water blieters, afterwards taking the form of dry scabs. These would disappear for a short time, and then reappear worse than ever. We tried Zam-Buk, and perseverance with its use resulted in

All druggists and stores sell Zam Buk at 50c. box or post free from Zam-Buk Co., Toronto, upon receipt of price.



PIG FEEDING AS A SCIENCE.

In feeding pigs which are to be developed for feeding purposes less protein food should be given than in the case where the pigs are intended for market, According to experiments tried, pigs which are to be developed for breeding purposes should start with 5-10ths of a pound of digestible crude protein daily per 100 pounds live weight when two 55-100ths of a pound during about seven purposes should start with 5-10ths of a pound during the next four weeks, and then during the following seven or eight weeks they should be fed 5-10ths of a pound of digestible crude protein per 100 unds live weight daily. Following th there is another four weeks' period of reduction from 5-10ths of a pound to 35-100ths of a pound, and then another sevweeks' period of feeding 4-10ths of a pound. Thus the reduction continues till the hog reaches maturity at two years of age, when only about 2-10ths of a pound of digestible crude protein is necessary as a daily allowance per 100 pounds live weight.

PIG AT TWO MONTHS.

The market pig when it is two months old gets 6-10ths of a pound of digestible crude protein daily per 100 pounds live weight. This is gradually increased. Following this there is a reduction from 7-10ths to 6-10ths of a pound during four weeks' time. During the next seen weeks the pigs get 65-10ths of pound of digestible crude protein daily per 100 pounds live weight. This is re-duced to about 2-10ths of a pound during the next four weeks, at which point it remains constant till the pigs are in prime condition for market when eight mouths old.

Pigs that are to be developed for breeding purposes should have about 13 pounds live weight when they are two months old. This includes the water Smith, inspector of hospitals, in his

contained in the feeds used in the ration as well as the n-ter that is used as water This quantity of water is grad ally reduced, so that when the nig is months old it is getting 9 pounds of water daily per 100 pounds live we gitt Fol lowing this the amount of water in the ration should remain somewhere be-tween 8 and 10 pounds daily per 100 pounds live weight.

WATER FOR PIGS.

The amount of water ted to pigs that are grown and fattened for the market, starting with the pig when it is two months old and having it in prime con dition for market at eight months of age, decreases gradually from 12 pounds to 4 pounds of water daily per hundred pounds live weight. This, however, does not include the water contained in dry feeds. The satest data shows that this should be slightly modified, as follows: The amount of water at the beginning including that of the feeds. should be the same as that for pigs that are to be developed for breeding purposes, namely 13 pounds. But this should decrease to pounds at five and one-half months of age, and after this decrease to five pounds at eight months of age, with the piggin prime condition for market. Thus the decrease is not in a straight line, as previously, but the amount fed is relaively higher at about the middle of the feeding period. FEEDING CARBOHYDRATED FOOD.

The amount of carbohydrate fed to pigs that are being developed for breedpigs that are being developed to deter-ing purposes should be somewhat lower than is fed to market pigs, so as to pre-vent them from getting too fat. They should get approximately 2.2 pounds dur-ing the third to the sixth month, incluing the third to the sixth month, inclusive. Following this it should be decreased, so as to keep the pigs in the desired breeding, condition.

By using different feeds and different fee

quantities of the same feeds there are an infinite number of combinations that may be made, all of which may be good. If corn is not available, rye, bar ley and wheat rice, etc., may be used in stead. If soy beans are not at hand, oil meal may be substituted, or peas may be used, but the quantity must be increased, as the peas do not contain as much protein. This would also in-crease the carbohydrates; hence the corn would have to be-correspondingly decreased. Or these may be left out and more skim milk added. Some of the protein may also be supplied in the form of clover or alfalfa. If skim milk is not available, more of some other nitrogen ous feed may be supplied, and also more water, as milk is 85 to 90 per cent. wawater, as milk is 85 to 90 per cent. water. If tankage containing 60 per cent. protein is used in the place of soy beans, meal will much less suffice, as tankage

is richer in protein.

The above is intended for dry lot feeding. If pigs are on pasture these quantities should be somewhat reduced. It the ration is used in a dry lot, a little more bran or shorts used in place of part of the corn, so as to give the ration more bulk, will improve it. A greater variety of feeds will probably also make the ration better.

COMPULSORY EXERCISE FOR SOWS We claim that exercise constitutes nore than one-half the battle if strong litters are expected, and it should be renembered that the average sow will not of her own accord spend enough energy

to answer the purpose.

We believe in scattering feed for sows and there is no better place to do this than right out on the postures or in the bare feed lots. Shelled corn or grain of any kind may be used for this purpose. It is a mistake to feed sows a heavy ration in the morning and allow them to go right back to their sleeping quarters. If they are fed in troughs, they should be immediately turned out, so that they have no access whatever to strawy quar ters. Unless the weather is too they are far better off out on bare ground, where the comforts of life are so few that they will spend their time romping around and perchance in squealing. Anything to keep them going is better than to let them loaf in the yards

Under this plan many a man has been able year after year to raise strong litters, even though his sows have been fed on corn alone, while it is never difficult to find instances where balanced rations have been fed, only to find very por results follow in the production of weak litters

Compulsory exercise by brood sows should be the watchward of every swine breeder during the weeks that fol low between this period and farrowing

SHILOH COUCHS COLDS **OUR ORPHANS LOSE**

While the British-Born Get Comfortable Homes.

Toronto, April 14. The need of regulations that will put a stop to the keeping of children in the orphanage for years instead of putting them out for adoption

annual report.

"We are yearly providing in Canada comfortable homes for bundreds of children brought out from the orphanages of Great Britain, while keeping many of our native-born young Canadians housed up in our institutions," says the inspec-

"The majority of people taking old country children express a preference for the Canadian-born, but for some reason their wishes cannot be complied with. I am convinced that the fault lies ont nearly so much with the nearly so much with the nearly so much with the nearly in charge of our orphanages, but with the persons who commit mildren to these institutions with the expressed understanding that they must be kept there and not given out for adoption."

PENSION FOR WIDOWS The inspector also recommends that if ever an oldage pension scheme is adopted in Canada, there should be a widow's pension, which would obviate the necession. sity of sending many a fatherless child

eity of sending many a latherless could to an orphanage.

The general report shows that in the hospitals of the province 64,559 persons were under treatment during the year. The total expenditure for höspitals was \$2,330,295, of which \$530,470 was on expirated account. tel account.



TORONTO MARKETS

FARMERS' MARKET. Dressed hogs, heavy\$12 25 \$12 75 Butter, dairy Eggs, new laid

 Celery, doz
 0 50

 Cabbage, doz
 0 40

 Beef, forequarters, cwt
 8 00

 Do., hindquarters, cwt
 12 50

 Mutton, light, cwt..... 10 00 Veal, common, cwt. 9 00
Do., prime, cwt. 12 00 10 00 SUGAR MARKET. Sugars are quoted in Toronto, in bags, per cwt., as follows:

Extra granulated, St. Lawrence ... \$4 60

Do., Redpath's.
Do., Acadia
Imperial granulated. In barrels, 5c per cwt. more; car loss, LIVE STOCK.

Export cattle	(50	to	7	25
do do medium	1	50	to	6	25
do bulls	5	2 75	to		75
Butcher cattle, choice	. (5 50	to	7	00
do do medium	. (00	to	6	50
do do common	. 4	00	to	5	00
Butcher cows, choice	1	5 00	to'	5	75
do do medium	4	1 00	to	4	50
do do canners	:	3 50	to	4	OU
do bulls	5	3 00	to	5	25
Feeding steers		5 00	to	5	50
Stockers, choice	4	00	to	5	25
do light		3 00	to	3	50
Milkers, choice each	40	00	to	70	00
Springers	40	00	to	60	00
Sheep, ewes	6	00	to	7	25
Bucks and culls	. 4	1 50	to	. 5	50
Lambs	!	8 50	to	9	75
Hogs, fed and watered	!	9 50			
Hogs, f. o. b	!	9 25			
Calves	5	00	to	. 0	25
					- ".

OTHER MARKETS WINNIPEG QUOTATIONS.

Open. High. Low. Close May 91 July 92

May 91 91½ 91 91 July 92 92½ 91¾ 92 Oct S8½ 89½ 887%89½ May 35½ 35½ 35½ 35½ July 36% 36% 30¼ 36½ DULUTH GRAIN MARKET.

Duluth.—Close: Wheat.— No. 1 hard, 881/4c; No. 1 northern, 891/4c; No. 2 do., 841/4 to 851/4c; May, 881/4c; July, 90c asked; Sept., 90c bid.

MINNEAPOLIS GRAIN MARKET. Minneapolis.→ Close: Wheat — May 86% to 87c; July, 89% to 89%; Sept. 90c; No. 1 hard, 89c; No. 1 northern

0c; No. 1 hard, 89c; No. 1 norther 7 to 88½c; No. 2 do., 84¾ to 86½c. Corn—No. 3 yellow, 52 to 52½c. Oats—No. 3 white, 31¾ to 52¼c. Bye—No. 2, 56 to 58½c. Bran—\$15 to \$16. Flour-Unchanged.

GLASGOW CATTLE MARKETS. Glasgow.-Watson & Co. cable rather Glasgow.—Watson & Co. cable rather lighter supplies offered. A better demand was experienced at quotations; best steers, 15 1-2c to 16 1-2c; Irish, 14 1-2c to 15 1-2c; best bulls, 13c to

BUFFALO LIVE STOCK.

East Buffala despatch -Cattle Receipts 100 head; active and steady. Veals—Receipts 125 head; slow,

steady; \$5 to \$10.50. Hogs—Receipts 3,200 head; slow and 10 to 15c lower; heavy, \$9.40 to \$9.50; mixed, \$9.50 to \$9.60; Yorkers, and pigs, \$9.55 to \$9.60; roughs, \$8.50 to \$8. 60; stags, \$7 to \$8; dairies, \$9.40 to

Sheep and lambs-Receipts 5,000 h sheep active, wethers, 15c lower; lambs, slow, 35 to 40c lower; clipped lambs, \$5.50 to \$8.40; yearlings, \$5.50 to \$8.75; wethers \$7.50 to \$7.90; Ewes, \$3.50 to \$7.25; sheep, mixed, \$5 to \$7.40; wool, lambs, \$6.50 to \$9.50.

CHICAGO LIVE STOCK.

Cattle, receipts 15,000.				
Market slow.				
Beeves	7. 30	to	9.	20
Texas steers	6 80	10	7	90
Stockers and feeders	6 10	10	8	10
'ows and heifers	-3 90	10	8	40
'alvesg.	6 5/0	10	V	60
large manainta mino	6.03		C	33
logs, receipts 20,000.				
Market strong.	0.00	400	0	20
(Jight	9 00	fee	5	001/
dixed	2 80	to	9	211/2
leavy	8 60	to	9	20
Rough	8 65	10	8	85
'igs	6 90	to	9	20
Bulk of sales	9 00	to	9	20
Sheep, receipts 20,000.				
Market slow.				
Sative	6 50	to	7	50
earlings	7 50	to	8	60
amb, native	6 90	to	9	30
				00
MONTREAL LIVE	21.00	1		
30 1 1 1 1 17			-	

Montreal despatch: (East End Mar-Let) - Cattle, receipts about 600, milch cows and springers 105, calves 2,006; sheep and lambs 100, hogs 1,025.

Trade was good, but the prices wer ket, but rather higher than they were two weeks aro.

Prime Leeves 7 1-2, medium 5 1-4 to 7 Ommon 4 to 5.

Milch cows, \$35 to \$65 each.

Calves, 212 to 61-2.

Sheep, about 5 cents.

Lambs, about 7 cents, spring lambs \$5 Hogs. 10 1-2 to 10 3-4.

LIVERPOOL PRODUCE.
Wheat, spot, steady, Manitoba

s 10d. No. 2 Manitoba, 7s 7 b24. No. 3 Manitoba, 7s 53-4d. Futures firm, May 7s 6 b-8d; July, 7s 17-8d; Oct. 7s 35-8d. Coun., spot steady, new, 4s 111-4d; new, kiln dried, 5ss 2d; old, 6s; old, via Gaiveston, 5s 24-2d, Futures firm, May, American mixed, 5s 24-2d; July, LaPlata, 5s 1-3-4d.

Flour, winter patents, 29s 6d. Hops in London (Pacific coast). £4 10s to £5 10d.

Beef, extra Iudia mess, 155s. Pork, prime mess, western, 102s 6d. Hams, short cut, 14 to 16 lbs., 72s. Btcon, Cumberland cut, 26 to 30 lbs...

Short ribs. 15 to 24 lbs.. 70s Clear bellies, 14 to 16 lbs., 68s 6d. Long clear middles, light, 28 to 34 lbs 70s 6d.

Some Experiments In Bee-Keeping

Ontario farmers have been conducting experiments of various kinds under the direction of the Experimental Union for quite a number of years, and for the last three years some of them have conduct ed experiments in bee-keeping with spec ial reference to the "Prevention of Nat-ural Swarming," and also in the "Races of Bees." During 1912, three different methods of swarm prevention were tested by members of the Experimental Union and one or two experiments on races of bees.

Experiment No. 1 .- Of the the 220 persons who undertook the first experiment in swarm prevention, 31 sent reports from 18 different counties. These reported a total of 830 colonies of bees in the spring and 1,109 in the fall, being a spring average of 27 colonles per experimenter and a fall average of 36. Their total honey crop was 63, 230 lbs., an average of 76.1 lbs. per colonly, spring count. Fifteen of these experimenters were for one reason or an other unable to complete the experiment but all of them sent good reasons for this and most of them stated that they had received benefit by applying at least part of the instructions to their bee management. Those who were able to compete the experiment reported that they had been able to reduce natural swarming from 48 per cent. to 21 per

Experiment No. 2.—Experiment No. 2

was for "Swarm Prevention in Comb Honey Production." Six complete re-ports of this experiment were sent from five counties. The total number of col onies represented was 161, spring count, and 228, fall count. The total honey crop was \$,449 lbs., an average of 52.47 lbs. her colony, spring count. The per cent. of natural swarms from hives managed according to instructions was 57 per cent. and from those managed according to the old method 100 per cent. Swaming is alwass more difficult to control in comb honey production. The average crop noney was also higher than from the managed according to directions. Experiment No. 3 .- Twelve experimen ers sent complete reports from five dif erent counties on Experiment No. 3. The Prevention of Natural Swarming by the Manipulation of Hives instead by the Manipulation of Hives instead of Corls," The total number of colonies owned by experimenters in the spring was 515, and in the fall 743. The total honey crop reported was 25,363 lbs., an average of 49,24 lbs. per colony. The per cont. of nature, swarms from bees mana ged according to directions was 14 1 2 per cent, and from those allowed to ewarm naturally was 39 per cent. The average number of pounds per colony was a little higher from the former than the letter. This shows a distinct gain in the prevention of swarming and in the honey crop all along the line by ex-

permenters following directions.

While experimenters are learning to prevent the loss and worry of natural swarming, they are also learning to increase their number of colonies when desired, by artificial means quite as successfully as by the natural way and much more cheaply:

PROFITS IN BEEKEEPING.

Now to sum up, we have 49 experi-menters scattered all over Ontario, with 1,506 colonies, spring count, and 2,080 colonies, fall count. This represents an investment of say \$20,000,000. Their income for 1912 is first, an increase of 574 colonies, which, without hives, would be worth in the fall at least \$3.00 each, totalling \$1,722.00, also 97.042 lbs. of ho worth at least \$10,000.00. This g This gives each of our 49 experimenters the next dividend of 58 per cent, on his capital invested. These figures represent beckeeping on the farm and do not take into account rent for location, tenning of honey and supplies, labor and other costs for which the farmer bee-keeper usually does not pay eash. The specialist has all these expenses to face and

still makes a good living.

These reports come from experimenters and show that they are getting much better returns from their bees than the average Ontario beckeeper. than the average Ontario beeked Even the latter do not do so well those from whose reports the following summaries are taken. The indifferent beckeeper is holding down the production of honey all over Ontario, that tons of it have to be imported from the United States, in spith of the tariff wall, to supply the demand. It may surprise many of our beekeepers to know that United States, extracted honey, which costs the Canadian dealers 12e, and more per pound, is benig sold in Canadian cit-ies this winter. The average returns from honey sales by co-operative experimenters were given above. The following reports come to this of-

fice from various sources; In 1910-633 beekeepers, from 31,115

In 1910-633 beckeepers, from 31,145 colonies, produced 1.643,200 lbs, of honey—an average of 52 lbs, per colony.

In 1911-749 brekeepers, from 32,009 bives, produced 1.489,000 lbs, of honey—in average of 46 lbs, per colony.

In 1912-569 beckeepers, from 29,564 bives, produced 1.014,200 lbs, of honey—an experient of 14 lbs, we colony. an average of 34 lbs. per colony.

PACES OF BEES.

As to the special experiments on "Races of Rees," the results are not very conclusive as yet, except that it seems to be well demonstrated that Italian bees are very good resisters in the neighborhood of this disease to get their bees Italianized as another well as the resisters of the resisters of the resisters of the resister of the resisters of the resisters of the resister of their bees Italianized as rapilly as possible, because there is no way of caring the disease in black bees, and when one has good Italian bees and the colonies strong there is very latticely from treadle of this kind.

For particulars in reference to conducting similar experiments during 1913 write to Modey Pettit, Provincial Apparist, Ontario Agriculturel College, Guelph, Out.



of water, add horehound candy honey and the juice of a len lemon and you



Big Results! Big Crops! Big Roots!

When you ask for "ROOT SEEDS" insist on getting:-

Steele, Briggs' "Royal Giant" Sugar Beet.
Steele, Briggs' "Prize Mammoth Long Red" Mangel.
Steele, Briggs' "Giant Yellow Oval" Mangel.
Steele, Briggs' "Giant Yellow Globe" Mangel and
Steele, Briggs' "Giant White Sugar" Mangel.

No other Root crops produce so large an amount of desirable cattle food for winter feeding. Insist on having them—they're the best—refuse substitutes and others said to be just as good. Sold by leading Merchants everywhere in Canada

STEELE, BRIGGS SEED CO., Limited WINNIPEG HAMILTON TORONTO