THE ATHENS REPORTER, JULY 16, 1913.



LESSON III .- JULY 26, 1913.

Moses called to deliver Israel .- Exod. 8: 1.4: 20.

Commentary.—I. God appears to Mrses (3: 1-4:) 1. Kept the flock.—"Was keeping.".—R. V. He continued in the service of his father-in-law forty years, twice as long as Jacob served Labur. Priest of Midian—Jethro, or Reuel, was the head of the tribe, and as such was in charge of its roligious sefering. To the charge of its religious affairs. To the back of the wilderness (R. V.)-Among was south, the left north, and the west was back. Mountain of God-It was called the mountain of God, prohably from the fact that God later revealed himself there in power and glory to Moses and his people. Horeb-The name given to a group of mountains of which Sirai was one. 2. The angel of the Lord-Here sible manifestation of God. fire—Fire was often used to was a visible symbolize the divine presence (Gen. 15: 17; 14ct. 12: 29.) A bush-A bramble, probably the acacia, which is common in that region. Was not consumed-This extraordinary sight served both to attract Moses' attention and to prepare

communication that Moses was to re-ceive. (See Gen. 22: 11; 46: 2.) Here am I-Although the manner of the com-munication is not known, Meses understood that he was personally addressed. 5. Put off thy shoes-It was the custom anciently in the East, and is still, to remove the sandals upon entering a place of worship, or upon appreaching an im-portant personage. Holy ground-The divine presence rendered the place sac-red, and it should be observed as such by every mark of reverence. 6. I am the God of thy father, etc.-The Lord thus introduced himself to Moses as the God whom his forefathers had served, and who had guided and preserved his people

Moses called to service (vs: 7-H. 10). 7. The affliction of my people-God had seen their afflictions and had heard their groanings, yet the divine purpose of their sojourn in Egypt was only now, fulfilled. They were kept a separate neople, being an enslaved people, and they had not become corrupted to any great extent by the idolatrous worship of the Egyptians. Taskmasters-Overseers, slave-drivers. 8. I am come down-Representing his dwellingorme down-representing his dwering place as heaven. God comes down to undertake for his oppressed people on earth. Unto a good land and a large -The land of Goghen had become crowed with the rapidly increasing race of the Hebrews, and the land of Can-ear which was to be their passassion aan, which was to be their possession. was large. Flowing with milk and honey-Canaan was a fruitful land. It was well adapted to grazinz, therefore the supply of milk and other products of their herds would be abundant. The land still abounds in bees, both wild domesticated, and great stores of ey are produced. Canaanites -honey are produced. Canaanites — Inhabitants of the seacoast and Jordan Inhabitants valley. Hittites-The people dwelling north of Phenicia and Lebanon. Amorites Dwelers in the mountains east and west of the Jordan. 9. The Egypt-ians oppress them—In cruel slavery ad been employed in making and in great public works, 10. Pharaoh — Probably Meneptah,

Unto Pharaoh

the son of Rameses II. III. Objections Answered (3; 11-4; 17). 11. Who am 1-Moses pleaded his inability to perform so great a work. Forty years' toil in the wilderness, he may have thought, had un-fitted him to stand before the mighty Pharaoh. This was the frist of four objections that Moses raised to his apntment. He had a proper view of greatness of the task before him ointment. and he had no disposition to overesti his own ability. 19 I will be with thee—He who was speaking to Moses from the flame in the midst of the unconsumed bush would be with guide and strengthen. ye shall serve God upon this mountain -This is a second answer to Moses first obliberty. jection. Tpon that very mountain he would worship God with the hosts of Israel, whom he was about to lead out of bondage. What shall I say unto them - The Egyptians had various gods, and Israel, long used to their practises, would be sure to ask after the name of the God whose messenger Moses was. How was he to be named to them? Alford. Moses' second ob-jection was based upon his incomplete compresension of the nature of them appearing. Names under the Israel ites were indicative of character, and Moses desired the name by which God was to be proclaimed to them in this erisis. 14. I am that I am This erisis. 14. I am that I am This term denotes his eternity. The un-changeableness and his all-sufficiency. 15 22. Moses received particular directions as to the steps to take in dechr ing to Israel his purpose concerning them, assuring him that they would believe his message. Pharaoh, however, would not grant their request to go into the wilderness to worship Jeboxah, but after signs and wonders had been given. he would let them go. They would receive much treasure from the Egyptians by asking it of them. This is the mean-ing of the word "borrow" in v. 22. 4: Ing of the word objection was that 1-17. Moses' third objection was that Israel wordd not accept him as a leader sont from the Lord. In answer to this God gave him the signs of the 'rod chunged to a serpent, of the leprous hand, and of the water of the Nile turned into blood. God answered Moses' final objection that he was not a ready speaker, by giving him Aaron, his bro-thar as his spokesman. Moses' third objection was that The revelation at Horeb was finished, and for the revelation at Horeb was finished, and for the poultry business. The revelation at Horeb was finished, and for the most first mark to the throw with his flock. Having obtained Jethro's consent to varies greatly. Under the most favor-out with his wife and his two some. He was out in twenty days. Then again when

to perform the miracles that would give to perform the miracles that would give him a standing before his own people and before Pharach. God's call to Moses and his assurances of constant help were so clear that he could not reasonably hesitate to begin his work. Questions.—How long was Moses in Midian? What was his occupation? To what mountain did he go? What won-derful sight did he behold? What cour mission did he receive? What four ob-

derful sight did he behöld? What com-mission did he receive? What four ob-jections did Moses make to God's ap-pointment? How were the objections met? By what name did God reveal himself to Moses? What wonders vere done in Moses? What wonders vere done in Moses? presence? In what way did Moses displease the Lord? Who was promised Moses as a helper? How did Moses take leave of Jethro?.

PRACTICAL SURVEY.

Topic-Guaranteed Success.

I. Through human agency. II. For a nation's freedom

I. Through human agency. We here find Moses, a man of mature years, call-ed out on the great mission of his life. His decision for God took place in early manhood, while God's disclosure of duty was deferred until the threshold of old age, when he rewarded his servant's selfdenying choice and commissioned him for service. The burning bush, from which God's call was sounded, was a which God's call was sounded, was a sign to indicate the peculiar presence of God. It inaugurated a new period in the life and history of the chosen people, and of the history of the divine unfold-ing. From that desert revelation Mozes received the crowning preparation and call for his life work. The vision was him for the investation and to prepare him for the investation soon to be made. 3. This great sight—A fire in the de-sert would ordinarily consume all the bushes within reach. 4. When the Lerd saw—The event is described as if God were a man, who must wait until Moses acted, before he could know what he would do. Out of the midet of the, bush—Dehovah was there clothed in a garment of flame. Moses, Moses—The repétition of the name inideates the importance of the communication that Moses was to rein their oppressed state, the Most High had not forgotten Israel, or His coven-ant with them. God encouraged him by the assurance of His presence, pro-mising strength for every conflict, wis-dom for every enfergency, protection for every danger and assurance of ulti-mate success. Moses had been repected forty years before. He knew not what resistance he might meet now. The purpose of the revelation of that memor-able name was to strengthen Moses for his work. Almost insurmountable difficulties stood in the way of Israel's redemption from Egypt. Moses was tempted to decline the contest alto-Moses was gether, to shrink from action and from prominence. It flashed upon his mine that he was unfit to carry out what he once aspired to do. God showed him that it was not the power of the instrument that was to prevail, but the influence of the spirit that animated it.

11. For a nation's freedom. God's purposes were punctual in their accomplishment. Four hundred years had passed, and God forthwith began to redeem His pledge to Israel. Mose's call was rendered necessary by intense na-tional suffering. Politically the Isra-elites were prisoners, socially they were prisoners, bondsmen, commercially they they were de were were ruined, religiously they were generate. Moses recognized the generate. Moses recognized the ne-cessity of the work he was called to do. There was within him an over-whelming sense that God had called him to be Israel's deliverer. He over his objection and accepted the divine commission, companionship and instruction. God sternly pointed out that such cloquence as Moses deemed necessary was but a secondary quali-fication. He turned his attention to his shepherd's staff and taught that any thing used of God would do the appointed work. The iracle wrought was a symbol of the great things God was about to do. It was God's way to show His independence of all means and His sovereign power in appointing and employing them. What Moses already possessed became the subject of divine inquiry. It was the token of a shepherd's office. It was to be the symbol of a leader's power, the pro-phecy of a nation's freedom. The rod cast down and taken up again typified the entire consecration of Moses was to prove to Israel and to Pharaoh that he had authority from Jehovah. To to relieve? he had authority from Jehovah To doubt (iod's word would be to Moses' sould what leprosy would be to his body. Moses and Aaron were to request of Pharaoh only the first step to be taken in obedience to God's will. A sucrifice offered by Israel would in-dicate their first act, of obedience. Three days' journey involved their de-parture. The trequest afforded the least possible occasion for Pharaoh to harden his heart. At the same time it was a bold and open assertion of

the eggs are neglected by the men, or were unfavorably placed, they have been known not to hatch before the twentythird or twenty-fourth day of sitting. Such instances are rare, however. In the majority of cases 21 or 22 days are

required. Nearly all poultry diseases are cause by cold, wet, want of cleanliness or bad feeding. In other words, by neglect somewhere. It is better to guard against this than to cure birds when they are ill, which is always an unsatisfactory sneuletion. speculation. The Barred Plymouth Rock still re

mains the most popular of breeds, tak-ing the country throughout, and unless some unforeseen change happens they again will head the list of American

again will head the int of American breeds in the standard of perfection. Keep up the utility merits they possess and they will stand a good chance of al-ways leading. The number of fowls kept ought to

depend not only on the accommodations for them, but the experience of the breeder. Expensive houses are not neces sary; in fact, are ill-advised, when pro fit is the object. But good shelter of sufficient kind should be supplied. certain amount of warmth and comfort are required not only for the preserva-tion of life, but for the laying on of flesh and the producing of eggs The resh and the producing of egge Inte growth of chicks is retarded by exposure to variable weather and chilling winds. Break up the breeding pens and give them free range, if possible. They will be in better condition for future breed-in the production of the produ ing if a little extra attention is paid them. Separate the males, selling those not to be retained and giving those that se that are to be kept over roomy quarters. Too many good breeders are ruined by neg-lect after the breeding season is over. Cut out much of the corn in the regu ar ration, during the summer. Poultry to not require the same amount of cor that they did in the winter and early spring months, unless fattening for market. Less corn and more oats will prove of more benefit. Try it.

For your own sake, instal some trap nests this fall and find out how little you really know about nenology. One who has trap nests is a real poultry breeder. He knows what his birds are It finds out which hen laid the doing. doing. It had out which her here the egg and how many. It tells the poultry raiser which bird he wishes for his breeding pen. Many of the best-looking specimens are the poorest layers, yet the poultry raiser cannot detect them he is a user of the trap nest. The mle whole flock need not be trap nested, but pick out enough to have the cream for your future breders. June, July, August and September are

the months the breeder wishes to dis pose of his breeding stock. This is the beginner's chance to obtain stock at a reasonable (we do not say cheap) price, for a good breeder under usual circum stances cannot be bought cheap. The beginner will do well to purchase a pen for future use, and the earlier in the season they are purchased the cheaper they can be obtained, as a rule.

To the beginners we would say, al-though June, the month of "hen fever." is here, don't start in poultry during the summer months if you wish to make poultry pay. For the best results, get small chicks

out on the ground early. Provide a green run, if possible, and increase size of run gradually, as they become used to Always train brooder chicks to use the outdoor run, and see that they learn to go into the brooder to warm up. Prevent huddling out of doors in sunny spots.

When through using eggs for hatching take the males away from the hens. You will have better warm weather market eggs and the hens will be benefited. Any males that you do not intend to carry over another winter, or hold for sale as breeders, had better be sold now for market.

Hens that have laid well all winter and show signs of knocking off work for the warm season can often be induced



THERE'S PROFIT IN MUTTON. Farmers, as a class, are not yet alive

to the advantages of keeping a flock of sheep. As a general rule farmers do not take very kindly to the idea, seem ing to lack the tact and kindly disposition towards sheep necessary to naking

alous results, buckwheat, fye and the cowhorn turnip are of this character They will tame and benefit almost any wild and barren soil and flourish over a wide range of climate. The rye must be turned under promptly in the spring time, before it drains the soil of mois-ture and interforms with crohard trans A farmer can engage in sheep culture without the investment of a great deal of money for a flock, but he must be sure that the foundation etock is well selected rather than invest deeply into ture and interferes with orchard tree the business before he mily understands the requirements, or, at least, partly or any such thing. inderstands them.

One way to solve the beef problem is to raise more beef cattle on our farms. The manager with a small farm may diversify his crops so that plenty of feed may be produced, devote a por-About the safest way to mane a lo About the safest way to make a le-ginning is to purchase a number of strong, healthy young grade ewes of good size produced by one, two or more crosses by mating with rams of one of the mutton breeds of sheep. Let no one greet to raise sheep profitably if intends to let the succe run themselves. tion of the farm to pasture and return the manure from the animals to the soil, so that the yield will be increased and thus find profits in a few beef cattle. Like other animals on the farm, sheep need attention, but the attention they lake other minists on the farm, steep meed attention, but the attention they need makes very light, pleasant work and does not take up much "inte. They are excellent scavengers for keeping Growing large quantities of legumes-clovers, alfalfa, peas, beans and vetoh are excettent scavengers for keeping down weeds, but they are worthy of en-joying the run of a good pasture as well, so that they can have a variety of grazing, like other animais. As to the cost of keeping sheep they can be well kept and pay their board bill with their fleepe gave arise, and make over the be increased, and by paying special at-tention to good tillage the physical condition condition of the soil will withcondition condition of the soil will with out doubt be generally improved, mak ing the farm more productive year at-ter year. Without the soil in good phy-sical condition no farm can do which fleece every spring, and make over the annual increase as a bonus to any far-mer who looks after them properly, over and above the fact that hey can be drawn on for a mutton wether for the comfort of the family at no distant inthe productive power cannot be greatly increased by the growing of more legumes, the intelligent use of manure and good tillage. tervals through the entire year, adding greatly thereby to the bill of fare of a farmer's family

Charcoal is a pressing essential for poultry, especially at this season. In-stead of buying it, rake up some old chunks of wood, cobs and other refuse At no season of the year does mut on come any handier for farmers where ton come any handler for farmers where fresh meat is wanted than during the hot part of the year. A small-sized sheep can be selected the evening before and early in the morning slaughtered and hurs in the well if no ise is then d It about the place, setting fire to them. When the heap turns to a mass of hot coals smother it down with a little wat hung in the well if no ice is at hand. It is not so large but what it can be used up before it will spoil. Some parts of it can be boiled down and put in a cool place where it will keep a short time. In the West it is very common for

farmers to kill and "quarter round." That is one will kill a good-sized mut-ton and send three of the quarters to as many neighbors, neighbor No. 2 kill-ing and doing the same thing a day or two later, with neighbors Nos. 3 and

The "sheepy taste" will not be found Dressed hogs, heavy 12 00 in well-fed muttons which have beer butchered in a proper manner. It is not the wool that gives it the "sheepy taste" so much as the intestines or the gase rising from them. Removing the intes-tines soon after death is the best thing

 Spring chickens, 10.
 0 19

 Spring ducks.
 0 20

 Turkeys, lb.
 0 22

 Apples, bbl.
 2 50

 Potatoes, new, bushel
 0 75

 Beef, forequarters, cwt.
 8 50

 Do hindmarters, cwt.
 175

to do. If the pelt can be removed quick-ly it may be well to disembowel the mutton after its removal, but if this cannot be done in a hurry disembowel cannot be done in a nurry disembower-ing should be done at once and the pelt-ing process done subsequently. Pouring a pail of cold water in the trunk of the sheep cools the bowels and prevents the generation of gas until the sheep the generation of gas until the sheep

has been pelted. It will pay to keep a small flock of sheep for home consumption if no othe motive were in view. By keeping a few for this purpose advantages will be dia covered that will cause an increase in the size of the flock until a large one is kept, if the conditions of the farm are favorable. Keep a few sheep and note the results.

FARM NEWS AND VIEWS.

A Canadian authority says the best lots, 5c less. time to purchase the ewes for farm flock is in August, just after the lambs nave been weaned. We can purchose them as cheap then as at any time, and can make the best selection in choosing have rejead lambe as thei

grazing for all kinds of stock. Progressive agriculture requires that these plants have a prominent place in our of merinos and coarse cross-breds were unchanged, but rates for other sorts declined 5 per cent. There were 14,000 bales offered. The sales follow: otation

New South Wales, 2,500 bales; acoured, ls 1 1-2d to 2s 2d; greasy, When purchasing a dairy size, if pos-sible, see his dam. She should be of good size for the breed, a regular breed-er, possess a strong constitution and vitality, wish well-developed barrel and mammary system, and have made a good yearly official record. 7 1-2d to 1s 2d. Queensland, d00 bales; scoured, 1s 4d

Victoria, 1,500 bales; scoured, 1s 4d to 2s; greasy, 81-2d to 1s 1 1-2d. Victoria, 1,500 bales; scoured, 1s 1-2d to 2s 1-3d; greasy, 7d to 1s 7d. South Australia, 100 bales; greasy, 8 3-4d to 10 1-2d. West Australia, 100 bales; greasy, 7 1-4d to, 7 3-4d. Teamais 400 balas; greasy, 8 2-4d 40

Tasmania, 400 bales; greasy, 8 3-4d to

There are some solking crops that may go before the more delicate and fasti-dious feeders. Buckwheat, rye and the

1 Mannania, 400 Dales; greasy, 8 3-4d to ls 4 1-2d. New Zealand, 8,400 bales; scoured, ls 2d to ls 11d; greasy, 6 1-2d to 1s 3d. Cape of Good Hope and Natal, 400 bales; scoured, ls 5d to ls 11 1-2d; greasy, 7d to 11 1-2d. GLASGOW CATTLE MARKET.

Glasgow-Short supplies home catting. Irish cattle, average supply, top quality in keen demand, secondary sorts dearer. Scotch steres, 15 1-4c to 16 1-2c; Irish, 14 1-4c to 15 1-2c; bulls, 12 3-4c to 13-

CHICAGO LIVE STOCK.

Chicago despatch: Cattle-Receipts 5,500; market steady.

1	Beeves\$	7	25	\$ 9	10	
	Texas steers	7	00	8	20	
1	Stockers and feeders	5	75	8	00	
1	Cows and heifers	3	90	8	50	
	Calves	8	00	10	50	
	Hog receipts, 23,000;	m	ark	et slo	W.	
	Light	8	80	9	571/	
	Mixed		70		15	•
	Heavy		50	9	07 1/	6
	Rough				70	•
	Pigs	7	25		00	
1	Bulk of sales	8	90	9	05	
	Sheep receipts, 17,000;	m	ark	et st	eady	
	Native				45	1
•	Yearlings	5	50	7	20	
	Lamba nativa		20		15	

MONTREAL LIVE STOCK.

MUNTREAL LIVE STOCK. Cattle receipts about 700, 'cows 45, calves 1,200, hogs 1,000. Trade was very dull, with deelining prices all round, the drop being greater on common stock. Prime 6 3-4 to 7, medium 4 3-4 to 6 1-2, common 3 to 4 1-2. Cows 30 to \$70 each. Calves 3 to 6. Sheep 4 to 4 1-4. Lambs \$4 to \$6 each. Hogs 10c. LIVERPOOL PRODUCCE

er or dirt, and when it cools you will

TORONTO MARKETS

FARMERS' MARKET.

Do., hindquarters, cwt 11 75 Do., choice sides, cwt .. 10 75

Do., medium, cwt 8 75 Do., common, cwt 7 25

SUGAR MARKET.

LIVE STOCK.

lamb, cwt...

Wheat-

Oct

12 25

13 00

0 28

0 28

0 30

0 21

0 23

0 25

3 50

1 00

13 00

11 25

8 75

0 26

0 25

7 25

17 00

have a handy supply.

2.4

LIVERPOOL PRODUCE.

LIVERPOOL PRODUCE. Wheat, spot steady-7s, 9d. No. 2 Manitoba-7s, 6 1-2d. No. 3 Manitoba-7s, 6 1-2d. Futures steady July-7s, 6 5-8d. Oct.-7s, 3 3-4d. Corn, spot, Dec.-7s, 4d. American mixed, new-5s, 5d. Futures steady -4s, 1 7-8d. Oct.-6s, 1d. Flour, winter patents-29s, 9d. Hops in London (Pacific Coast.-64, 15s. to 55, 1d. Beef, extra India mess-121s, 9d. extra India mess-121s, 9d.

Pork, prime mess, western-10/s. Hams, short cut, 14 to 16 lbs.-81s. Bacon, Cumberland, 26 to 30 lbs.-70s. Short ribs, 16 to 24 lbs.-72s. Clear bellies, 14 to 16 lbs.-70s. Long clear middles, light, 28 to 34 lbs. -76s. 6d.

Long clear middles, light, 28 to 34 lbs. -76s, 6d. Long clear middles, heavy, 35 to 40 lbs. -85s, 6d. Short clear backs, 16 to 20 lbs.-68s, 6d. Shoulders, square, 11 to 13 lbs. Lard, prime western. in tieress-58c 6d. American, refined-66s, 6d. Ccheese, Canadian, finest white new-64s. Colored, new-64s. Tallow, lprime city-31s, 9d. Turpentine, spirits-23s.. Resin, common-11s, 6d. Petroleum, refined-9 3-8. Linseed Oil-27s. BUFFALO LIVE STOCK.

BUFFALO LIVE STOCK.

East Buffalo despatch: Cattle-Receipts 300; steady.

10 25 Veal receipts, 50 head, active, 50c 9 00 higher, \$6 to \$11. 10 00

Hog receipts 1,600 head, active and 11 00 riog receipts 1,000 head, active and 10 to 15 cents higher; heavy, \$9.50 to \$9.60; yorkers and pigs, \$9.70 to \$9.75; roughs, \$8.15 to \$8.30; stags, \$6.50 to \$7.50; dairies, \$9.25 to \$9.65. 14 00 19 00



Trade was fairly active in all lines, with very few changes in prices. Export cattle, choice...\$ 6 25. \$ 6 60 Elements of Turtle Serum choice Made Public 6 40 5 00 4 50 5 00 5 50 By Physician Who Thinks 5 00 3 50 4 00 It Good 3 59 6 50 New York, July 14. - Dr. George 2 00 .. 40 00 70 00 Gibier Rambaud, who has faith in the 4 25 4 75 efficacy of the Friedmann cure, de-: (0) parted to-day from Dr. Friedmann's 10 00 secret policy regarding his vaccine by telling just what the vaccine is, and 9 35 9 00 is administered. He received how permission to do so from Mr. Eisner, of Eisner & Mendelsohn, who acof Eisner & Mendelsohn, who quired the American rights, to OTHER MARKETS WINNIPEG GRAIN ECHANGE. lose the component elements of the Open. High. Low. Close.

*********************** THE POULTRY WORLD NOTES. Be willing to pay a fair price for eith-

T. R. A.

er hatching eggs, day-old chicks or stock. One should remember that it than they thought they did at the close costs more to handle breeders to produce hatching eggs of day-old chicks. Advertising bills must be met, shipping boxes, and extra time in shipping, and one cannot afford to sell at market prices. many beginners expect that, and often get stung on cheap stock. But do they? They generally obtain what they paid

Don't be a knocker. Boost the poultry industry. There are failures in every line of business, but in most every cas the blame rests on the would-be poultry raiser, and not on the industry. It is the same in the show room. There is,

greens for growing chicks later in the season.

Bear in mind that while sunshine and fresh air are two of nature's best gifts, protection should be provided against high winds, and also some shade is ne cessary when the sunshine becomes too hot for comfort.

Provide plenty of cool drinking water. Keep it in a shady spot, where it will stay cool. Keep the drinking vessels seasonably clean.

Don't overcrowd chicken coops at any time, but be particularly careful at closing up time to see that coops and boxes are not crowled, and that there is ample ventilation.

Because you happen to have been successful with one brood or have gone through one season with fairly good results and without many mishaps, don't get the notion into your head that you don't know al Ithere is to know about poultry. There are a good many breeders, who have been at it for a score of years, who will tell you that they know less now their first year, and they are still learning.

When through with sitting nests can them up and put them away. hen through with incubators, clean When through When through with incubators, clean them up and leave in good order; if hot water machines, drain off all water. Do the same with brooders, with tools and with everything you use. It takes a little time, but it saves both time and money in the end.

IMPERAIL SERVICE MEDAL.

London, July 14 .- The Imperial Service Medal for long and meritorious service has been awarded to Michael Berrigan, Bedford, P. E. I.; Joseph Henry Berry, Halifax; William Burrown, Winnipeg; George Cameron Halifax; Hazel Carter Moncton; Jas Ross Cumming, Truro; James Currie, Alberton, P. E. I.; Frederick Gagnon, St. Simon; Charles Grant, Patrick Hopper, James McDermott, Moncton; Alex. McDougall, Antigonish; Hector McKin-Noiles, Pictou; difax; Charles non, Pictou; George Noiles, Martin O'Brien, Halifax; Reeves, Toronto; Samuel Watson, Moncton; John Yerxa, Fredericton.

milking qualities and strength can be ascertained. Besides, we will have them in good condition for the next crop of lambs.

If a little grain be fed the ewes for about four weeks before they lamb-one pound per head each day of mixed oats and bran is good-they will be in good condition when lambing time comes.

A hen can lav five times her own weight of eggs in a year. The prize ccw at the University of Missouri produced sufficient milk in ozne year to equal the food value in the carcases of four threeyear-old steers.

Inbreeding is used as a means to pro pagate and foster good qualities found in a herd. The danger is that the weak points are likely to crop out more plainly than the strong ones and thus become more plainly fixed.

Protein that is grown upon the farm often more caluable than that which purchased in concentrated form, and is also cheaper. A three-year-old rotation-potatoes, oats and hay-enables Maine farmers to

keep their soil filled with humus and in condition which enables the crop to readily utilize the commercial fertilizer.

Minneapolis.— Close: Wheat – July, 80 1-4c; September, 91 7-8c; December, 94 1-2 to 94 5-8c; No. 1 hard, 92 7-8c; No. 1 northern, 91 5-8 to 92 3-8c; No. 2 A good hogs' house is dry and clean inside, admits plenty of light, is well ventilated, free from draughts, and comfortably warm for the hogs. This is the teaching received by a class in swine production at Western Agricul-tural College. And the most practical tural College. And the most practical hog man will admit that it is good ad-vice. Change the bedding frequently by cleaning everything out of the sleeping pens. Scatter air-slaked lime about at frequent intervals. Use a coal-tar dip or crude carbolic acid solution, and Soptember, 92 7-8c bid; December 94 7-8c, nominal. spray the pens every few weeks.

When cutting hay for their own use When cutting hay for their own use farmers usually wait until the plant has come into the stage known as "second bloom," which occurs after the full bloom has passed. When sold on the city markets "choice" timothy means hay just cut as the plant comes into the first or full bloom.

Winter leguminous plants are very valuable and should not be neglected. They improve the soil, prevent loss in plant food during winter and furnish

Do., medium. Do., common. Do., common. Butchers' 'cows, choice. Do., medium'...... Do., canners Do., bulls Feeding steers Stockers, choice

Hogs, f. v .b... Calves 6 00

No. 2

turtle vaccine.

"The vaccine consists of a hemeogen ous emulsion of a virulent tuberculosis bacilli in sterile distilled water. germ was isolated several years ago since by transplantation on culture media, according to the usual procedure. The vaccine is administered to patients The vaccine is administered to patients in doses of from CC 0.10 to CC 0.30 at intervals of from four to six weeks. Injections are made intravenously in the case of joint tuberculosis and intramuscular-

ly in the case of lung tuberculosis. While some of the patients show improvement after the first injection, some cases require as many as four be-fore the disease is arrested.

"Any physician in good standing is welcome to familiarize himself at the various laboratories where the vac-cine is prepared with the details conerning the administration of the treatment, that he may be able to use

it personally on his own patients." "I have observed 150 cases in the last few months." said Dr. Rambaud, "and I have noticed marked improve-ment in many, and no improvement in others.

"I am investigating this thing bethe directorship cause I undertook the directorship of the Friedmann Institute, which is now closed. If this is a boon to humanity I want to find it out in order that the public may be benefited. A year surely

vere seven buyers present. LONDON WOOL SALES.

here to-day 665 boxes of colored and 30 boxes of white were boarded; all sold at 13 1-4c.

July 987/88 995/84 983/4b 99b Oct 927/88 933/8b 923/4 931/4b

ec ... 91½a 91%a 91¼ 91%b Oats—

MINNEAPOLIS GRAIN MARKET

Corn-No. 3 yellow, 57 1-8 to 89e. Oats-No. 3 yellow, 57 to 37 1-2c. Rye-No. 2, 56 to 58c.

DULUTH GRAIN MARKET.

Duluth.-Close :Wheat - No. 1 hard, 2 7-8c; No. 1 northern, 91 7-8c; No. 2

orthern, 89 3-8 to 89 7-8; July, 91 1-4c

THE CHEESE MARKETS

Kingston .- At the Frontenac chees

orthern, 89 3-8 to 90 3-8c.

Flour—Unchanged. Bran—Unchanged.

34%a 35 34% 35a

. 126% b 128% 126% 1281/2b

Vankleek Hill, Ont.—There were 1.373 white and 300 boxes colored cheese boarded here to day, white selling at 13 1-16c and colored at 13 1-Sc. There

London.—The demand was quieter at is not too short a time for a fair inves-the wool auction sales to-day. Prices tigation, and I propose to keep on drawals were frequent. The best grades with my work for a year at least."

The following statement issued by the Friedmann Laboratory for Tuberculosis Treatment, located at the Pasteur Institute on West 23rd street, was sent to your correspondent to-day: