ER POWERS OF MANITOBA

POWER PROBLEM SOLUTION.

er Part of the Province is ntian in Character With pical Watercourses.

rovince of Manitoba, formerly hiefly for its rich agricultural ze and appreciate its b ritance of varied natural re among which water powers aramount importance, says C. of these water powers have veloped, notably two on the g river, which have proved of portance in the industrial exof the city of Winnipeg and ons. Many of the water powat present remote from the rly important for the exploithe natural resources of the

revitable, however, that wit tant factors in the solution sel-power problems of the

minion Water Power Branch partment of the Interior, by ers of hydro-metric survey naissance, have largely dethe power possibilities of the Their report on the power the Winnipeg river within ace shows that by storage thon, some 550,000 h.p. are within transmission distance peg. Their investigations covered the Saskatchewan Frand Rapids, the Nelson Manigotagan, Wanipigow, erens, Bloodvein, Dauphin, ss. Burntwood and Churchis well as smaller streams.

inistration Regulations. er powers of the province pursuant to the Dominion er Act, 1919. These reguwide for the exploitation of power resources under full t control of rates, rentals, se and premature developater power and provide for ment retention in the Crown sership and control of the 5 to a successful issue.



Kindness to Animals Pays.

heifers, for every moment I spend pet- by one person. ting my horses, handling my hogs and chickens, I save valuable time. This ount of kindness and patience which a has been given. Food and health under the eyes, the muscles become perhaps sounds a little far-fetched, man may profitably give to his ani-

but it is nevertheless true. morning I take them out one at a pleasant, happy life. time, hook them up on each side, and groom them. After I have thoroughly cleaned one, I step to the cupboard A two-year-old tom mated with hens and give it a lump of sugar, or, if I more than one year old makes the best chance to be out of sugar, I put some combination for producing vigorous sait in the palm of my hand for the poults. The breeding stock should be horse to lick. All of my horses know unrelated and it pays to frequently that as soon as I unsnap them in obtain a new tom from a distant their stalls they are going to be breeder. Inbreeding has been one of groomed, and that they are to receive the factors in devitalizing turkey something which they like. Conse- flocks. quently they come out without hesita- Old hens are not as satisfactory as that from 20 to 40 per cent. are habitution or fear; they stand quietly while the turkey mother for hatching and ally under weight for their height grooming is in process; they allow me rearing young turkeys. It takes from This conditions is found alike in the to handle them without flinching or twenty-seven to twenty-nine days for city slums and among the rich and moving, and I am enabled to do my the turkeys to hatch and that is a long well-to-do. It was also confirmed by

have to keep a vigilant eye constantly they are too young to be weaned, but on the lookout for a "nip" or a kick the turkey mother will often keep with her until the end of sum-while currying their horses! And them with her until the end of sum-while that eye must watch for the mer. And in that time she leads them horse's foot or mouth, it cannot apply through the fields and woodlands and horse's foot or mouth, it cannot apply through the fields and woodlands and written.

out this discreditable condition, and more experienced observer then told clothing. If the shoes cannot be remove malnutrition from YOUR men about us, we find that the "sissy" out this discreditable condition, and more experienced observer then told is a pretty rare specimen, while the moved, weigh them separately, or make an estimated allowance of one written. on the lookout for a "nip" or a kick the turkey mother will often keep itself wholly and without thought to helps them to take on plenty of turkey the work of cleaning the horses. Time meat at a small expense to the owner. saved by being kind? Yes, and dang- Protection from pests and storms is is the relation between his height and cost the purchaser real loss. A horse the child stand against the wall, heels worth proportionately very much more ger of their growing into business men

er avoided also. catch their horses in the pastures. It grass early in the morning. For this weight at various heights, and the the points of a good animal. is usually a long job, and by the time reason a wire yard is fine for the figures for seven and ten per cent. The problem of the malnourished point from which to begin the meas-family, into slavery for debt. The the animal is captured it is often tired mother turkey and her brood at night. Into slavery might be for a limited time or slavery might be for a limited time or state of health mother turkey and her brood at night. and sweaty from running; its master By feeding at night the mother birds sound condition from a state of health presented by a series of questions sim- read the height in inches. is in the same condition, with added can be taught to come home to roost. Showing clear symptoms of malnutri- ilar to those which you would ask Now, when you have the weight in vided that a Hebrew slave should go to the nation. discomfiture of mind. While this is Keep scrap lumber piles and brush tion lies at seven per cent. under- yourself regarding any growing ani- pounds and the height in inches, con- out free at the end of six years. So To a man himself, being a good taking place for a half-hour or so, I or stone heaps away from the turkey weight for height. taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for a half-hour or so, I or stone heaps away from the taking place for the right and the taking place for a half-hour or so, I or stone heaps away from the taking place for the right and right and the right and the right and the right and the right an whistle, and my horses will come diwho see the proper standards for sex, and look down the line of heights but only as an hired servant, and that means that he can watch the miracle rectly to me, go into their stalls, and ficult, be hitched and ready for work while the other fellow is still chasing all growth of young turkeys and after those who are underweight and mal- for his height? over the lot. In this way alone I save they are about three weeks old it pays nourished, which we have found to in- Is he free from physical defects that you the average weight for that therefore, was, at the best, a very dren, and that he can be a co-worker at least fifteen minutes every time I to keep plenty of sour milk before clude the large percentage mentioned interfere with his proper growth? want to get my horses from the pas-

saying mean things to the horse. And because my horses have entire confidence in me-and a horse's confidence cannot be misplaced many The best turkey flocks which we times without their remembering it have known have enjoyed free range. I can drive them past any sort of a contrivance, and I can back them into the smallest corner or near the noisiest locomotive without trouble. If you do not believe that kindness pays dividends, just try it. Choose only one horse at first, and see how much time and labor and worry you may save yourself.

well with all other classes of live- restricted range where it was necesstock. Cows will give down their milk sary to furnish the bulk of the feed much more quickly to a man who has we can see no profit in turkeys at the their trust than they will to one whom present price of grain. they fear. Calves will respond even! Some farmers who have not raised more readily than will their dams, once turkeys on their land in many years they are won over to your side.

. help on the farm, and found myself big slice from a well-browned turkey obliged to take these animals to the surely tastes very appetizing during into the road, and walked quickly by age stock. their sides a distance of three miles Do not allow the turkeys to roost to the stockyards. The gate was shut, in the poultry houses as this increases and while I ran ahead to open it they the danger from lice and the turkeys followed close by, walked in, and stood need even more fresh air than hens. while I again fastened it. After open- Their natural environment is in the ing the car door I stood at the top trees and wild turkeys thrive under of the incline and called them directly such conditions. Turkeys do not thrive into the car. No trouble, no time, and under too much coddling. Place round . no temper lost. That one lesson was poles in an open-front shed and that

I might relate similar instances with clean and spray the roosts at frequent hogs. All who have ever driven them intervals. It will also pay to inspect know what stubborn, ignorant brutes the turkeys occasionally at night to they are when they are afraid and do see if they are getting enough to eat not know what is wanted of them. I and are free from lice. never have trouble in loading them or Sugar barrels make fine turkey in driving them anywhere. Why? Be- nests. And if they are placed in cause I treat them kindly, and because secluded parts of the range the turkey I spend some time with them when I mother is apt to find them and lay! am not pressed with work. They her eggs in a barrel where they can have never had occasion to doubt me, be watched and at least partially proand because they have never been tected from the weather and pests.

to treat my animals with kindness. Leghorns will not fly or fuss if they he is expected to "go it alone." For each minute I spend brushing my are cared for properly and regularly

mals; and, aside from the time saved, For instance, take my horses: In the one who is kind to animals lives a

Facts About Turkeys.

work in the minimum amount of time, time for a hen to set. The old hen the percentage of young men rejected How many farmers there are who may tire of protecting the poults when in the draft as physically unfit.

necessary, especially at night. Young weight. We have prepared tables giv- trade is really a game of wits, and the baseboard. than that of to-day. His lord com- and money-makers rather than fathers I have watched neighbors trying to turkeys should not go into deep wet ing in three columns the normal farmer has found that it pays to know Place a book edgewise on his head manded him to be sold. It was not an and home-makers.

> them at all times. Sour milk seems to above. also help to keep down the blackhead brought out an average of more than to standard as it should be? which is the disease that has put turkey growers nearly out of business

n some sections. Some breeders have had success with turkeys on a limited range but we feel that their cost of production must be very large. And there is also an in- Height for Height creased danger of the soil becoming Inches contaminated. Turkeys on free range gather many bugs and bettles and will often practically rid infested fields of grasshoppers. They also need plenty Kindness and petting pay equally of tender bits of green food. On a

may find that the soil is clean and One December day wher everything there will be a good chance of success! was frozen over, and when gloveless with vigorous unrelated breeding fingers would become numb at only a stock. Even if very few turkeys are moment's exposure, I had my cattle marketed it is a great satisfaction to tuberculin-tested. I had two reactors raise enough for a few turkey dinners -a seven-year-old cow and a yearling each year. Of course, there is a great heifer. At this time I had no hired similarity to chicken meat and yet a train, load and ship them alone. I the winter and the home-raised turlet them out of the barn, drove them key tastes much better than cold stor-

sufficient to teach me what it is worth is all the protection from the weather . to have stock that are your friends. they will need. Keep the turkey house

harmed they do not expect to be. Often turkeys hide their eggs around

Are You Sure Your Child is Growing Up to Be Strong and Healthy.

By William Emerson, M.D.

to adolescence he is left largely to his effect is sometimes a transformation chance whether he will come through that the patient has become "a differ-

There are certain relationships between a child's height and weight that are of great importance, and when a shild's height and weight are constantly wrong it means faulty growth and imperfect development. Records of our examination of thousands of children of school and pre-school age show

comparatively few children who are measuring growth? new milk seems to be good for the number of inches in the year of jubilee, that is every of an unfolding personality, that he

ture, besides the perspiration and con- act as a preventive of digestive In the case of these malnourished ducive to proper nutrition?

BOYS

Average 7 P.C.

Weight

Pounds

9.7

11.1

12.5

13.9

15.3

16.9

18.5

20.2

23.2

24.5

27.3

75.4

30.0

TABLE OF AVERAGE WEIGHTS OF CHILDREN AT VARIOUS HEIGHTS

Weight

Pounds

11.0

12.5

14.0

15.5

17.2

18.8

20.5

22.0

23.4

24.8

26.0

27.8

32.7

37.4

39.2

41.2

43.1

48.5

50.9

70.8

78.4

91.1

102.5

110.4

118.0

123.0

130.0

137.0

143.0

146.9

Also Showing Weights 7 and 10 Per Cent. Underweight for Height.

10 P.C.

weight

Pounds

8.7

10.0

13.8

15.2

16.7

18.2

22.1

Under- Under-

weight

Pounds

9.0

10.3

11.6

12.9

14.2

15.7

18.8

20.2

21.6

22.8

24.1

25.4

27.9

29.4

33.8

87.0

42.2

43.8

55.4

106.7

113.3

123.3

129.2

109.6

115.0

125.0

*Without Clothing.

The care of infants up to two years five important physical defects, many I find that kindness pays even with of age has been well worked out, but of which are directly associated with plan for himself according to the It pays me in real dollars and cents poultry. A flock of highly nervous when a child reaches the age of two malnutrition. As the child begins to standards of his age, or is he forgetgain and approach the normal weight ful, backward, nervous, "finicky"? This is a most important time for line, it is interesting to watch the dis-If he is not what you think he ought the child's nutrition and growth, yet appearance of some of these defects. to be, do not blame him or call him very little teaching in these matters They lose their pallor and the lines a numskulf for there is always a cause for his condition. As a parent you habits which affect the child's whole firm and strong, posture is improved, have no more important job than development are made at this period; shoulder blades and protruding abdofind out this cause and remove it. yet during this change from infancy men are less prominent, and the whole The best time to start on the

> ents can be present, and when the child can most easily be examined without ent child." Where he has been irriclothing. A man who judges animals table, forgetful, inattentive, losing his knows how much would be hidden emper over trifles, a worry to himself the animal were inspected when cov and everyone else, he now gets on well ered with a blanket. Yet this is the with his associates and has some real usual way in which children are exenjoyment in life. amined by a school physician, and You as a farmer are always interested in a horse trade, and when face passes as well nourished when an horse is brought out to be examined the boys gather to hear his "points"

discussed, and learn to discover his

defects. I remember seeing a horse

At the same time the parents report

with his mouth open and his tongue and a half pounds.

GIRLS

Under- Under-

Pounds

7.1

8.5

9.9

11.8

12.6

14.0

15.5

16.9

18.5

19.8

21.1

22.3

23.4

24.6

25.7

29.4

32.1

83.7

35.3

38.8

40.8

41.7

45.8

48.0

50.2

52.5

57.4

60.1

63.3

70.6

82.0

92.2

99.4

106.2

110.7

117.0

123.3

132.2

Average 7 P.C. 10 P.C.

Pounds

7.3

10.2

11.6

13.0

14.4

16.0

17.5

19.1

20.5

21.8

23.1

24.2

25.4

30.4

33.2

36.5

38.3

41.7

45.1

47.8

51.9

56.8

59.8

62.1

72.9

84.7

95.8

109.7

114.4

120.9

127.4

133.0

136.6

for Height weight weight

Are his food and health habits conof your child. If the latter figure is siderable mental energy expended in troubles in all kinds of poultry and children, careful examination has Is his physical development as near the same or larger your child belongs But the servant's prayer moved his NUTRITION CLINICS FOR DELICATE CHILDREN

> Thus, the table shows that the average weight of girls 54 inches in Exod. 34: 6-7, Psalm 103: 3-12, Isa. has seen, the child takes his first step height is 70.3 pounds. If a girl of this 55: 6-7. height weighs 65.4 pounds she is seven The contrast between the ten thouper cent under weight for her height, sand talents and the hundred pence is he has and must gain five pounds before she very great. For the latter paltry debt. To the nation and the future world. can pass her normal weight line. If amounting to eighteen or nineteen good fatherhood means everything. It dollars, he who had been forgiven mil-

reveal physical defects.

seven pounds to gain. Remember that these tables are able meanness and cruelty. The parmade from the measurements of tens able, therefore, teaches that God's forout thousands of children, including giving grace extends to us only if we their children after death, but shall devote their lives to giving their children after death, those below the standard. The aver- also have the forgiving spirit. "Im- their children a treasure of sympathy,

child is habitually seven per cent. be- its unmerciful grip on his brother's tions shall work hand in hand for a low the average, he is retarded in throat." look into every case that falls below cover what is needed to bring the hearted, forgiving each other, even as mother have all the responsibility and just such cases, with a shortage of With this parable may be compared all the joy of parenthood,—get some only a few per cent., which, under sud-den strain or illness, will quickly lose sets forth the wealth of love and sake, for your own sake, join the Anenough more to become seriously is in the heart of the heavenly Father. hood!" under weight habitually. The only He not only forgives, but welcomes safe policy is: Have every child above oand honors. The elder son, who did his normal weight line!

excuse his thinness because he is "tall men. Such men put justice over for his age." Parents frequently against forgiveness. They exalt justice at self is boast that a boy is two years beyond the standard of his age. "At eight he is only realized in human welfare, and during the late spring and summer wears a ten-year size suit." The im- therefore only in the reclamation of season. After the breeding season weight for his age, but whether he Forgiveness alone is not enough, closes all roosters are kept away from portant point is not his height or the lost.

who are underweight, and thus retard- through the same grace to help a commodation in a box or shelter. ed in their mental and physical de- brother to better thinge. velopment.—The Editor.

brush piles and in high clumps of weeds. Then if the weether is cold and rainy the hatchability of the eggs will be injured. A turkey mother can

Some dairymen may be satisfied with scale rather than plunge heavily and Nothing would be a lesson to us if rural districts, right at home, so to cull roosters though they own a fine then have second-rate incubators for it did not come too late. George speak, where they will be retained as Zinc covered serving tables are most dairy bull. And possibly a hundred sale in a couple of years.

none at present. If the business can was because they had fallen off the Instead of compelling a pupil to "plug" The purchase of good breeding cock- be managed by some member of the tree onto the ground-in short, they dead languages and "cram" history, erels is the cheapest way of improv- family not encumbered with too much were windfalls—so she bought them. | classics and higher mathematics, inily as a small one and so the breeder ing the farm flock next to raising field work he should be able to do A week later she called the farmer's struct the boys in animal husbandry, greatly desires good hatches. Some them from good quality hatching eggs. much hatching work for the commun- wife up on the telephone. "I ordered field husbandry, economics, sociology, breeders place turkey eggs under hens One male influences a large number ity and sell many day-old chicks. This the best cucumbers for pickling," she farm mechanics, and farm manageat the same time the mother turkeys of eggs each year and he can some chick business has come to stay and said sharply, "and you've sent me ment; and instruct the girls in doare setting. Then the broods come times be used to advantage for two or people like to buy them. When they windfalls." off at the same time and the henthree years. A buyer of a first-class use ordinary common-sense in their "Sent what?" gasped the farmer's nursing and all other phases of every-



THE SUNDAY SCHOOL LESSON JANUARY 9TH

Jesus Teaching Forgiveness-St. Matt 18: 15-35. Golden Text, St.

Matt. 6: 14.

21-22. Peter's Question, Compare Luke 17: 3-4. The Jewish rabbis imitless. Compare the boundless pas- laughter. Yet what finer or more nasion for revenge in the sword song of Lamech, Gen. 4: 24. Forgiveness like program is at night, when both par-

As the measure of man's mind: And the heart of the Eternal .

as always in this Gospel, the new order of human brotherhood, the common many a child with a round, attractive world. The meaning of the parable our boys. The tiny lad who loves to examination without clothing would take acc The child should be weighed about owed such a large sum, may have been driven up and down the street that I the same hour each week, if possible thought had a fine style, a good gait, without clothing, but in any case under whose hands taxes or customs duties and all the appearance of a splendid the same conditions, so that a consist- passed. Ten thousand talents of silent record may be made. A conven- ver, at the lowest reckoning, would be "sissy" than of permitting him to be a It is to present a program to wipe was worth I named a high price. A out shoes but with ordinary indoor dollars. The talent was equivalent to men about us, we find that the "sissy" The best test of a child's condition out-defects which, unnoticed, would When it comes to measuring, have however, the money of those days was cowards. There is the greatest dan-

uncommon thing in Bible times, for a Perhaps the words "greatest danand against the wall to determine the man to be sold, or members of his ger" may seem exaggerated, but let

Compare this figure with the weight in the parable would probably have spiring them.

to the fortunate two-thirds who are un lord to compassion, and he loosed him to or over the standard weight line. and foreave him the debt. Jesus in- chum, his ideal. His father's polici You will notice that the next two col- tends to show by this the greatness cal opinions, business principles, and umns give the figures for seven per of God's forgiveness. Human sin had ethical standards are accepted unquescent. and ten per cent. underweight. piled up a debt humanity never could tionably by his admiring son. Some-

and is justly punished for his intoler-shall strive not only to bequeath ages are therefore low, and the figures "lifting one hand in prayer to God the through mutual understanding, fath-Father of love, calling upon Him for ers shall be more progressive and sons If you find that the weight of your mercy, while his other hand tightens less anarchistic,-that the two genera-

growth at least a year. This is a St. Paul writes of the habit and disserious condition which merits prompt position of the true Christian life in Therefore I would say to every attention. In fact, we advise you to the memorable words of Eph. 4: 31-32, father, "Know your boy. Begin to-day look into every case that fells below "Let all bitterness and wrath, and to play with him, hike with him, disanger, and clamour, and railing, be cuss with him, camp out with him if the average weight for height, even put away from you, with all malice; you possibly can. He needs you and by two or three per cent., and to disand be ye kind one to another, tender-you certainly need him. Don't let his

tenderness and forgiving grace which cient and Honorable Order of Father. not share his father's spirit, represents Tie a spoonful of salt in a thin piece A very common mistake is to con- the hard and unforgiving disposition of muslin and grease the griddle. This sider only the height of a child and to of some otherwise good and upright saves fat and smoke.

has a body weight to support ins but it must be accompanied by regenhas a body weight to support insheight, whatever his age may be. As he grows, every advance in inches calls for still more advance in pounds.

Note:—The second article in this series will appear next week. Parents will be able, right at home, to apply the principles here set forth in bringing up to normal the boys and girls who are underweight, and thus retard-

She Knew a Windfall. Mrs. Youngbride thought the apples tinctive type. The course of study More custom hatcheries should be the farmer had brought her were must be rooted in the agricultural profitable in sections where there are rather dirty, but he explained that this community, and all that belongs to it,

FATHER AND SUKS

The four-year-old son of a friend of mine was once asked what he intended to be when he grew up. He was silent for a moment. Then looking up with great earnestness, he said, "Well, I fink, when I'm growed up, I'll hunt around and pick up a loth of thticks and build a house wiy 'em, and be

Of course the little would-be "fath er" was greeted with peals of adult tural ambitton could be have voiced? We do not laugh, when our little daughter talks of the day when she will have a home and children. Why does it strike us as comic that our small boy should also long for father-

there was something shameful and unmanly about fatherhood, so thoroughly of our money. In purchasing power, danger of our boys developing into

for life. The law of Exodus 20 pro- fatherhood means to men, to boys and

sult the table printed with this article. served in Leviticus 25, provides that a standing one,—means the greatest posyour child. The next column will give debt shall be set free. The penalty, can renew his own youth in his chilheavy one, and in the case presented with God in aiding, guiding and in-

meant lifelong bondage for both the To a child, a good father is, next to

she weighs 63.8 pounds, she is 10 per lions cast his fellowservant into prison. not merely in terms of "hig business" cent. below the standard, and has He is rightly called a wicked servant, but of better human lives, that they

A rural high school must be of a disday rural life. In other words, let to educate the rural population in



look after a large brood about as easuseful if wooden easters are attached; of their hens compare very favorably they can be moved easily to any part as profit producers with one or two

hatched birds are given to the turkey cockerel need not swat his bird after brooding methods they usually have wife. the first year's breeding operations fair average luck. A hatchery costs "Windfall cucumbers! I can tell; every municipal high school be a farmare over. Fine quality male birds are money and prospective operators of you needn't think I can't. There's dirt ers' college on a small scale, modelled Iron linens with the thread, never often too valuable to market as meat. such a business should start an a small on them."