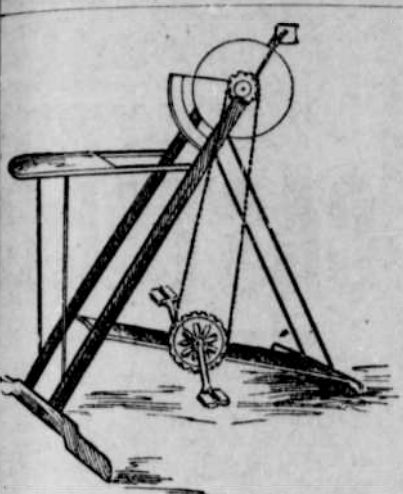


TIMELY FARM TOPICS.

MANAGEMENT OF THE FARM, GARDEN AND STABLE.

The Farmer Should Use Brains as Well as Muscle—Device for Turning the Grindstone—How to Stop a Kicking Cow—Saving Grass Seed.

For Turning the Grindstone.
A contrivance for turning a grindstone, by means of which one can turn and grind at the same time with comparative ease, has been devised by a correspondent of the Rural New Yorker. To construct the device, take the small sprocket wheels and chain from an old worn binder or other farm machinery, and gear it two to one; that is, the lower or crank shaft wheel must have twice as many cogs as the one on the stone shaft. Use a stone twenty or more inches in diameter, and be sure to get a good one. An Amherst is better than a Berea, for all purposes. If geared higher than two to one, it will turn hard, and if much lower it will not turn fast enough. It is the fast mo-



GRINDSTONE DEVICE.

tion that cuts. One may find an excellent pair of cranks from some old bicycle.

System on the Farm.

On many farms the most apparent causes of failure are a want of system, wastefulness, and misdirected labor. It doubtless is far more difficult for the farmer to reduce his business to a definite system than it is for the average merchant, but that is no reason why he should abandon all attempts to do so, and work blindly. There are many farmers who are careful men, who are striving to reduce their operations to systematic rules, and who are doing a good deal in this line in the way of keeping daily records of the milking of each cow, in keeping ledger accounts with each important crop, and in carefully recording the average work done by faithful men in the several occupations of the farm. These are the kind of farmers who are, as a rule, successful. They quickly detect a leak when one occurs, and can usually tell, after a year or two of experience, which operations of the farm are profitable and deserve extension, and which should be abandoned as unlikely to prove profitable. The farmer's business as usually carried on is largely a mixed industry. There are usually a few staples produced for sale which the farm is adapted for by nature to produce; and, besides, there is a considerable variety of produce raised for home consumption by the family or by hired help. If the farmer would carefully count the cost of each of these products, he would doubtless find that he could profitably extend some of the small products, and sell the surplus at a profit, and not infrequently he would discover that some of the staples supposed to yield a sure profit are produced at a very small profit, or even at a loss. In short, the farmer who uses his brains, and does not solely rely upon the strength of his muscle, is most likely to be successful. The absolute failures are those who attempt to get along with a minimum expenditure of both qualities.

Stop the Cow Kicking.

The kicking cow, while milking, is an abomination, says a correspondent of the American Agriculturist. To prevent the kicking a small rope or large cord should be passed around the body just in front of the udder and over the top of the hips. It need not be drawn tight—just snug will do—and no cow to which it is applied will even try to



SIMPLE PLAN THAT PREVENTS KICKING.

kick. Sometimes a cow thus tethered will lift a foot as if to kick, but somehow she seems to change her mind and puts it down again.

Egg Plants.

The egg plant is not difficult to grow, and it is one of those vegetables not often seen on farmers' tables, but which, if provided, would help make an agreeable variety. The purple egg plant is most productive and best. The plant belongs to the same botanical family as the potato, and must be protected from attacks of the potato larva. The best way is to watch the plants closely so long as the potato beetles are flying, and kill the beetles before they have laid their eggs. If any larvae hatch a weak dilution of paris green will kill them.

Retail Prices of Cheese.

Considering the small risks run, middlemen make far too large a profit on cheese. Four, five and even six cents a pound between the wholesale and re-

tail prices is much too great a difference. When there is a good-sized family, all liking cheese, it does not take many days to dispose of a whole cheese. If more people would make cheese a staple article of diet, it could be used instead of meats with great advantage in summer.

Cutting Potato Seed.

It is slow, tedious work to cut the potato seed for planting large fields. Yet with most kinds of potatoes the cut seed is a necessity, for if the seed is planted whole there will be too many small potatoes from crowding of so many stalks in a hill. It is true not all the eyes on a whole or even of a cut potato will grow, but if seed is planted whole there will be far too many for profit. It is dirty work cutting potatoes, not so much from the soil adhering to them as from the potato juice, which discolors and rusts the knife and stains the hands. This discoloring is easily removed by wetting the hands in pure water without soap, and then holding them over one or two burning sulphur matches. The fumes of sulphur are excellent to bleach anything.

Making Cornrows Straight.

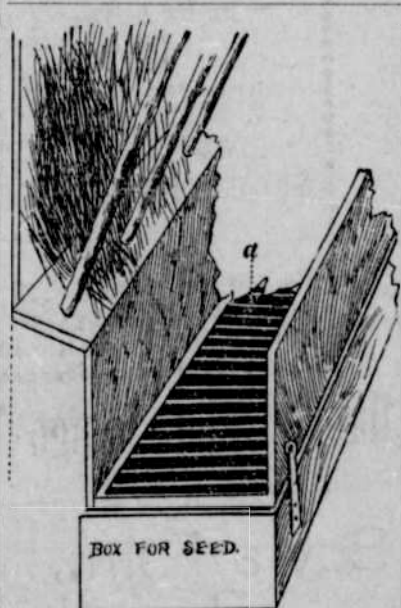
Much labor in cultivation may be saved by making corn rows straight. It is very hard to hold the cultivator so as to miss hills that are alternately a few inches out of plumb line one side or the other. The result is that in trying to save the hills it is impossible to cultivate the soil as it should be or to take all the weeds. With the corn in a straight line earth may be drawn from the stalk and thrown back again so as to destroy all the weeds while they are small. It requires not only a true eye in the driver, but an active, strong horse to draw the marker straight across the field. It is not every man or horse that can ever be taught to do it. Those who can should be paid extra for the job, for their work is really skilled labor.

Breeding Ground Hogs for Food.

Mr. Henry Singer, a well-known and thrifty farmer of near Duval Station, Scott County, Ky., has for the past two years been domesticating the ground hog with much success. Mr. Singer found a burrow in which he captured seventeen ground hogs, and, taking them into a small lot on his place, he built a close wire fence through which none could escape. Last year the hogs increased to 205, and this year there were 1,073. Of this number Mr. Singer killed 1,000, which he salted away and will smoke dry, as Kentucky farmers do with ordinary pork. The ground hog when so cured is a great delicacy, and Mr. Singer has more than enough to furnish his meat for the coming year.—Southwestern Stockman.

Save the Grass Seed.

It is an easy matter to save hay seed by a slatted manger bottom (a), as shown in the cut. If the seed is fanned, it may be used for spring seeding. Or, if weedy, as poultry never void undigested food, such seeds may be profitably fed to the poultry by placing in



A GRASS SEED CATCHER.

the scratch room each week.—Farm and Home.

Profit from Garden Herbs.

A few papers of herb seeds, such as sage, parsley and the like, should be found in every farmer's garden. They are easily grown, and a home supply will not only save paying out a good deal of money in the course of a year, but the surplus may be sold at rates which leave a good profit. The demand is not large in any neighborhood, but for the amount of land and labor required few garden products pay as well.

Work in Poultry Keeping.

Every year many people begin poultry keeping with a vague notion that it is an easy way to get a living, all the work being done mainly by the hens. But such persons inevitably fail, as they ought. There is no easy way to success in anything. To keep fowls free from vermin and disease needs constant attention and a great deal of dirty and very disagreeable manual labor.

Wheat Talk.

The rent of wheat land in South Carolina is estimated at \$2.46 an acre.

The average yield of wheat in New South Wales is fifteen bushels to the acre.

The native wheat occurs more than 100 times in the Old and New Testaments.

Graham flour, when properly made, consists of the whole wheat ground together.

Manitoba, the great wheat farm of British America, raises 19.7 bushels to the acre.

Couch grass, a very objectionable plant in wheat fields, is itself of the wheat family.

New Zealand is more productive than New South Wales, yielding 26.5 bushels per acre.

Drop us a line if you can't get Schilling's Best of your grocer, or if you don't like it and can't get your money back.

A Schilling & Company
San Francisco

A New Fuel.

Many attempts have been made to use turf or peat as fuel, but this material has never obtained great importance, because in comparison to its small heating value, its volume was too large, and consequently the transportation was found too expensive; moreover, the considerable amount of ashes it produced made it impracticable to use in any quantity. Suddenly it seems the time has arrived for peat to enter into competition with, and in some cases to substitute all other fuels. An invention, the economical importance of which is inestimable at the present moment, was recently patented by Mr. Rosendahl, of Christstad, Norway, which country probably possesses the largest deposits of peat in the world. His method of making a practical fuel of peat simply consists in heating the peat in iron ovens to 250 degrees centigrade, and when this temperature is reached to close all the valves of the oven, the temperature of 250 degrees being kept up for seven hours. This process changes the material considerably, and the tar and gaseous products of the coal-like remainder represent 80 per cent of the whole. A chemical analysis of the product, made at the Christiania University, showed the prepared peat to contain 65 per cent of pure carbon, 16 per cent of oxygen, 6 per cent of hydrogen, 4 per cent water and, what is most surprising, only 5 per cent of substances which will remain as residue in the shape of ashes. The new peat-coal has a theoretical heating value of 6,500 caloric units, which is equal to that of medium-grade anthracite coal. The cost of peat-coal, however, is so small that it can be sold at a profit for \$1.75 per ton, while an equal quantity of anthracite coal costs from \$4 to \$5. By the process of Rosendahl, even in its present crude state, the production of peat-coal costs but 75 cents per ton, and it is very likely that even this cost will be considerably reduced before long. Tests have been made with the new material at the Krupp works at Essen, Germany, and it was found that the new fuel gave better results than either anthracite or coke in the iron foundries and for the production of Bessemer steel.

In some of the cantons of Switzerland all the dead, rich as well as poor, are buried at the public expense. Coffins and all other necessary articles are furnished on application to certain undertakers designated by the government. Everything connected with the interment is absolutely gratuitous.

In the city of Durango, Mexico, is an iron mountain 640 feet high, and the iron is from 60 to 70 per cent pure. The metallic mass spreads in all directions for a radius of three or four miles.

The building inspector of Washington, D. C., has declared for day labor on public works, and has made such recommendation to the commissioners of the district.

During the last 50 years Germany, Austria and England have each retained their birth rates undiminished, while that of Italy has slightly increased.

An effort is under way to substitute electricity for steam at the Cripple Creek (Col.) mines. The cost of the coal at the mines is from \$6 to \$7 per ton.

A pair of gloves passes through about 200 hands from the moment the skin leaves the dressers until the gloves are purchased by the intending wearer.

Baltimore has fixed by an ordinance the pay of laborers at \$10 per week, nine hours a day. Philadelphia fixes the rate at \$1.75 for nine hours.

The Alabama legislature has passed a bill exempting cotton factories, hereafter to be built in Alabama, from taxation for ten years.

Boston employs 2,750 laborers, who receive from \$2.02 to \$2.25 a day, and a councilman wants 15 cents added to the pay of each employee.

Unemployed married members of the Minneapolis Typographical Union receive \$7 per week and single men \$5.

Modern progress has indicated the Japanese as the most intelligent of the dark-skinned races of mankind.

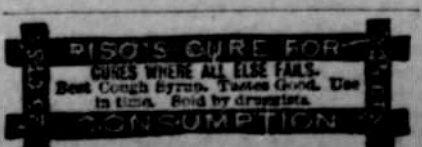
DRUNKARDS CAN BE SAVED

The craving for drink is a disease, a marvelous cure for which has been discovered called "Anti-Jag," which makes the inebriate lose all taste for strong drink without knowing why, as it can be given secretly in tea, coffee, soup and the like. If "Anti-Jag" is not kept by your druggist send one dollar to the Beneva Chemical Co., 66 Broadway, New York, and it will be sent postpaid, in plain wrapper, with full directions how to give secretly. Information mailed free.

THE TRIUMPH OF LOVE!**Happy and Fruitful Marriage.**

Every MAN who would know the GRAND TRUTHS, the Plain Facts, the Old Secrets and the New Discoveries of Medical Science applied to Married Life, who would alone for past failures and avoid future pitfalls, should write for our wonderful little book, titled "Complete Manhood and How to Attain It." To any earnest man we will mail one copy Entirely Free, in plain sealed cover.

ERIE MEDICAL CO., BUFFALO, N. Y.



Young Playwright—"And what did you think of my climax?" Critic—"It was very welcome."—Brooklyn Life.

She Snored—"How does your wife sleep?" asked the doctor of the man whose better half was under his care. "Orally," said the man.—Truth.

"Good canvasback ducks," said Rivers, "are quoted I see, at \$3 apiece. How true it is that riches have wings."—Chicago Tribune.

"Margaret always reads the end of a novel first." "Why?" "So she can lie awake at night wondering how it began."—Chicago Record.

"Pa, what is a pessimist?" "A pessimist, my son, is a person who never goes out on his wheel without expecting to puncture his tire."—Puck.

Mrs. Painter—"My husband is delighted with my pictures." Mrs. Pointer—"You don't say? Don't they look like you?"—Yonkers Statesman.

"Not every man is made a fool of," remarked the observer of men and things, "but every man has the raw material in him."—Detroit Journal.

"The decree," announced the messenger of Jupiter, "is that you shall be bound forever to the wheel!" "W-which make?" asked Ixion, anxiously.—Puck.

Police Magistrate—"Have you ever seen the prisoner at the bar?" Witness—"Never, your honor; but I've seen him when I strongly suspected he'd been at it."—Tit-Bits.

Yabsley—"Did you ever make a mistake in the dark and kiss the wrong girl?" Mudge—"No. I have got mixed in the dark and kissed some other girl."—Indianapolis Journal.

"Some men," said Uncle Eben, "kin train or dog ter do anything they tells 'im an' at de same time raise de mos' disobejant chillun in de neighborhood."—Washington Star.

"Dah ain' muen use o' sufferin' in silence," said Uncle Eben; "seems like if dis worl' picks out anybody for 'er victim, it ain' gwinter to be satisfied till he hollers."—Washington Star.

"And the divorce laws are so very liberal in your section?" "Liberal! Say! They are so liberal that nobody ever heard of a woman crying at a wedding out there."—Detroit Journal.

"My dear, if you took that face abroad you might have trouble in getting it home again." "What do you mean?" "I mean the tariff on art, my love."—Cleveland Plain Dealer.

Apprehension: The Professor—"As a matter of fact, there are different dialects in different parts of Scotland." Friend—"Great Scott! Are there more counties to hear from?"—Truth.

Mrs. Spatt—"Your husband is an inventor, I believe?" Mrs. Spatter—"Yes. Some of his excuses for coming home late at night are in use all over the country."—Philadelphia North American.

First Burglar—Lord, Bill dis advertisement wouldnt fool nobody. Second Burglar—Wot is it. First Burglar—Fifty dollars reward an' no questions as—signed by a woman.—Leslie's Weekly.

"Frisbie is the laziest man I ever knew." "What makes you think so?" "He actually seems to be glad that he's getting baldheaded, so that he won't have to comb his hair any more."—Cleveland Leader.

"Might I ask what school of poetry you prefer?" inquired the young man who writes. And the old gentleman replied: "The homeopathic school. The smaller the dose, the better it suits me."—Washington Star.

Pense—I suppose you've learned a great deal about gardening since you've lived in the country? Hubbard—Yes; I'm picking up something all the time. This year I've given up trying to raise my own vegetables.—Puck.

"How did they stop the elopement?" asked Maud. "By a detestable piece of trickery," replied Mamie; "her father put his head out of the window and shouted that her hat was on crooked, and when she grabbed for it she upset the tandem."—Washington Star.

"Why do you do up your hair in those papers, dear?" remarked General Weyer of his wife, as she came down to breakfast in the Cuban boarding-house. "Why, that's the way you do the enemy up, is it not, dear?" replied the general's spouse.—Yonkers Statesman.

Once upon a time two Cows reclined peacefully beneath a tree. "Oh, by the way," one of the Cows remarked casually, "why was it, if I may ask, that you didn't chase those golfers yesterday?" "Oh, I don't care to be the cause of little calves being made to suffer."—Detroit Free Press.

"How long is it going to take to get through with this case?" asked the client, who was under suspicion of house-breaking. "Well," replied the young lawyer, thoughtfully, "it'll take me about two weeks to get through with it, but I'm afraid it's going to take you about four years."—Washington Star.

Browner—So you haven't a bicycle, Miss Neere? Miss Neere—No, I looked at one the other day, but there was something about it I didn't like and the man wouldn't alter it, so I didn't get it. Browner—They generally make any alterations required. What was it you wanted altered? Miss Neere—The price.—Judy.

"It seems to me that you can be depended on to say the wrong thing more than any other man that I know." "What have I done?" "Insulted the Bliggins family." "Why, I tried to compliment them." "You said that their baby, who hasn't any hair, looked exactly like its father." "Yes." "Well, Bliggins is insulted on his own account, and his wife is insulted on behalf of the baby."—Indianapolis Journal.

Venezuela's Gift to New York.

At his studio at Garretson, Staten Island, Giovanni Turini, the sculptor, has begun work on an equestrian statue of General Simon Bolivar, the George Washington of Central America. The statue has been ordered by the government of Venezuela, and is to be a gift from that republic to the city of New York. It is to be placed in Central Park in place of the present statue of General Bolivar.

An automatic tension device for wire fences consists of a number of springs fastened to the ends of the wires, the ends of the springs being attached to a well-braced post at the end of the fence.

The large archaeological and ethnographic collection brought together by the government of Costa Rica has now commodiously installed in a building erected for the purpose at San Jose de Costa Rica.

A statistician says that of every 10,000 chimneys, three are struck by lightning, while of the same number of church steeples and windmills, sixty and eighty respectively are struck.

One of Edison's latest patents is a two-pointed receiver for the phonograph which will give two records at once from the same cylinder.

The Japanese government, instead of presenting medals to the soldiers who took part in the war against China, is to give them excellent Swiss watches.

Taking it year in and year out, the coldest hour of each 24 is 6 o'clock in the morning.

DISHONORED DRAFTS.

When the stomach dishonors the drafts made upon it by the rest of the system, it is necessary because its fund of strength is very low. Toned with Hostetter's Stomach Bitters, it soon begins to pay out vigor in the shape of pure, rich blood, containing the elements of muscle, bone and brain. As a sequence of the new vigor afforded the stomach, the bowels perform their function regularly, and the liver works like clock work. Malaria has no effect upon a system thus reinforced.

A captive bee striving to escape has been made to record as many as 15,540 wing strokes per minute in a late test.

HOME PRODUCTS AND PURE FOOD.

All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from glucose. "Tea Garden Drops" is made from Sugar Cane and is strictly pure. It is for sale by first-class grocers, in cans only. Manufactured by the PACIFIC COAST SYRUP CO. All genuine "Tea Garden Drops" have the manufacturer's name lithographed on every can.

The sea has no herbivorous animal. It is a great slaughter house where all the inhabitants prey on each other.

Beware of Ointments for Catarrh That Contain Mercury.

As mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces, such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is tenfold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally, and made in Toledo, O., by F. J. Cheney & Co. Testimonials free. Sold by Druggists, price 75c per bottle. Hall's Family Pills are the best.

New York is not only America's financial and commercial metropolis, but also its greatest manufacturing city.

Two bottles of Piso's Cure for Consumption cured me of a bad lung trouble.—Mrs. J. Nichols, Princeton, Ind., Mar. 26, 1895.

The haghish or myxine, has a custom of getting inside the cod and similar fishes and entirely consuming the interior, leaving only the skin and the skeleton.

In a recently patented attachment for automatically opening a pair of shears the shank of one blade is made wide and has a coiled spring extending from it to the opposite handle.

At Charleston, S. C., an importing and exporting company is being organized to import coffee from South America, and return the vessels with cargoes of cotton cloth.

**Gladness Comes**

With a better understanding of the transient nature of the many physical ills, which vanish before proper efforts—gentle efforts—pleasant efforts—rightly directed. There is comfort in the knowledge, that so many forms of sickness are not due to any actual disease, but simply to a constipated condition of the system, which the pleasant family laxative, Syrup of Figs, promptly removes. That is why it is the only remedy with millions of families, and is everywhere esteemed so highly by all who value good health. Its beneficial effects are due to the fact, that it is the one remedy which promotes internal cleanliness without debilitating the organs on which it acts. It is therefore all important, in order to get its beneficial effects, to note when you purchase, that you have the genuine article, which is manufactured by the California Fig Syrup Co. only and sold by all reputable druggists.

If in the enjoyment of good health, and the system is regular, laxatives or other remedies are then not needed. If afflicted with any actual disease, one may be commended to the most skillful physicians, but if in need of a laxative, one should have the best, and with the well-informed everywhere, Syrup of Figs stands highest and is most largely used and gives most general satisfaction.

PURITURE and FILES cured: no pay unless cured; send for book. DR. MANFIELD & PORTERFIELD, 328 Market St., San Francisco.

N.P.N.U. No. 705.—S.F.N.U. No. 783

A THOUGHT THAT KILLED A MAN!

HE thought that he could trifle with disease. He was run down in health, felt tired and worn out, complained of dizziness, biliousness, backaches and headaches. His liver and kidneys were out of order. He thought to get well by dosing himself with cheap remedies. And then came the ending. He fell a victim to Bright's disease! The money he ought to have invested in a safe, reliable remedy went for a tombstone.

Warrant Safe Care

Is the only standard remedy in the world for kidney and liver complaints. It is the only remedy which physicians universally prescribe. It is the only remedy that is backed by the testimony of thousands whom it has relieved and cured.

THERE IS NOTHING ELSE THAT CAN TAKE ITS PLACE**Scrofula**

Is a deep-seated blood disease which all the mineral mixtures in the world cannot cure. S.S.S. (guaranteed purely vegetable) is a real blood remedy for blood diseases and has no equal.

Mrs. Y. T. Buck, of Delaney, Ark., had Scrofula for twenty-five years, and most of the time was under the care of the doctors who could not relieve her. A specialist said he could cure her, but he filled her with arsenic and potash which almost ruined her constitution. She then took nearly every so-called blood medicine and drank them by the wholesale, but they did not reach her trouble. Some one advised her to try S.S.S. and she very soon found that she had a real blood remedy at last. She says: "After taking one dozen bottles of S.S.S. I am perfectly well, my skin is clear and healthy and I would not be in my former condition for two thousand dollars. Instead of drying up the poison in my system, like the potash and arsenic, S.S.S. drove the disease out through the skin and I was permanently rid of it."



A Real Blood Remedy.
S.S.S. never fails to cure Scrofula, Eczema, Rheumatism, Contagious Blood Poison, or any disorder of the blood. Do not rely upon a simple tonic to cure a deep-seated blood disease, but take a real blood remedy.

Our books free upon application. Swift Specific Co., Atlanta, Ga.

SSS**BE MANLY!**

You cannot afford to let physical weakness stifle ambition and mar your future. If you are not the man you should be at your age, if you have wasted your strength, if you feel the need of a remedy that will bring back the vigor of youth, that will restore your energy and strength, do not hesitate. Get that grandest of all remedies,

Dr. Sanden's Electric Belt.

The modern life-giver. It is nature's remedy for weak men. Thousands of young, middle-aged and old men have been renewed invigorated and strengthened by its life-giving current. It cures when medicine fails. Improved electric suspensory free with each belt. A pocket edition of the celebrated electro-medical work,

"Three Classes of Men"

Illustrated, is sent free, sealed, by mail to all who write, or it can be had at the office upon application. Every young, middle-aged or old man suffering from the slightest weakness should read it. It will show a safe and speedy way to regain manly strength when everything else has failed. Call or address

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We carry the most complete line of Gymnasium and Athletic Goods on the Coast. SUITS AND UNIFORMS MADE TO ORDER. Send for Our Athletic Catalogue.

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WHEAT
Make money by successful speculation in Chicago. We buy and sell wheat there on margin. Fortunes have been made on a small beginning by trading in futures. Write for full particulars. Best of reference given. Several years' experience on the Chicago Board of Trade, and a thorough knowledge of the business. Dowling, Hopkins & Co., Chicago Board of Trade Brokers. Offices in Portland, Oregon, Spokane and Seattle, Wash.

CHILDREN'S TEETHING
Mrs. W. H. H. writes: "I should always be glad to see your teething book. It is the best I have ever seen. It is the best of all."