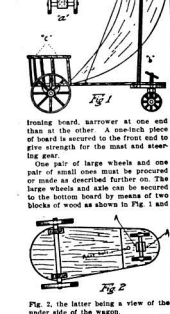
For the LITTLE ONES

HOW TO MAKE A SAIL WAGON

Does Not Take Average Boy Long to Arrange One to Suit Himself—General Description.

In Fig. 1 the sail wagon is shown complete with an end view at "a" showing the steering arrangement. A board about 3 feet, 6 inches in length, by 18 inches across and about one-half or three-quarters inch thick, is used for a shape something like an ironing board, narrower at one end than at the other. A one-inch piece of board is secured to the front end to give strength for the mast and steering gear.



One pair of large wheels and one pair of small ones must be bought or made as described further on. The large wheels and axle can be secured to the bottom board by means of two blocks of wood as shown in Fig. 1 and

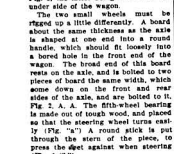


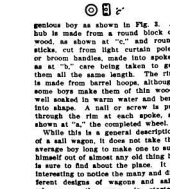
Fig. 2, the latter being a view of the under side of the wagon.

The two small wheels must be rigged up a little differently. A board about the same thickness as the axle is shaped at one end into a round handle, which should fit loosely into a bored hole in the front end of the wagon. The broad end of this board rests on the axle, and is bolted to two pieces of board the same width, which come down on the front and rear sides of the axle, and are bolted to it, Fig. 3 a. A. The fifth-wheel bearing is made out of tough wood, and placed so that the steering wheel turns easily. In Fig. "a") A round stick is put through the stem of the piece, to press the duck against when steering (Fig. 1 "b").

Some boys make a rail (Fig. 1, "c") around the end, that they sit on.

The mast can be made from a round stick about 4 feet, 6 inches long. A broom handle will do for the cross arm, to which the sail is attached. The sail should be so arranged that it can be very quickly lowered should the wind get the best of the wagon.

Should it be found inconvenient readily to procure a set of discarded baby buggy or express wagon wheels, they can easily be made by an ingenious boy as shown in Fig. 3. A bulb is made from a round block of wood, as shown at "c," and round sticks, cut from light curtain poles or broom handles, made into spokes as at "b," care being taken to get them all the same length. The rim is made from barrel hoops, although some boys make them of thin wood, well soaked in warm water and put into shape. A nail or screw is put through the rim at each spoke, as shown at "a," the completed wheel.



While this is a general description of a sail wagon, it does not take the average boy long to make one to suit himself out of almost any old thing he sees to be had about the place. It is interesting to notice the many and different designs of wagons and sails when once the craze is started. Smooth roads, an open space and plenty of wind is all that is necessary for a successful sail-wagon race.

The Truth.

Father and son were walking the streets and passed a large park in which were many statues. One of them—the largest of all—was of a woman.

"Father, what is that?" asked the son, pointing to this particular one, which was inscribed "Woman."

"That is not a statue, my son," answered the father. "It is but a figure of speech."—Life.

A GOLDEN WORLD.

I feel like a second Columbus,
For I have discovered, you see,
A world in the shape of an orange
Which grandma has given to me!

'Tis covered with wrinkles and creases
Which represent mountains and valleys,
Deep caverns, large islands and rivers
I trace on its surface with ease.

And way down below this tough cover
Gold juices are rolling around
Like lava beneath the earth's surface—
Just see what a treasure I've found.

'Tis a valuable world I am certain,
All golden without as within,
And people who live in an orange
Can never commit any sin!

I wish that the world of Columbus—
America, home of the free—
Were as good as the gold of my orange,
Perhaps it depends upon me!

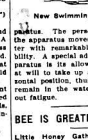
For looking for good I can find it,
And trying to live every day
I'll find them more gentle and loving
Than ever before I have done!

AIR CUSHIONS AID SWIMMER

Apparatus Designed by German Master Enables Person to Move About in Water Freely.

The swimming apparatus designed by a German swimming master is both for trained swimmers and those ignorant of the art. When out of use, this apparatus is readily carried in the pocket, says the Popular Mechanics. It consists of two oblong air cushions, each subdivided into five compartments which are connected together by transversal straps. Before putting the apparatus, which consists of thin caoutchouc lined with a dense fabric, it is inflated through a valve, which the act. takes seconds, by a few strong breaths.

Being arranged on both sides of the body, the apparatus leaves the head and neck perfectly free, thus doing away with any pendulating motions characteristic of most salvage apparatus. The person equipped with the apparatus moves about in the water with remarkable safety and ability. A special advantage of the apparatus is its allowing the swimmer at will to take up a vertical or horizontal position, thus enabling him to remain in the water for hours without fatigue.



New Swimming Apparatus.

BEE IS GREATEST ENGINEER

Little Honey Gatherer Has Solved Problem of Room, of Lightest Material and Strength.

Probably King Solomon has been over entitled in his judgment for assigning the "sluggard" to the ant, there to "consider her ways and be wise." We can't say, but it may have been that in Solomon's time they didn't see the present day Italian honey bee turning out comb honey in the commercial square, round frames. We are assured just now that taking up a pound of honey in an ordinary frame, the average engineer ought to feel immensely incompetent and unwise as to ordinary ways and means in engineering results.

In the construction of the hexagon honey cell of material from her own body, the working bee at once has solved the problem of economy of room, of the lightest possible material of greatest strength, while the dividing wall in each honey case allows the greatest number of work ers to continue "on the job." A H. Godard, writing of the engineering capacity of this honey bee says: "I have seen strips of comb a foot wide and a foot long containing a weight of 30 or 40 pounds of honey, while the comb itself would probably not weigh more than five or six ounces. We need not hesitate to say that such a structure compares favorably with some of the best achievements of the modern engineering skill of man."

The Home Team.

"Can I get off this afternoon to go to a funeral?" asked the office boy.

"Whose funeral?" asked the man with a cynical smile.

"I guess it's goin' to be the home team's."—Yonkers Statesman.

NOTES from MEADOWBROOK FARM

By William Pitt

Ducks eat many bugs.

Goslings must have free range.

The quickest returns are from baby beef.

Exercise is essential to the best growth of the foal.

You have some things to learn after you get an incubator.

The best time to cut the lamb's tail and castrate is at one week old.

Calves make more gain with a given amount of food than does older stock.

Too much emphasis cannot be laid upon the use of cover crops in our orchards.

Giving water at irregular times is injurious not only to chicks, but to old fowls.

It is seldom that the very early varieties of potatoes yield so well as those a little later.

Man's object in fruit growing is the production and improvement of the edible portion of the fruit.

Good ventilation is essential; but it should be so arranged that the cows shall not be exposed to a draught.

Everybody knows that in July weather cows give a larger amount of milk than in cold and wintry weather.

Build a good shed to shelter the tools; it is doubtful if you can make 33 1-3 per cent. profit in any other way.

There is a best temperature for each individual lot of cream, but this can be determined only by experiment.

Are there any old apple trees in your orchard bearing undesirable fruit? Easy to graft good varieties upon them.

Keep on good terms with the ewes so that you can catch and handle them without causing undue disturbance in the pens.

There is no phase of the dairy business that needs more study or more careful management than does the breeding of the cow.

As the time draws near for calving, the cow should be put into a comfortable box stall, having plenty of bedding to keep her dry.

The open swill barrel standing by the kitchen door is a direct invitation to typhoid, diphtheria and like diseases to enter the home.

When live stock prices drop it is always the man who knows how to make meat at the least cost per pound who realizes the largest profit.

When the fruit buds come very thick most people take it as a sign of a heavy crop, but the buds are too thickly it must necessarily be very small.

If the udder becomes hard there shows a tendency to garget, apply unsalted lard and give it a vigorous rubbing; after which give the ewe a good dose of salts.

Skim milk, which is whole milk, minus part of its fat, and which costs only half as much as whole milk, furnishes protein about four times as cheaply as beef.

When the cow is comfortable and contented she will generally give her milk far in excess of that which she gives when she has been uncomfortable and irritated.

Cherry rot or brown rot affects all stone fruits, including peach, apricots, plums, and it is a very serious and baffling of cherry diseases to the commercial cherry grower.

Never feed hay, or sweep or in any way stir up dust just previous to milking time, for this will contribute to the introduction of bacteria, which contaminates and injures the quality of the milk.

In dipping pigs great care must be exercised not to drown any part of his body from tail to snout. If a patch as big as a thumb nail is left uncourbed it may contain the nucleus of a new crop.

At the time of mating, if the ewes are put on an alfalfa or fresh pasture, they are more apt to come in heat and take the ram quicker, and this brings your lambs in a shorter time and the lambing is over with more quickly than if they come along, in say two or three months.

Keep the land busy.

Examine the ewe's udder.

Turkeys are quickly destroyed by insects.

The first crop of alsike clover is the one to save for seed.

Mules are especially annoying and frequently kill young colts.

Alfalfa cannot stand pasturing the first season, and never closely.

A dairy cow should be allowed to rest from six to eight weeks before freshening.

Where dairying is not practiced the calf will have also to pay for keeping the cow a year.

Twenty tons of stable manure on a half acre is about the right proportion for the garden.

The best broken corn is grown in Illinois and Indiana. It requires a deep, rich mellow soil.

The way to get a good milk flow and hold it through the year is to give good cows good care.

It is estimated that more than a million fruit trees will be set out in Montana the present season.

American farmers buy more than one hundred million dollars' worth of farm machinery every year.

The way he carries his head and tail more than anything else contributes to style in the horse.

A capon will sell on the market for about double the price per pound that is paid for uncaponized cockerels.

Examine the ewe's udder and teats carefully, see that both teats are open or you may get a caked udder.

It is not enough that the sire be full-bred, there must be individual merit as well as blue-blooded ancestry.

Where small runs are used, scrape and sweep them before heavy rains. Then turn the ground over and sow oats.

Keep a lookout for colds; it means money if you do so. Use a little kerosene and vaseline and check the cold.

Of course, the fruit must have more than one blossom, but nature will take care of that after intelligent pruning has been done.

The milker should be clean in all respects. He should not use tobacco; he should wash and dry his hands just before milking.

The abropshire sheep have been placed rank one, the Hampshire rank two, the Southdown three. The Dorset ranks fourth.

Location and demand govern to a large extent the particular phase of dairying practiced in the various sections of our country.

Every orchardist must use his own judgment as to how his spraying operations for the control of the codling moth shall be carried on.

Where cows are kept in the stalls much of the time, it is not unreasonable to see that the bedding should be light enough for one to read in.

Don't neglect to grease the wagons that do the regular work about the farm. The heat oil is cheaper than horseflesh, and is not more humane.

Cantaloupes should not be grown near any vegetable of the cucumber vines, as the pollen will mix, giving the cantaloupes a flavor of the squash or cucumber.

Feed that is left in the manger overnight after being mussed over becomes sour and unwholesome for horses, and manger thoroughly cleaned before putting in fresh feed.

Let the new-born calf stay in the pen with its mother for several days, and she will let it feed at times and in amounts best suited to its needs in life.

During the hot, dry summer, and in fly time, it is desirable to make dairy cows more comfortable than can be done while they are running about and gathering their own food.

Just how deeply the corn and other cultivated crops should be cultivated and just how long the cultivation should be continued is a matter over which farmers differ widely in opinion.

Barley meal, low grade flour and white middlings added to the mash are certain to prevent summer diarrhoeas. Keep granulated charcoal before the birds for the same purpose.

Undoubtedly one of the most remarkable examples of the poultry business for the average poultryman is the production of eggs, combined with the sale of market broilers as a side line.

An open-front house with sloping board roof and triangular board skirt makes a good place for the pigs or brood sow in summer. Another good shelter for summer use is one with the roof only sloping two ways and the ends left out. This is protecting and cool.

Cooling as an icicle

If you want to think of crisp winter weather and sparkling frost; if you want to forget the heat and the dust and the tiring for real, cool comfort

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TOO BAD.

Edith—Papa wouldn't let me marry Mr. Stingy because he always buys cheap cigars.

Edward—He can't say that about me.

Edith—No, he says you smoke too expensive ones.

A Quaint Thought.

Miss Geraldine Farrar, seated in her deck chair on the George Washington, regarded a half-dozen urchins playing on the sunny deck, and then said with a pensive smile:

"I often wonder, considering what charming things children are, where all the queer old men come from!"

SPOHN'S DISTEMPER CURE will prevent possible case of DISTEMPER, PINK EYE, and the like among horses of all ages, and prevents all others in the same stable from having the disease. Also cures chicken cholera, and dog distemper. Any good druggist can supply you, or send to mfrs. 50 cents and $1.00 a bottle. Agents wanted. Free book. Spohn Medical Co., Spec. Contagious Diseases, Chicago, Ind.

The Nature-Fake.

"Congratulations!"

"For what?"

"I hear one of your exhibits took a prize at the dog and poultry show."

"Well, keep still about it. I entered a skye terrier and he took first prize as a Mongolian lap!"

Important to Mothers

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Lewis' Single Binder straight 5c cigar. You pay 10c for cigars not so good.

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