

A CANVAS CANOE.

HOW TO BUILD AND RIG ONE.

By JAMES H. BEARD.

There are few things which, in the eyes of the average boy, are more to be desired than a canoe, and there is nothing which in the eyes of the average mother seems less desirable.

Don't go ahead blindly, but gain an idea of your work as a whole before you really begin.

To make what I might describe as the center timber of the backbone, A, Fig. 1, a piece of pine is needed, fourteen feet long and four inches in both breadth and thickness.

B, C are made from a piece of board five feet long and one-half inch wide. Saw this across. Fig. 2 shows one of these sections.

C, D are one inch deep and extend three inches on each side of the aperture A. From oak or some other hard wood cut two pieces such as A, Fig. 3, ten inches long, three inches wide, one inch thick.

THE END SECTIONS. R, O, Fig. 1, are made from two pieces of oak six inches wide, two feet long and three inches thick.

The boards F, G, Fig. 1, are exactly alike, about sixteen and one-half feet long, five inches wide and three-quarters of an inch thick.

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Be particularly careful in the work which follows. Draw the ends EG together and bond with rope. Saw the end piece off so that it will flush with the upper edges of the boards.

FIGURE 8. This shows a top view of the canoe. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 9. This shows a side view of the canoe. The boards AB are eight inches wide, and CD are four inches wide.

For when a canoe is pitching considerably the rudder, unless buried deeply, will be continually thrown out of the water, and the rudder interferes with the steering.

In making a keel the same conditions will govern its shape. A short, deep keel will enable you to steer more easily, while with a long, narrow one you can, of course, sail in much shallower water.

The keel is made of a board of five feet long and one foot wide. Across each end fasten a smaller board, in the center of which has been cut a notch to fit over the objectionable beam.

The Sails—A very neat style of sail, when only a small spread of canvas is desired, will be found in the leg of mutton rig (see figure 11).

When pushed through the holes in the deck and fitted into the steps they should stand directly vertical.

Not only her own big doll family, but all dolls, fine or shabby, large or small, black hair, blue eyes, brass, wood or some substance which will not rust are sufficient for the larger mast and seven for the smaller.

FIGURE 10. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 11. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 12. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 13. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 14. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 15. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 16. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

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FIGURE 18. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 19. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

FIGURE 20. This shows a detail of the rigging. The boards AB are eight inches wide, and CD are four inches wide.

to give up doll games. Accordingly she piled on 'til bed all the dolls' clothes, added several lead pencils, a few sticks of cinnamon, grated over this some nutmeg, and emptied over the concoction a dash of perfume.

George Elliot possessed several dolls in her childhood, but gave little heed to her affection for it by fit and starts.

The Marquis Carcano, a horse breeder well known in Lombardy, possesses, it is said, a pair of the smallest horses which exist.

Richard—We are always wanting something we never get. Little Johnny (interrupting)—When I say I want a whipping I notice I always get it.

Josephine Kipling, the eldest child of Rudyard Kipling, was recently punished for telling an untruth and went to bed sobbing rebelliously.

And then, said the mother in telling the fairy story, "The wicked magician waved his wand over the beautiful princess and changed into a lovely white cat."

The Times says that there is a little boy in North Denver who has the proper idea of protecting his interests.

A certain Oakland, Cal., boy of 5 years almost got himself into serious trouble the other day by being generous.

Sen Francisco Call. The goodest old doctor came when we were sick. "That is, doily was sick and me.

"You'll need lemonade, that I can see." And he sounded like fairies I've heard in my dream.

Well, the doily, you know, was sick only in play. "And I really can't talk, drink or eat.

That is, doily was sick and me. "That is, doily was sick and me.

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man had struck another across the head with a stick, raised the Chicago Post.

What's words to them whom faith and truth in war's red thimble rang true metal;

It is said there are 150,000 believers in mere spiritualism in this country.

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