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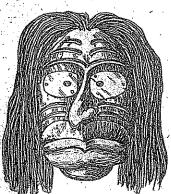
## HANDCRAFTS

HOW TO CRAFT DOZENS OF PRACTICAL OBJECTS USING TRADITIONAL INDIAN TECHNIQUES

Corn-linsk Doll

The dye for leather moccasins. was made from bark, leaves, or woodland flowers. The shoes were then decorated for ceremonial purposes, with quiltwork, beads, or paint.





Tapered Stem

The Iroquois wooden false-face mask was said to have curative powers over illness or injury.



KEITH WILBUR, M.D.
REVISED EDITION

DUGOUT CANOES.

BUNCHES OF FIVE, WITH

LONG TAPERED PINE

CONES.

The native Americans were astounded at the size of the early European sailing ships. Where, indeed, did trees grow to such a dargantuan size-large enough to hollow a vessel of such proportions?

William Wood, in his 1634 New England's Prospect, described the dugout as made of pine 'burned hollow, [then] scraping them smooth

Blue-creen needles in with clam shells and oyster shells, culting their outsides with stone hatchets. These boats be not above a foot and a half or two feet wide

and twenty foot long."

It is difficult to imagine these whitepine giants being felled, trimmed, and hollowed by burning - and the char being thipped away with primitive tools. Yet experienced craftsmen could trim the sides to within 3 inch and could completely shape and finish an average cance in just three weeks.

CONTROLLED

BURNING AND AXING

AWAY THE CHAR OLTIMATELY LEVELED THE PINE. THE TOP AND BRANCHES WERE REMOVED IN LIKE MANNER TO GIVE A TRUNK OF THE DESIRED

LENGTH, SUPPORTS RAISED THE PIECE TO A WORK-ABLE HEIGHT.

AFTER, THE BARK WAS STRIPPED FREE, A FIRE BURNED THE TOP DOWN TO THE GUNWALES.

CHIPPING AND SCRAPING THE CHAR CONTINUED UNTIL THE INSIDE WAS HOLLOWED. THE JUDICIOUS USE OF WATER SHUFFED OUT ANY FLAMES THAT MIGHT EAT INTO

THE DUGOUT'S SIDES AND BOTTOM.

GOUGE - THE GROOVED CUTTING EDGE SCOOPED OUT CHUNKS OF LATE ARCHAIC. THE BURNED WOOD.

QUAROG SHELL - THE OCEAN'S READY-MADE SCRAPER - AND CHIPPED STORE SCRAPERS GAVE A SMOOTH FINISH BY REMOVING RESIDUAL CHAR FROM THE

INSIDE OF THE CAMOE.



A FOREST ARISTOCRAT - THE GIANT WHITE PINE

KATCKET - WILLIAM WOOD HOTED IN 1634 THAT THE INDIANS FINISHED THEIR DUGOUTS BY "CUTTING THEIR OUT-SIDES WITH STONE HATCHETS. LATE ARCHAIC-CERAMIC

GROOVED AX" A. HEFTY PIECE OF STONE THAT COULD FELL A TREE WITH THE KELP OF FIRE. LATE ARCHAIC.



HANDLES, AS WEDGES.

LATE ARCHAIC - CERAMIC

CELT-

USEFUL FOR CHIP

PING OUT CHAR . SOME

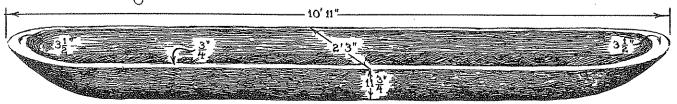
WERE USED WITHOUT

Ancient descriptions cannot compare with actually SEEING a 500-year-old dupout. In 1965, a severe drought had reduced much of the Great Pond reservoir to muck at Weymouth, Massachusetts. The discovery of the decade began when a group of boys chanced upon a protruding thunk of water-soaked wood. Armed with shovels, they gradually exposed an extremely rare Algonquian dupout canoe, preserved in the mud bottom since AD.1450.

Now safety displayed in the T. It's Library of Massachusett.

Now safely displayed in the Tufts Library at Weymouth, the cance stands as a monument to the ancient art of burning and scraping a seaworthy

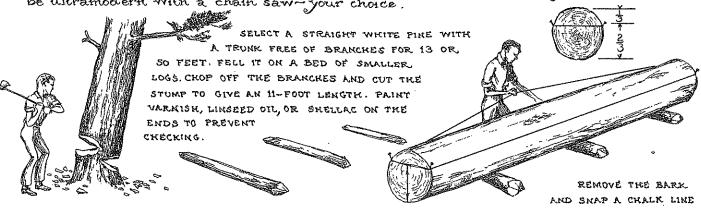
craft from a log.



APPROXIMATE MEASUREMENTS OF WEYMOUTH DUGOUT - MASSACHUSETTS ARCHAEOLOGICAL BULLETIN' OCTOBER 1968

## REPRODUCING THE DUGOUT

Ever since the Weymouth discovery, I hankered to see if a dupout affort handled more like a log than a canoe. A twentieth-century copy was the answer. It happened that a nearby white pine-just the dimensions of the drawing above-had been struck by lightning. A logger friend dropped the trunk off at my back yard. I attacked the giant with some typical colonial tools. You may wish to burn and scrape in the old way-or even to be ultramodern with a chain saw-your choice.



CUT DOWN TO THE CHALK LINES WITH A SAW. SPACE CUTS ABOUT 8 OR 9 INCHES APART, OR CUT NOTCHES DOWN TO THE CHALK LINES. MAKE NOTCHES ABOUT 12 INCHES APART.

TWO-THIRDS OF THE WAY FROM THE LOG BOTTOM. USE WET CHARCOAL DUST ON THE CHALK LINE IF THE CHALK 15 DIFFICULT TO SEE.

SPLIT OFF THE BLOCKS

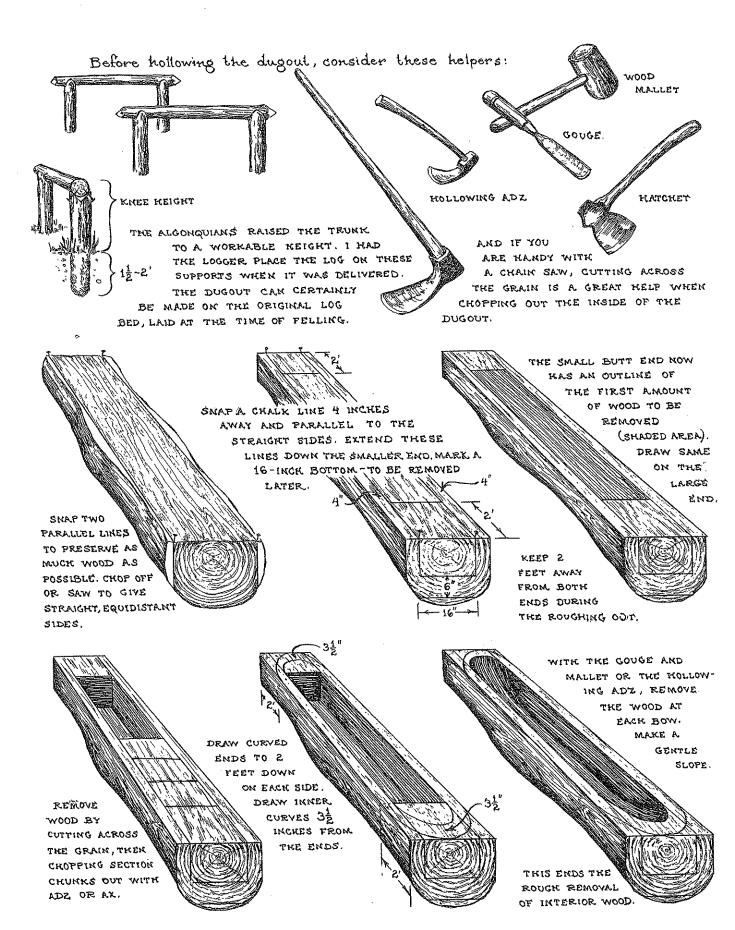
BETWEEN THE CUTS OR

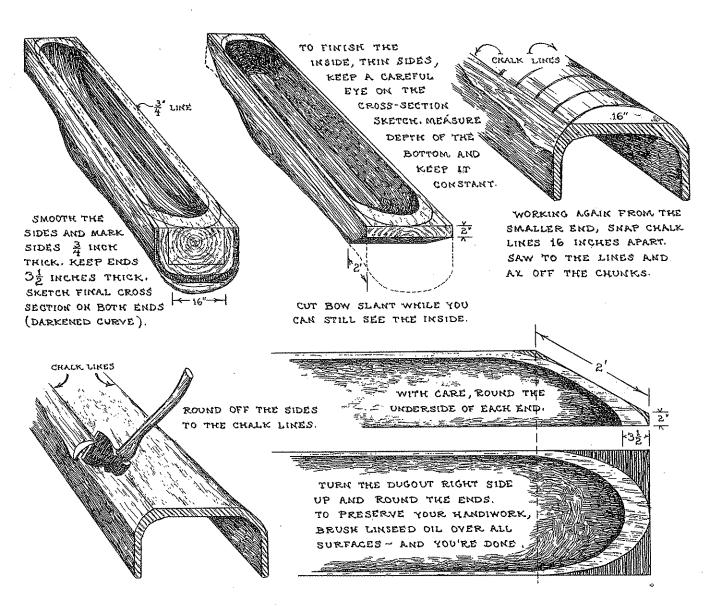
NOTCHE'S WITH TWO

WEDGE'S DRIVEN INTO

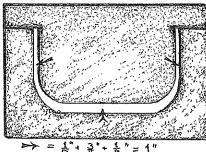
EACH SIDE OF THE CHUNK. OR AN AX OR

AN ADZ MAY HELP FLATTEN THE LOG TOP,

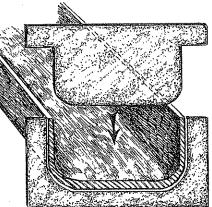




CONCERNED THAT DIGGING OUT THE DUGOUT MIGHT CHOP HOLES THROUGH THE SIDES OR BOTTOM? YOU MIGHT TRY THESE TWO IDEAS TO AVOID MAKING A LEAKY WOODEN BATHTUB.



→ = ½°+ ¾°+ ½° = 1" → = ½°+ 1°+ ½° = 1½°



CUT OUT A CARDBOARD PATTERN TO FIT YOUR PARTICULAR LOG. CUT OFF  $\frac{1}{6}$  INCH EXTRA ON INSIDE AND OUTSIDE PATTERNS FOR EASIER, INSERTION IN THE DUGOUT.

ANOTHER THOUGHT~ ALTHOUGH I FOUND IT UNNECESSARY. DIP HARDWOOD SLIVERS INTO INK TO A POINT SLIGHTLY GREATER THAN THE WIDTH OF THE SIDE, MAKE A HOLE WITH AN AWL, NAIL, OR DRILL AND DRIVE IN THE SLIVER. REMOVE INSIDE WOOD UNTIL THE COLOR SHOWS.

