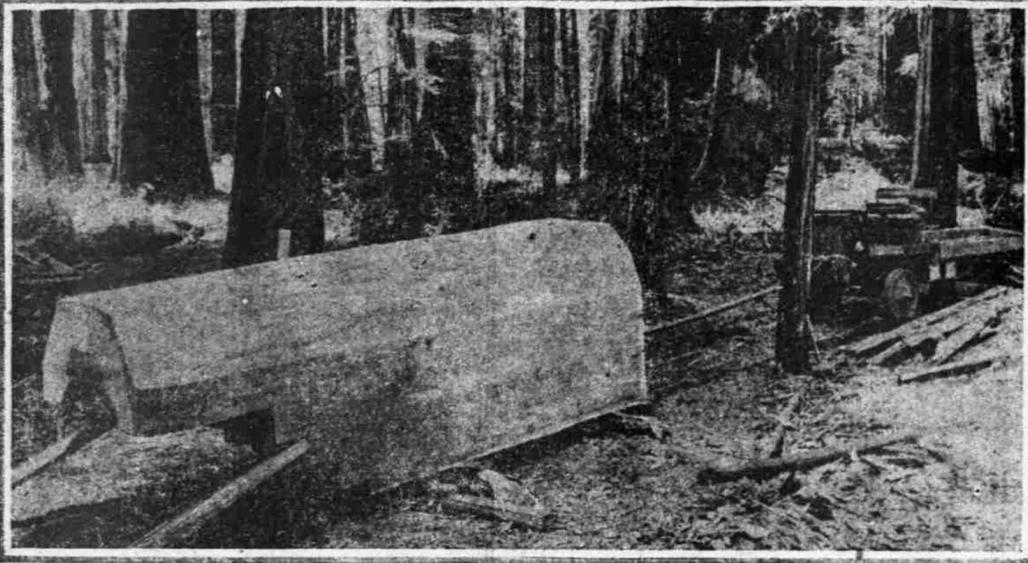
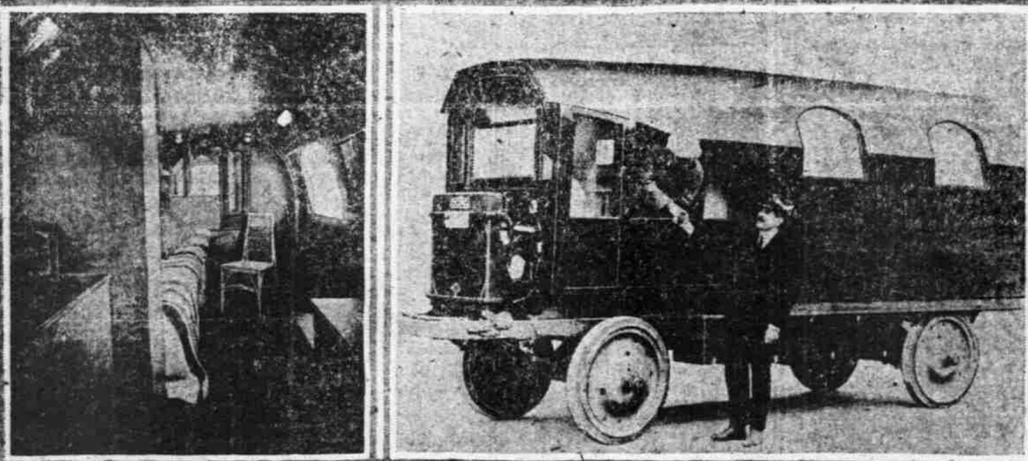


# Man's Ingenuity Makes Palace Car of Tree Log, Ship of Pipe Fittings



Photo, upper left, shows bedroom of palace car on automobile truck made by California man from a giant redwood tree. It has the appearance of a Pullman, and the owner no doubt finds it almost as well appointed. Photo, upper right, shows the builder ready for his

5,000 miles through the West. Photo below shows the big log almost ready to be mounted and "finished" before being placed in service on the truck.

Photos by Robert H. Moulton, Courtesy Scientific American.

## HOUSE CARVED OUT OF GIANT REDWOOD DRIVEN 5,000 MILES

Men continue to marvel at man. Here are examples of two men who had original ideas. By ingenuity and perseverance they developed them. A California man found on old redwood log, 200 feet long, near his home. He passed it daily and began turning over to his mind some good use to which it could be put. An automobile body, in which is built two beds, a kitchenette, closets, and several other compartments, grew out of the idea. In Bridgeport, people were talking

about building ships—wooden ships, concrete ships, non-sinkable ships, and steel ships. An ingenious plumber assembled a ship of his own, made entirely of pipe fittings. It is electrically operated and "performs" much in the same manner as the super-dreadnaught.

Charles Kellogg, of Santa Clara county, Cal., is attracting attention in the automobile world today by an automobile top which he cut from a section of a giant redwood tree

that he found lying in a forest of the western coast. The tree was 300 feet long and averaged eleven feet in diameter for a long distance above the roots. Kellogg cut a twenty-foot section from the butt and hollowed it out, forming a three-room apartment. The tree from which the body was made was a fallen monarch that had been lying on the ground for perhaps a hundred years without any sign of decay. As a matter of fact, the wood was found to be full of sap and alive notwithstanding that the tree had been uprooted for a century. The twenty-foot section when first cut, a fourteen-foot saw being used for the purpose—weighed approximately forty tons, says the Scientific American.

### An Automobile Flat.

The first step after the section had been cut was to remove the bark. Then the task of hollowing out the trunk was begun. This was found to be most difficult. A couple of expert axmen first attacked it, but at

the end of three days were worn out and gave up the job. Oxy-acetylene was then tried, but this also failed, as the redwood proved impervious to the flames, the wood carbonizing in a wall.

Mr. Kellogg then put some of his own ideas into operation. He first drove a gas pipe through the heart of the log, using the truck on which the body was to be mounted as a battering ram. This small aperture was enlarged by a peeper wood chisel fastened to the front of the truck with chains. Then the hollowing out process was completed with a twenty-two-foot chisel operated in the same manner. This left a shell one foot thick, and Mr. Kellogg trusted to the eye alone in smoothing out the log and modelling as a sculptor would into a beautifully shaped body.

### 6,000-Pound Shell.

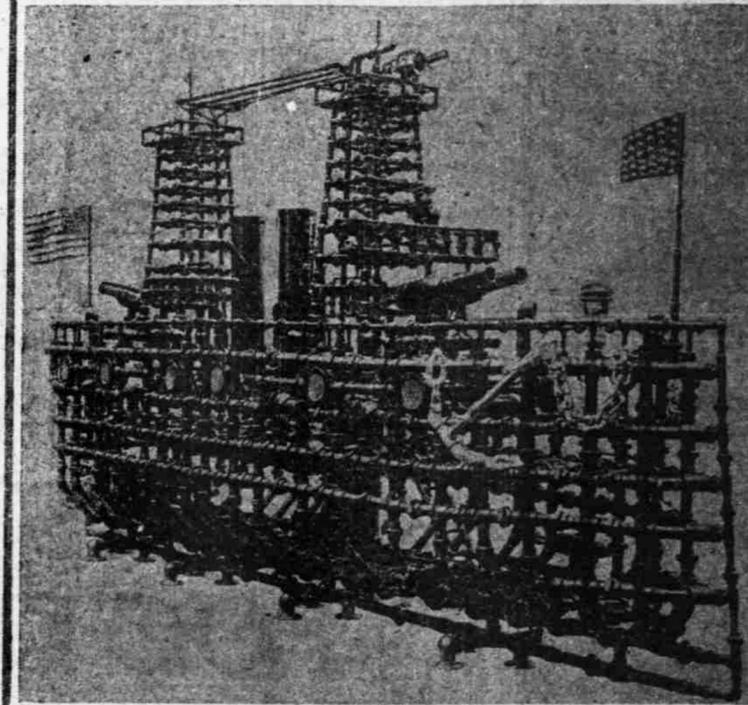
As the shell in its unfinished state weighed in the neighborhood of 6,000 pounds, the problem of mounting it on the truck was a difficult one. This was finally solved by cribbing the corners with slabs and digging a passageway in the soft forest floor beneath. The truck was then driven under the great log and the latter lowered into place.

Next came the task of drying out the body without checking, to get rid of surplus weight. This was accomplished by sealing all apertures and turning on a sprinkler for two weeks. This washed out the sap and hastened the seasoning process. At the end of the two weeks the log had lost 1,200 pounds in weight.

### An Automobile Flat.

Mr. Kellogg himself cut the windows and planned the interior. He found places for two beds, a kitchenette, yacht lavatory, closets, electric fixtures, and wiring. Then came some exquisite cabinet work, clever little drawers, folding arrangements and plate glass windows. The body of the car is nineteen feet long and contains three rooms, each six feet square, a living room, a bedroom, and a chauffeur's room. The rooms are all luxuriously furnished, a feature of the living room being a small fireplace.

Mr. Kellogg has driven his "Travel-Log," as he calls it, more than five thousand miles over the famous mountain roads of California, and has found little difficulty in negotiating the steepest grades. In spite of the fact that the truck, which was designed to have a capacity of two tons,



This photo shows the novel battleship "New York," made by a plumber from pipe fittings. Just press a button and the "super-dreadnaught," which is electrically equipped, appears to be a live thing. Its propeller buzzes, a dummy commander salutes, lights flash, guns roar, and a searchlight casts a piercing look about.

carries an overload of more than 3,000 pounds.

### Only Battleship of Its Kind.

In these days of feverish ship-building all kinds of marine architecture are coming to the front. We read about wooden ships, concrete ships, steel ships, standardized ships, corrugated ships, and so on. But there is a certain amount of freshness in the latest addition to our present collection, says the current issue of the Scientific American, namely, a model of the super-dreadnaught New York, built entirely of pipe fittings and valves and plumbers' specialties.

This novel battleship was designed and constructed in a Bridgeport plant devoted to the manufacture of pipe fittings. In completed form it was transported from Bridgeport to New York city on a large motor truck.

### Electrically Equipped.

The ship is electrically wired throughout, the wires running in conduits. The mere pressing of a button brings the ship into action, the propeller rotates, the commander salutes, lights flash, guns roar, one wireless crackles, and the searchlight casts a piercing look about. The entire action is automatic and may be repeated indefinitely or until the pressing of another button stops it. A row of colored electric lights run from bow to stern over the mast tops, and when in action the model makes an attractive exhibition.

## BEST ARMY EVER, SAYS TAFT; ASKS 5,000,000 DRAFT

That the selective draft had developed into the finest body of fighting men the world had ever known, and that 5,000,000 of them sent "over there" within the next two or three years would bring victory to humanity's cause, were the features of the address of former President William Howard Taft before the members of the National Geographic Society at Masonic Temple Auditorium last night.

The occasion was Mr. Taft's annual appearance before the society, and he spoke from the knowledge he had gained through a speaking tour of the national army cantonments, during which he spoke to a total of approximately 400,000 men. He said: "If we have an army of 5,000,000 men in France within three years, we shall win this war, and the world's peace will have been attained. We can raise as fine an army and as large an army as there is on European soil, and if we transport it as rapidly as we may, can have it in Europe within two or three years. Our object will then be attained, and the world will again be free."

"Although airplanes, artillery, and other instruments of war are necessary in a modern campaign," continued the former Executive, "this war, as other wars, must be won by trained man power. We must look forward with large vision and make ample provision to strengthen our allies, give our confidence to our own army, and convince our enemies of our determination to win the victory."

A great burst of applause followed the former Executive's optimistic prophecy, to be repeated when he described the kind of army America is raising.

"Commanders at cantonments told me the drafted men are the finest material for the making of an army."

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