

• New Machines and Gadgets •

⚙️ **BABY BOTTLE warmer**, with a plastic base to hold the bottle upright, uses household electric current with a heating element that does not break, burn or short-circuit. The outside of the heater can be touched without danger of burns.

Science News Letter, January 25, 1947

⚙️ **ELECTRIC light bulb**, flaring to twice or more the width of the ordinary globe-shaped bulb, provides both direct and indirect lighting. The top flat end diffuses light upward through a special frosting, while other light diffuses downward through an opalescent coating on the sides.

Science News Letter, January 25, 1947

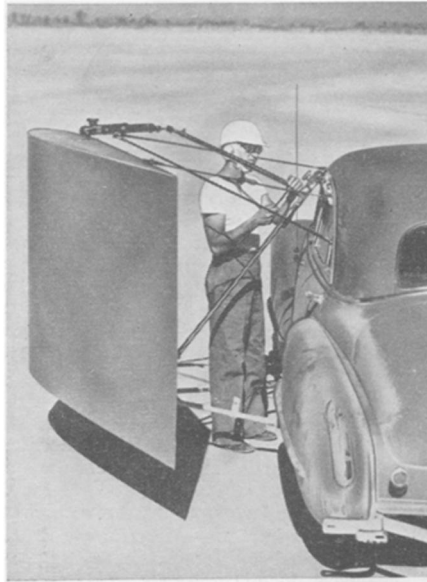
⚙️ **COLD STORAGE box** for airplane shipments is a four-foot cube insulated with fiber glass and cooled with dry ice. When containing six slabs of the solidified carbon dioxide, 10 inches square and one inch thick, the inside temperature is lowered 80 degrees Fahrenheit and held so for eight hours.

Science News Letter, January 25, 1947

⚙️ **ELECTRONIC metronome**, to keep time for musicians, employs a thyratron vacuum tube that gives impulses at timed intervals. A flash baton enables a practicer to follow a beat visually, while the audible beat can be modulated from slight to high loudness.

Science News Letter, January 25, 1947

⚙️ **WINGED AUTOMOBILES** are used to test tires at high speeds. The wing is attached to one side of the car,



as shown in the picture, and offsets the centrifugal force of the vehicle racing around a circular track. With it, tire wear is about the same as on a straight highway.

Science News Letter, January 25, 1947

⚙️ **CONTINUOUS steam still** provides an economical method for producing turpentine and rosin from Southern pine sap. Pre-heated gum, or sap, is fed continuously into one end, and the two products come out the other at separate points. The new method is faster and cheaper than the batch method.

Science News Letter, January 25, 1947

⚙️ **CENTRIFUGAL CLUTCH**, an automobile type, is used to improve oil-

burning heating plants. It links the electric motor and air fan on one end of the drive shaft with the oil pump on the other and delays pump action until the fan is delivering sufficient air for complete combustion.

Science News Letter, January 25, 1947

⚙️ **WORKSHOP UNIT**, consisting of five separate machine tools, has a single electric motor that can be transferred quickly from one machine to the other. Suitable for a home shop, the unit has a lathe, grinder, drill press, router and shaper. The motor operates on either direct or alternating current.

Science News Letter, January 25, 1947

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Question Box

AERONAUTICS

What is the latest development in all-wing aircraft? p. 50.

ASTRONOMY

What determines whether we have winter or summer? p. 58.

DENTISTRY

Can drinking water harm teeth? p. 63.

ENGINEERING

What is composite construction? p. 57.

GEOGRAPHY

Why is Spitzbergen Island strategic? p. 59.

INDUSTRY

What did 1946 mean to the rubber situation? p. 57.

MATHEMATICS

How many calculating machines be constructed to "remember"? p. 51.

MEDICINE

How does PABA given with salicylates help combat rheumatic fever? p. 56.

MINING

What new methods of analysis aid detection of mineral deposits? p. 54.

ORNITHOLOGY

What aspect of winter is hard on birds? p. 62.

ZOOLOGY

How ferocious is the pacarana? p. 55.

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