

New Ideas and Gadgets

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⚙️ **MULTI-PURPOSE TOOL** combines a hammer, pliers, wrench, wire twister and cutter, staple puller, wire stretcher and nail cutter all in one. Made of tough steel, it is useful for the home, yard, shop and farm. It comes packaged individually in a tray display box.

• Science News Letter, 86:124 Aug. 22, 1964

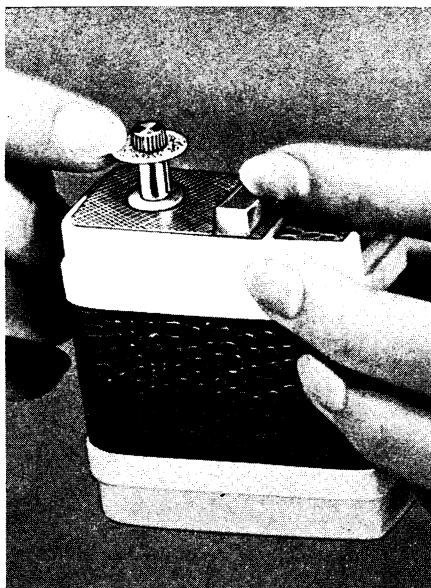
⚙️ **PROP-JET FISHING MOTOR** runs on a 12-volt car battery and utilizes the principle of prop-jet propulsion. Safe and easy to handle, its propeller, which is enclosed, provides more push than the conventional open propeller and cannot clog with weeds or bend and break on rocks and stumps. Speed is adjusted by simply turning the speed selector knob.

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⚙️ **ALUMINUM FOIL TAPE** has many indoor and outdoor applications around the home, car or boat. The pressure-sensitive tape, useful for sealing and patching metallic and non-metallic surfaces, such as leaky gutters, downspouts, garbage cans and air conditioning units, will not rust or corrode. Its weatherproof adhesive sticks to any surface. It can also be used as a heat reflecting material indoors and outdoors.

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⚙️ **CORDLESS ELECTRIC MANICURE SET**, shown in photograph, is small enough



to fit in a pocket or purse. The unit, provided with a quiet, powerful motor, is housed in a shock resistant plastic case with a storage compartment for attachments, that include a buffing wheel, trimming and shaping disks and an emery drum. The set comes with battery ready to operate.

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⚙️ **RING FITTER** is a tiny device that makes ill-fitting or loose rings safe to wear. Consisting of a hinged expanding shank of gold or platinum, it is attached to a ring as a part of the ring mounting. The shank expands to slip over knuckles then closes to hold the ring securely in position. It can be attached to either new or old rings.

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⚙️ **DISNEYLAND NIGHT LIGHTS** will delight young children. Gaily painted heads of Mickey Mouse and Donald Duck, each mounted on a bright red plastic base, are built around one-fourth-watt neon bulbs that are long lasting and use little electricity. The lights, about 2½ inches high, are useful for nursery, bathroom, kitchen, child's room or playroom.

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⚙️ **FILMSTRIP PROJECTOR**, useful for school or home, eliminates the problem of smudging and scratching of film by handling, and upside down and backward pictures. The projector has a cartridge on which the filmstrip is wound, and by means of a crank or push button, the filmstrip is threaded through the projector automatically. The film is rewound in the same manner. The projector will also accept loose filmstrips.

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Doctors Are Reading

More Addiction Than Suspected

➤ **DRUG ADDICTION** appears to be a far bigger problem in the U.S. than experts had suspected.

Researchers have found in an eight-month survey at the Boston City Hospital, Boston, that out of 100,000 patients admitted, 44 were addicts and 38 were abusers. Seventeen of the drug abusers were taking barbiturates.

The investigation, done in part by random-sampling every 20th patient, indicated that if every patient who entered the hospital had been observed, some 260 hidden cases of addiction or abuse might have been found. This means that about three out of every 1,000 people in the United States are drug users of one kind or another.

The research was conducted by Dr. John A. Schremly, chief of Men's Addiction Service, U.S. Public Health Service Hospital, Lexington, Ky., and Dr. Philip Solomon, physician-in-chief, psychiatry service, Boston City Hospital, Boston. They reported their work in the *Journal of the American Medical Association*, 189: 512, 1964.

Wifebeaters' Wives Studied

Wives who put up with years of beatings from their husbands finally look for outside help when a child, usually the eldest son, interferes, a recent study indicates.

Despite the periodic beatings, the 12 marriages studied had existed "more or less satisfactorily" for from 12 to 20 years, until the eldest boy, or only child, intervened, defending his mother and sometimes even physically attacking his father.

The average age of the wives was 37, so that they were not young brides in the throes of early marital adjustment, but mature women whose marriages had shown "considerable stability." Therefore, the authors concluded in the *Archives of General Psychiatry*, August, if marriages reach balance, the interference of the child becomes a potentially dangerous threat.

It may be when this threat is clearly seen by the wife that she gets court aid and may go to a psychiatrist for outside help to change a situation that is getting out of her control.

The study was reported by Drs. John E. Snell, Richard J. Rosenwald and Ames Robey of Framingham, Mass.

Infections Peril Transplants

It is not bad surgical technique that kills persons with transplanted kidneys, but infectious diseases due to drugs used to overcome the immunity problem when the "foreign" tissue is grafted.

Infectious diseases occurred in 26 of 30 kidney transplants and contributed to eight of 12 deaths reported by a team of Denver physicians and surgeons.

In spite of rigid care in isolating the transplant patients as soon as the drug treatment was begun preceding surgery, 52 infections occurred, 17 before and 35 after transplants were done. Staphylococcus infections were the most frequent type.

Drs. David Rifkind, Thomas L. Marchioro, William H. Waddell and Thomas E. Starzl of the University of Colorado Medical Center and the Denver Veterans Administration Hospital reported the findings in *JAMA*, 189:397, 1964.

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