

2381

inder and each delivers a spark every other crankshaft revolution. Each plug fires 1,300 sparks a minute, the ninety-six plugs firing 124,808 sparks per minute. Each spark is twenty-five one-thousandths of an inch long—a three-mile long spark for a single hour, surely the longest man-made bolt of lightning in the world!

The "breathing" capacity of Miss America X is equivalent to that of 32,800 average human beings. Every revolution of a crankshaft takes in 1,270 cubic inches of air and at 2,600 revolutions a minute, each engine breathes 1,910 cubic feet and the superchargers increase the air "breathed" to a point where all four motors take in 656,000 cubic feet an hour. This is 46,000 pounds of air an hour for the four motors. The average human breathes about twenty cubic feet per hour.

Wood had the power. Now to employ it. He had to build a hull to take it, and it

(Continued to page 136A)

GLIDER LAUNCHED FROM CLIFF ON GREASED-PLANK RUNWAY

Launched into space by sliding down a greased plank, a glider took off from the brink of a 1,000-foot precipice in the state of Washington and landed safely. The board runway, about twenty feet long, slanted toward the abyss from the top of an automobile.



For Runway in a Daring Dive from the Crest of a 1,000-Foot Cliff, This Glider Used a Greased Board Attached to an Automobile

Wristlight Freehand LIGHT STRAPPED TO THE WRIST LEAVES TWO HANDS FREE



Work Around Home and Car at Night Is Easier When Wrist Light Sets Both Hands Free

Shaped to fit the wrist, a small flashlight that can be strapped to either arm sets both hands free to work. The motorist or mechanic finds it useful as a third arm when tinkering in the dark. Farmers doing late chores, sportsmen reeling in brook trout when twilight darkens the woods, or the home owner working in basement or garage, all find uses for the wrist light. When not strapped to the wrist, it can be used as an ordinary flashlight, and by means of a small wire handle it can be hung or propped to point up or down as needed.

Inquiries as to makers of articles described in Popular Mechanics, will be answered by our Bureau of Information on receipt of a stamped, self-addressed envelope.

Wristlight Freehand
90
Plancy
1110
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6658

at Seattle

BULLETS OF THE FAIRWAY

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SEE PAGE 409