



APRIL

MODERN MECHANIX

AND INVENTIONS

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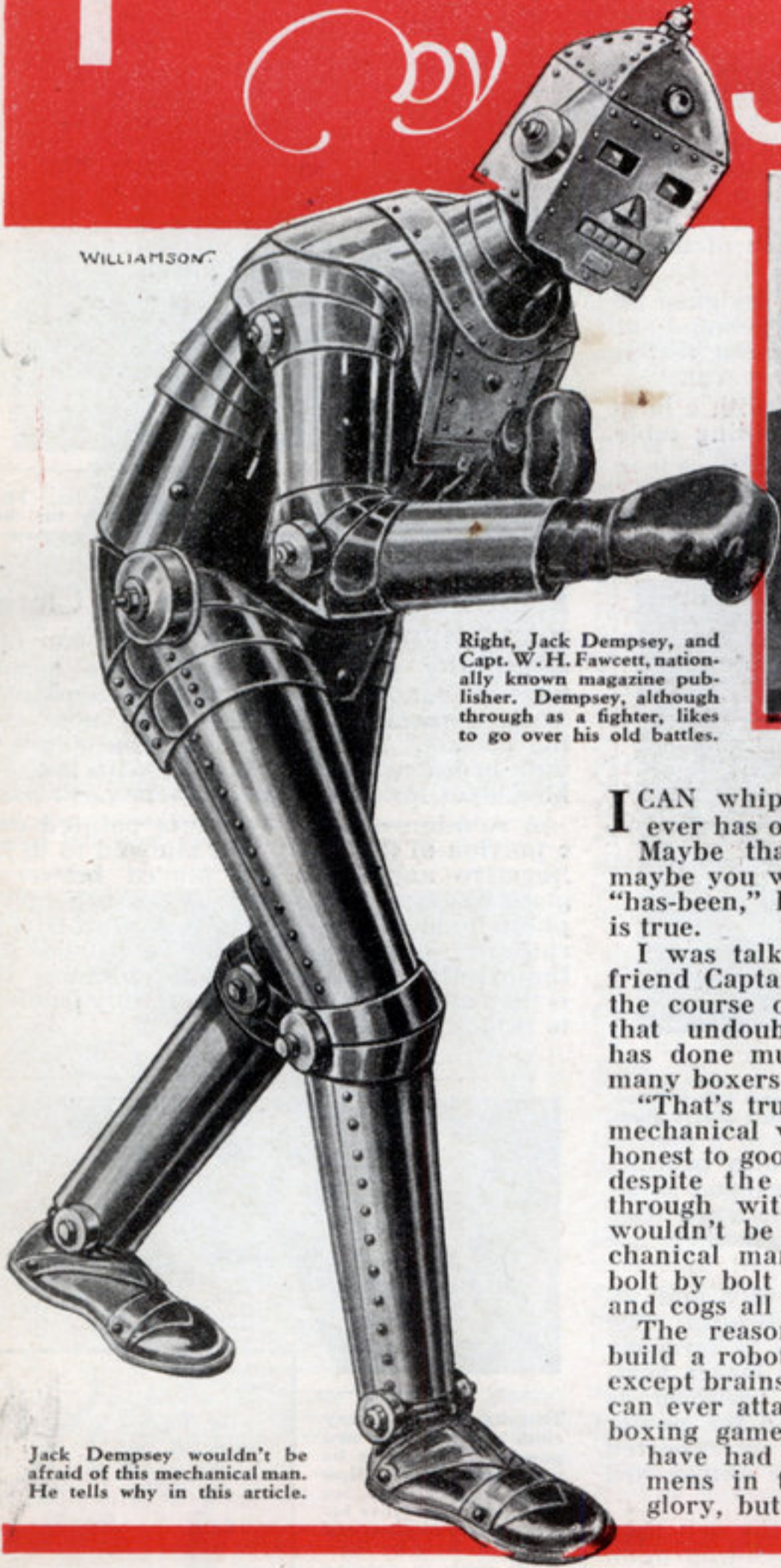


SUBMARINE SLEDGE
SEE PAGE 42

NARROW ESCAPES WITH BLIND FLIERS
WHAT MAKES MICKEY MOUSE MOVE?

"I Can Whip Any by JACK

WILLIAMSON



Right, Jack Dempsey, and Capt. W. H. Fawcett, nationally known magazine publisher. Dempsey, although through as a fighter, likes to go over his old battles.

Jack Dempsey wouldn't be afraid of this mechanical man. He tells why in this article.

I CAN whip any mechanical robot that ever has or ever will be made.

Maybe that sounds a bit egotistical, maybe you will say it's just the voice of a "has-been," but I assure you that neither is true.

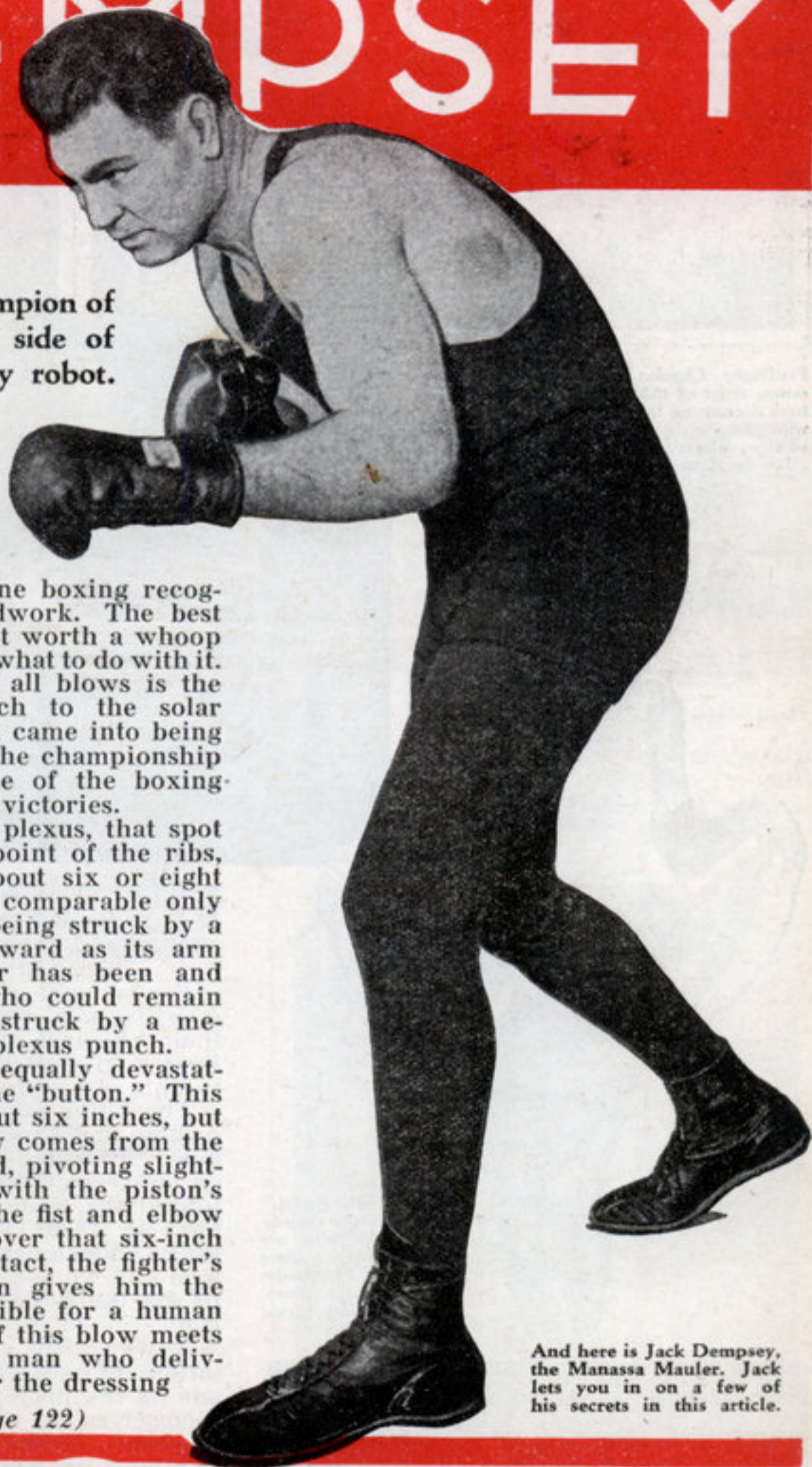
I was talking over old times with my friend Captain W. H. Fawcett and during the course of conversation he remarked that undoubtedly mechanical ingenuity has done much to improve the work of many boxers.

"That's true," I answered, "but nothing mechanical will ever be able to whip an honest to goodness boxer. Even right now, despite the fact that I am definitely through with the ring as a fighter, I wouldn't be afraid of any robot or mechanical man. I could tear it to pieces, bolt by bolt and scatter its brain wheels and cogs all over the canvas."

The reason is simple: Engineers can build a robot that will possess everything except brains. And without brains no man can ever attain championship class in the boxing game. It is true enough that we have had some rare intellectual specimens in the higher frames of boxing glory, but I can truthfully say that no

Mechanical Robot DEMPSEY

Picturesque former champion of world tells mechanical side of boxing. Challenges any robot.



man ever attained genuine boxing recognition without real headwork. The best punch in the world is not worth a whoop if the boxer doesn't know what to do with it.

The most damaging of all blows is the short, straight-arm punch to the solar plexus—the punch which came into being when Fitzsimmons took the championship from Jim Corbett in one of the boxing-game's greatest surprise victories.

In hitting to the solar plexus, that spot just below the meeting point of the ribs, the blow travels only about six or eight inches and the result is comparable only to the terrific effect of being struck by a piston which moves forward as its arm slides out. There never has been and never will be a boxer who could remain on his feet after being struck by a mechanically perfect solar plexus punch.

Another blow, almost equally devastating, is the left hook to the "button." This likewise travels only about six inches, but the impulse for this blow comes from the body as it moves forward, pivoting slightly at the hips. When, with the piston's hard-driving precision, the fist and elbow turn instantly to travel over that six-inch span to the point of contact, the fighter's previous forward motion gives him the greatest power it is possible for a human to achieve in the ring. If this blow meets its victim properly, the man who delivered it can turn away for the dressing

(Continued on page 122)

And here is Jack Dempsey, the Manassa Mauler. Jack lets you in on a few of his secrets in this article.

"I REDUCED MY WAIST EIGHT INCHES"

WRITES GEORGE BAILEY

TEST the WEIL BELT for 10 days at our expense!

NO DRUGS, DIETS OR EXERCISES

SUPPORTS FALLEN ABDOMINAL MUSCLES

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REDUCE
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3 INCHES IN **10 DAYS** OR
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● Don't be embarrassed any longer with that "corporation" for in a short time, only the admiring comments of your friends will remind you that you once had a bulging waistline.

The Massage-Like Action Does It!

● You will be completely comfortable and entirely unaware that its gentle pressure is working constantly while you walk, work or sit . . . its massage-like action gently but persistently eliminating fat with every move you make!

● Many enthusiastic wearers write that the Weil Belt not only reduces fat but it also supports the abdominal walls and keeps the digestive organs in place—that they are no longer fatigued—and that it greatly increases their endurance and vigor!

Don't Wait—Fat Is Dangerous!

● Fat is not only unbecoming, but it also endangers your health. Insurance companies know the danger of fat accumulations. The best medical authorities warn against obesity, so don't wait any longer.
● We repeat—either you take off 3 inches of fat in ten days, or it won't cost you one penny!

"LOST 50 pounds," says W. T. Anderson. . . . "My waist is 8 inches smaller," writes W. L. McGinnis. . . . "Felt like a new man" claims Fred Wolf . . . "Wouldn't sell my belt for \$100," writes C. W. Higbee. So many wearers are delighted with the results obtained with the Weil Belt that we want you to test it for ten days at our expense!

Greatly Improves Your Appearance!

● The Weil Reducing Belt will make you appear many inches slimmer at once, and in 10 short days your waistline will actually be 3 inches smaller—3 inches of fat gone—or it won't cost you one cent!
● It supports the sagging muscles of the abdomen and quickly gives an erect, athletic carriage.

I Can Whip Any Mechanical Robot

(Continued from page 51)

room while the counting starts. He need not fear that his opponent will get up.

It was the left hook with which I dropped Luis Firpo three times in the first round when we met in New York back in 1923. And it was this same hard wallop that put the Wild Bull of the Pampas to sleep for good when the second round was but 58 seconds gone.

There are other parallels, too, between mechanics and boxing. The old lever principle governs the action of three primary blows known to every ring fan: the jab, the right cross and the uppercut. In each of these blows the body acts more or less as an axis as the punches are delivered by a fighter in forward motion.

Any boxer's success depends to a great extent on just how efficiently he is able to apply mechanical principles to his fighting. As an example, every blow I have delivered in my boxing career, with the exception of those used in infighting and designed only to war down an opponent, was intended to be a "perfect" punch. Those that fell short of perfection and failed to bring down my man failed because they were blocked or because the human eye and arm did not coordinate to achieve the highest degree of efficiency.

Best Machine Lacks Brains

The piston, to illustrate, drives at exactly the same spot in the same groove with only the most minute variance. The same cannot be said for the hitting arm of a boxer, except insofar as he is able to keep his "machine" in such excellent condition that it is always ready to carry out the telegraphic instructions from his brain.

I'll venture to say, despite the fact that mechanics and boxing are based on the same principles, that the average clever boxer, facing a robot constructed with two or three vulnerable points, could leave such a creature in the trash heap. For no matter how perfect the machine might be, it lacks a brain, and the most killing of all blows is worthless when not delivered at just the crucial second.

Mechanical principles govern boxing only because man has realized the advantage through his study of science and harnessed these principles.

New Ideas on Keeping the Dog

(Continued from page 109)

gestions in the sketches accompanying this article. For instance, the heavy floor frame gives the house solidity and keeps the floor boards off the ground, thereby eliminating dampness. The floor boards are of matched wood, as are also the sides and roof. The ends of the kennel are boarded vertically and well cleated.

The weather door illustrated must swing both ways. This is made possible by the use of 2-way hinges made up of screw-eyes. The door should have a clearance of at least 1/2 in. on each side, and 2 to 3 in. on the bottom. The small door frame will keep out driven rain or snow to a great degree, and eaves built as indicated will aid materially in providing a warm, dry home in all weather.

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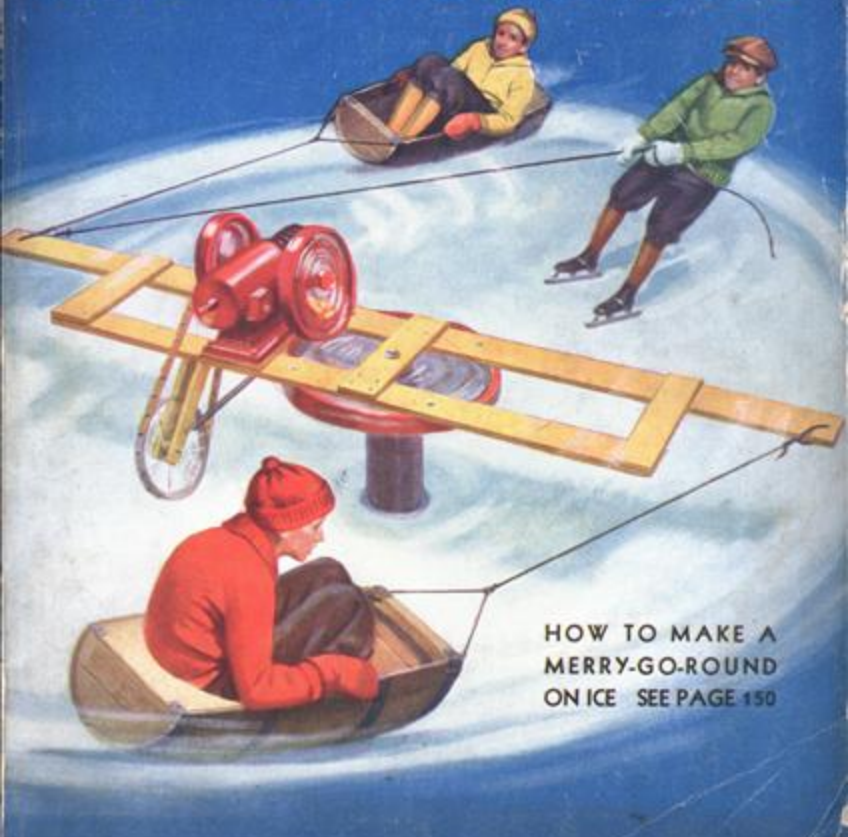
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MODERN MECHANICS

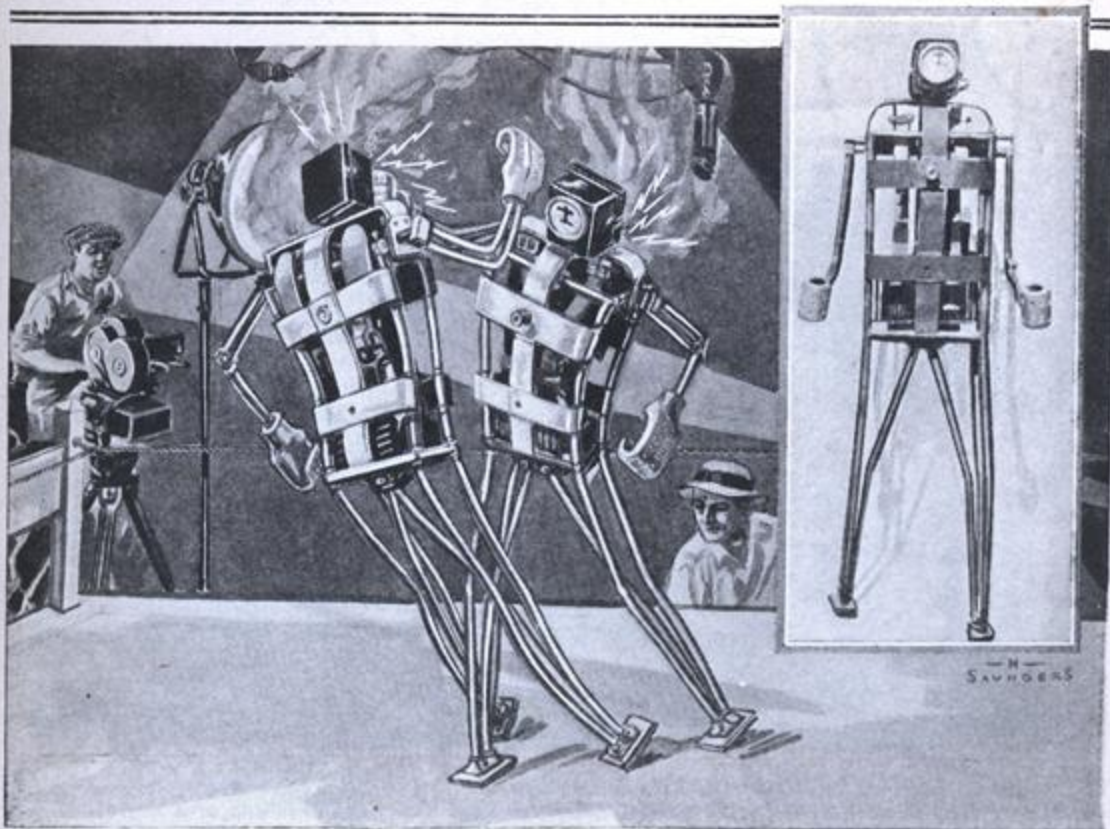
AND INVENTIONS



HOW TO MAKE A
MERRY-GO-ROUND
ON ICE SEE PAGE 150

MAKING MAGIC for MAGICIANS

Radio Controlled Robots Stage a Realistic Boxing Match



TWO pugilistic robots, built by the Veronda brothers, of California, recently staged a furious six round boxing match in which they slugged each other's metal bodies with all the realism of a human fight. The actions of the mechanical fighters were controlled by short wave radio. At the

height of the fray, however, the wires got crossed somewhere. With smoke rising from their innards the fighters lost their heads and began lashing out wildly, dealing terrific clouts with both fists. Finally one robot went down and the other collapsed on top of him.