

EARN MORE


Anyone sending a sketch and description may
quickly ascertain our opinion free Whether an nvention is probably patentabie. communica-
ions strictly contidential. Handook on Patents

## Scientific American.

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 MUNM \& Co.asis. iomeme. New York
(8654) W. A. P. asks: 1. How many

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small dyname used for plating. Can I use it
for a sparker on my gasoline engine: I hav
taken hot taken hold of the wires when running and
have not felt any perceptible current. Should
I feel any: A. You can find whether your engine by breaking the circuit suddenly when it is running at full speed. You cannot tell by taking hold of the wires. The veltage used in
plating is not sufficient to give a shock. Would it make any difference if $I$ had a coil connected with it: A. The dyname would
probably run an induction coil. 3. If se, will you please instruct me how to make one. A
A coil giving a spark of a half-inch will ignit
the charge in a gas engine. Instructions f inaking a coil may be had in Norrie's "Induc tion Coils," price $\$ 1$ by mail. 4. Which are
the best for batteries for motors! A. Four to
$\qquad$
 cipe for preserving eggs. A. Lime, 1 bushel
(slaked with water); common salt, 2 or 3
pounds; cream of tartar; $1 / 2$ pound; water
q. s. to form a mixture streng enough te float an egg. Used to preserve eggs, which it is
said it will do for twe years, by simply keeping them in i
(8657) J. K. L. asks: 1. How the plates are obtained which are used in printing
pictures in papers? A. There are many of making the plates from which pictures are
printed in papers, both electrical and photo-

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$\qquad$
$\qquad$ same speed or rate, and one of them was larger
than the other, in which would the centrifugal force be the greatest? A. The centrifuga
force varies directly as the weight of the re tating body, and as the square of the velocity
its motion. It als varies inversely as its motion. It alse varies inversely as the ra
dius of its orbit. 4. At about how many reve lutions per second do you think a shaft of iro
would fly to pieces: A. There is no definit
answer to this answer to this question. It is entirely in-
definite. 5. Would a bar of iron 4 inches long be attracted to a pole of a bar magnet wit
as much force as if it were 8 inches long? A
The length of a bar of soft iren has nothing The length of a bar of soft iron has nothing to
do with the attraction of a magnet for it. Th do with the attraction of a magnet for it. The
iforce of the magnetism is in the magnet, and

## (8658) N. S. writes: In your issue d June $\because 1$ is an interesting communication rela.

of June $\because 1$ is an interesting communication rela-
tive te the Sault Ste. Marie Canal. Will you
please reply to several questions relative to

| please reply to several questions relative to |
| :--- |
| this subject through your Notes and Queries |

column, as doubtless others are interested in
everything that relates to canals? What is th
orisin of the words Sault Ste. Marie? Then w
read, in your article, as follows: "Ground was
broken on the canal June 4,1853 , by on
Charles T. Harry, under whose supervision wa
continued the original Soe canal." Then in



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