## The Automobile



CROSS-WORD P ZZZZLE


SUGGESTIONS FOR SOLVING CROSS-WORD PUZZLE




## I. H.S.

Why must we hedige and screen and
bind
To separate Thee from Mankind?
Thou, whom sad stnners made their
How cown
own they reach Thee on a
On Calvary Thy tortured brow
No halo wore, nor needs one now, O stimplehearted, warry-eyed,
We love Theo more undeifled

- Mlldred W . s $\frac{\text {-Mllared w. stllman. }}{\text { Consclentious. }}$
The plumber worked and the helper
stood Took'ting on. This was hls first


## "Say, he inquired, "do you charge for my then" "Cent "Certanly, you tdiot," came the re-

ply "But I haven't done anything.",
The plumber, to flli in the hour, tad
been looking long at the finished tob
been looking long at the frished job
with a cilihhted cande.. Handing the
two inches of it that were still unnurn.
ed to the helper, he sald wiltheringly:
"Here .f yourve goto bo bo dared
conscientious, blow that out!"
conscientious, blow that out!"
Did He Need a Sea Voyage?
A doctor was examining a man who A doctor was examuning a man who
had ocme to him for the frist time
Satisfied at iast, tho doctor rokted at

| lim gravely. in bed shape," he sald. |
| :--- |
| "You are |
| "What you need is a sea voyaze. Can |
| you manage ft?" | "Oh, yes," replied the patient. "r'm

second mate on the A Anna Marie, Just
in from Hong-kong.
in from Hong-kong.
Flea and its Food.


From the Sea Bottom. Some surprising things come out of
the seat, for it is rich not only in fishes,
but in wors or art.
Remarkable treasures Remarkable treasures have been
dredged from the bed of the Bay of
Naples, and only a few monthe Naplos, and only a few months ago a
diver silithod a drowned city off the
North Africean coast. Now some North Africican cosst. Now some poor
Greek fishermenu at Marathon have
raised a beautiful bronze statue whth wae lying twenty fathoms under th
sea. sea.
Experts say it is a charming figure
of booy, and belongs to the beat period
of Greek art


 sea,
As ner hife than skies and
I know thatch you soaring overhoad,
bred of waters you were And yet I, too, am kindred of all these;
I mark your whinss that are so lightly
spread Upward and onward in a fluent ease-
Are you the
and teort of of wids that

 south on heigh,
Unheeding voices blown
-Sally Bruce Kinsolving
To Detect Fraud in Oxide.

SECRETS OF THE
HUMAN SKIN
Most persons bathe from hatit or for
the comfort or pleasure they get from
 It, and comparatively fow know tho
relationshint that oxtess botweon bath
Ing and porsonal health, sald Dr. Mat-
In thlias Nitooll in a recent address.
The skin, in relation to being a pro toctive covering riation to to being a pro
gulating organ or outre the the body. When in gulating organ of the body. When in
healtth the temperature of the human
body remans pratcilly the sam tin
teat or cold, In summer or in winter
 sewz himselif into many garments. The
skin through tis pores and the meny
 of supplied automattcally

A person runs, or is out in the hoo
sun. Heat of the body follows. network of ilttle nerves reports the act to the ekikn. Its mesh of capillary
lood vessels dilates. water oozes out
 body temperature.
At another ume se same person sitt
 atees some of tits heat into the surround.
ing atmosphere, and were it not or the
heatresulating power of the skin his
 nerves report the fact to the ekin, and
the smâl blood-vessels there begin to
contract so that less blood is at the contract so that less blood is at the
surface to be ccoled. The nerves also surface to be coled. The nerves also
report to the muscles, and they begin
to tremble and shiver.
This causes to tremblo and shliver. This causes
the productlon of more heat.
if the pores of the skin are complete. ly stopped up (as they were in an hhe
toricoal case of $a$ child whose body was oovered with gilt patnt), the person
will die within ahoort thme, due to in.
terference with the theat-regulation mechanes. . Persylratton goes on on con.
minually, generally tinsentily tinually, "generally Insensibly. One
notes it partucularly th he wears a rub-
ber coat, or when heavy shoes or goloshes are wornt for heavy fhnoes or his coll
ing or his stocking wet or damp.
Keeping Clean and Fit.
So we bathe (1) to remove the re (2) to keep the ponsese operspiration; and (3)
oproduce a defnite environement to produce a definite onvironment tem-
perature for our comfort ant bath
to add warmth to the body or a a cold

 Thie smaller the boty. the greater re-
ativelt is titr ratiating auracee. So we
protect the tiny infant from So protect the tina tinfant trom contact
with a to olow temperature or trom
raughts, which very
 arature much below that of his body. ortion often fersons who make little ex.
 athlote, however, takes his cold healthy fody, and thus strives to be clean and
There is no genaral There is no general rule fcr bathing.
Society. howere, demands that its. sense of smell shail not be offended dy,
the dried resilue of persppratlon, other wise the person crippting withon, ofspler
Hicn might merely rub himisal? dry.



 | minated with hace river Crossing cul alt aklavik in |
| :--- |

 raveled about 2,000 milles over west.
ern Canala's great inlend waterwas. The above map shows his routerways.
the Peace, slave and Mackenzle river.

## Natural Resources Bulletin.

The Natural Resources Intelligence
Serviceo of the Dept. of the Interior.
at Ottawa says One wonders ss Che railway, what becomes ofs aill the
oid railway ties that the section the are constantly taling the section gange ing with new ones. Occasionelly
fire is oent, when these old ties ar
being burned but the of them burned, but the greater portion
for firewood. It it the thatway men tity of thenese ties the howormous, quan-
required to keep the railway
proper are proper condititon, beceausway wines in
heavy trains ond the high spoed with the roadbed be kept up to maximum ply of ties is one of the nocessary sup
which the $r$ proms with it is a very sailways have to denal, and
figitid speciinspection in provided, and a careful
militions of ties used ary. When the sidered, and that each tie has its proportion of the load to carry, hte nee-
esity for this inspection is apparegures are avali:abie, there were 14 These, converted into thoir equiva:ent
f standing tim 60 cubic feet, with a value of $\$ 13$,
28,5 Raiiway ties vary in length from
to 9 reet, with a thickness of from to 9 feet, with a thickness of from
to 7 inches and a width on top of
rom 7 to 10 inches whit in grade according to the purposes fo
inhich they are to bo Which they araring to to the purpose for
the ties are sewed or seme of hewed one of bottom and sides, while otherra are
sawed or hewed on top and bottom During recent years the Canadian
railways have undertaken preservative treatment of their ties, creosote
being large.i. used There
ber of ant pate
biants situated throughout Canada for this purpose, many mout
ions being thus treated annually. It is claimed that the elife of of the ties. is is
doubled by this preservative treat
 prices now being paid for ties are a
heavy harge angainst operation. The
engthening of the furthermore, reduces the cost of
changing them in the roabed, and
will aisorecuce the supply of old ties
availabie for firewood.

| Kew Gardens, London's famous hor- |
| :---: |
| ticu:tural |
| Mritish demand for Amerticat. |



