The Automobile

CAR IS PATIENT DRUDGE UNDER ILL-TREATMENT.

Perhaps the most astonishing fact ting them down, all of which tends to in the whole automotive industry is increase the cracking and peeling of the tremendous amount of abuse an paint. Baggage is frequently carried automobile will take from its owner on the side, rear or front of a car with and yet continue to give him service. no effort to protect the fine finish from The modern motor car is a glutton being scratched. Or the owner may for punishment. It stands for an have a habit of kicking his feet endless amount of maltreatment be- against the part next to the running board as he gets in or out. This rteatfore it balks and refuses to go.

Think of the folks who leave their ment has been so general that the cars parked in the streets all day or manufacturer has found it necessary at the suburban railroad station, to develop some finish that will stand where the rain, snow, fog, dampness, more abuse than paint and varnish. wind, dust, sunshine and thoughtless boys con play about it. Think of the various mechanical parts that are not test this sort of treatment is for the in plain sight also is apt to be one of fine finish that comes with a new car, neglect. He forgets to keep well lu-

Think of the deterioration to tires. Perhaps there may be mud and water quire oil and are fully described in the in the morning, sleet and snow in the manufacturer's instruction book. He afternoon and by night freezing, so often fails to keep sufficient water in that the tires are almost frozen fast, the radiator. About the only thing he Think of the effect of such dampness on the delicate engine parts and other he puts off this job, which would take

only a few minutes if he were to ad-A motorist may run his car in all sorts of weather, which, of course, is the driver may put himself and all what a car is for. No one could ob- his passengers in serious danger of ject to an owner using his machine on accident. The battery needs water, a rainy day. But when he finishes but he fails to attend to the fatter, his journey and gets back into his with the possibility of having to buy garage again quite often he is not likely to do anything about the mud and water that cover the car except to leave it standing and dripping and

WASHING OFTEN LEAVES MARK.

Perhaps on a Saturday afternoon, it does not run easier. Probably he after the mud has been caking on for places the blame on the manufacturer. a few days, the owner will get a He tinkers with the carburetor and streak of ambition and decide to wash other finely adjusted instruments and his automobile. The chance are, how- then wonders why the car does not ever, that he will go at this job in such give better service. a fashion as to leave a lillion little These are only a few ways in which diamond-pointed knife scratches on a motorist easily can fall into habits the body, such as come from washing of abuse to his car. Of course, not all it with an ordinary rag and a pail of owners as as neglectful as others, but water, instead of using a lazy stream there is always the temptation and of clean, clear water and the gentle tendency to put off doing those little application of a good sponge. Some but important acts that go with first even use soap and water, which is al- class care of a car. That automobiles most criminal treatment of highly stand as much neglect as many of polished surfaces.

Then there are the slam-banging of bute to the skill of the manufacturers doors, the rough treatment of the in producing a machine that is almost hoods when lifting them up and put- fool proof.

AN EMACIPATOR OF

THOUGHT

A Little Lesson in Living.

race are begotten.

of Shrewsbury, England.

The Living World. Rebelliously Charles turned from

them are called upon to stand is a tri-

The owner's attitude toward the

bricated the numerous points that re-

thinks a car actually needs is gasoline.

just them. Without this adjustment

FOLLY RESULTS IN TROUBLE.

choke and then forgets to return it

to a leaner mixture and carbon fouls

his machine. Then he wonders why

In starting the car he pulls out the

a new one as a result.

dead languages to the living world. He fled the classroom for the field at every opportunity. He was a poor student when it came to conjugating irregular verbs, but he knew more about the ways of insects and toads and snakes than any one of his classi-Almost one is impelled to believe cal masters. there must be a grain of truth in the

Education is a strange thing. fancy of the ancient sages that cermust come from within. All the pre- vived the criticism and constructive tain times and seasons are more proceptors and instructors in the world thinking of other minds. pitious to the birth of great men than ! cannot impart it if the inner urge be others; that when planets congregate in certain signs then leaders of the lacking; but, granted that urge, neither poverty nor privilege can prevent But a strange coincidence, not so | Class standing was no index to what

often noted, is that on the very day was going on in Darwin's mind. At of the very year which saw the birth Cambridge he made the ocquaintance of the Lincoln child in a log cabin in of men of science. One was the geo-Larue County, Ky., another infant, des- logist Adam Sedgwick, who took a tined to be a great emancipator of great interest in him and carried him What are some of the lessons in livhuman thought, was uttering its first on a rock-hunting expedition in North ing to be derived from Darwin's ery in its mother's arms in the town Wales. Another was Henslow, who story? First, the value of open, see-On February 12, 1809 Lincoln's naturalist on the Beagle, a ship start- compare; which see the things that Natal day-Charles Darwin was born, ing on a tour of scientific survey. others overlook; second, the value of theory, became man, who walks erect

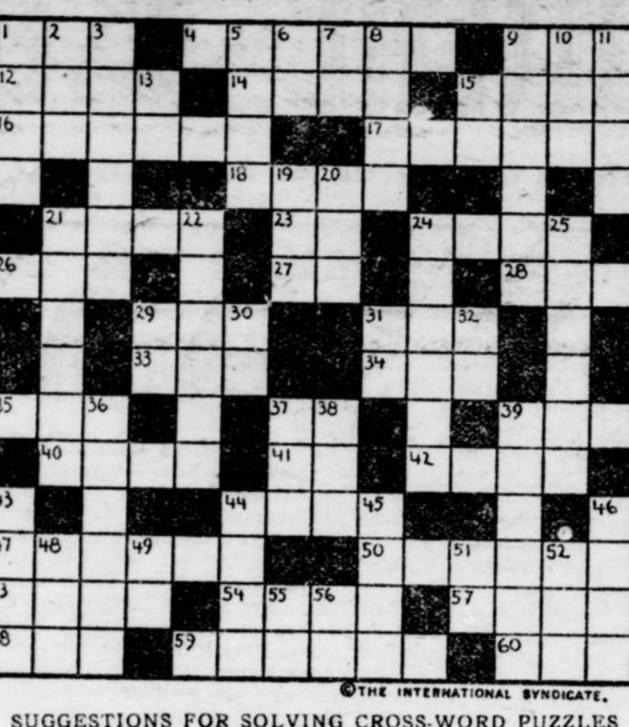
Thus the two greatest men of the Out of that journey came his first an open, reflective mind, which carries with his eyes upon the stars. Nineteenth century-men who in their great books, and the training in close no prejudices into its world of won- Back of that urge, says faith, is respective spheres have never since observation and reflection which later ders, and meditates upon what it sees God, who, in man, meets the life which "You quit, quit, I tell you." The hen been matched began life together in bore such marvellous fruit. He was until it has found a clew to what it He set upon its great adventure miltime, though far apart in space and twenty-two when he sailed, twenty- means; third, a love of truth which lions of years ago, and helps it to find Lincoln struggled against the handi- the fellowing year, 1837, he began his fictions; fourth, a courage of convictore.-S. J. Duncan-Clark in "Succap of poverty in order to get an edu- first note book on the "transmuta- tion and adventure, which follows cess." cation and fit himself for his great ser. tion of species." vice to humanity. Darwin struggled There followed twenty-two years of the first to beat it down and make it

against the handicap of privilege that untiring study, observation, notemak- passible for other feet. he might free himself to follow the ing and hard, hard thinking. Then, And underlying these the great facts gleam of truth. While others tell in 1859, burst upon the world his re- which Darwin made clear for us, that again the inspiring story of Lincoln, volutionary work on the "Origin of back of all life is an urge which relet us on this page devote a few words Species." to the story of Darwin. His father More than a decade later came "The tles against environment and compels United States natural cement rock was a physician and the son of a Descent of Man." These two books it to serve its higher ends; an urge was discovered while building the Erie

physician; his mother the daughter of formed new channels for human which carries forward all that is worth the famous Josiah Wedgwood, artist thought and the currents which pour- while in living experience and employs in pottery, a woman of culture. Charles ed through them fructified the whole it for new achievements; an urge Bertie had half a biscuit buttered, was sent to the famous school of Dr. realm of human understanding. | which lifted the slimy denize of the and a whole one unbuttered. He gave

he was the despair of his teachers. have all deepened, broadened and de- which carried the fish ashore and tered offe. A remark being made covered, is probably, from a geological on time, and lives three miles away!" Abou Ben Adhem-"Nope, not now Diligently they sought to drive into veloped new vigor under the impulses taught it to creep and leap; which about his giving away the larger piece, standpoint, the oldest of all the conhis head the narrowly academic cur- of Darwin's researches and theoriz- gave the reptile wings, and developed Gracie said: riculum of the day-Latin and Greek ings. Not all that he discovered and from the ganglia of sensory nerves a "Yes, he gave me the bigest and kept "Locksley Hall," calls it the "new morning, he can hurry a bit; but if advanced was new; not all has sur- brain that in time, according to his the betterest!"

CROSS-WORD PUZZLE



SUGGESTIONS FOR SOLVING CROSS-WORD PUZZLES Start out by filling in the words of which you feel reasonably sure. These will give you a clue to other words crossing them, and they in turn to still others. A letter belongs in each white space, words starting at the numbered squares and running either horizontally or vertically or both.

2-An edged tool

(abbr.)

7-French article

8-Unit of measurement

15-Southern State (abbr.)

19-The beard of grain

6-Mark aimed at in quoits (pl.)

6-A department of the army

3--- Sensitive

9-Annoy

11-A slave

20-Perceive

21-Poignant

22-Averted

24-Refusal

25-Stupor

30-Pronoun

36-Repaired

37—Owing

43-Distant

51-Exists

52-Uncooked

56-Pronoun

45-Comrade

46-Funeral pile

48-Japanese sash

55-Mother (abbr.)

49-A degree (abbr.)

29-Preposition

31-In like manner

38-Unfasten (poet.)

39-Return payment

44-To move faster than a walk

BAFFINGLEJAIRUS

RACESTABORSADIT

H SATYR CRUEL O

32-in or nearby

10-To employ

13-Contradiction

HORIZONTAL 1—Flying mammal 4—Impassive 9-A vehicle 12-Work animals 14-An ideal spot 15-Mislay 16-To Indicate 17-Part of a volcano 18-A girdle 21-Garden vegetable 23-Pronoun 24-For two performers 26-Appearance 27-Point of compass (abbr.) 28-To steal 29-Endeavor 31-Collection of notable sayings 33-Single 34-To perch 35-The sewn edge 37-To perform 39-Brawl 40-To peruse 41-Toward the top 42-Malicious look

47-Food for livestock 50-Birdhouse 53-Lying down 64-To leave out 67-A luminary 58-To set free 59-Affirmed 60-Female sheep

44-To be alive with

VERTICAL 1-Portend

Blazed a Trail.

But he blazed a trail; he brought a unexplored world under the feet o many a successor. He made the term 'evolution" familiar to us; he made its significance a key to mysteries previously baffling. He loosened the shackles of tradition.

urged him to apply for the position of ing eyes, which observe and note and seven when he returned. In July of will not be turned aside by fables and its full realization in His purpose of

boldly its path even though it must be

fuses to be denied; an urge which bat-

X L E N H D PEOL

Natural Cements. In Europe natural cements are call-

ed Roman cements and they were first nanufactured by James Parker. Natured in France about 1825; in the canal in New York in 1818. Her Grievance.

world which is old."

The Little Fir-Tree.

There are a thousand children on the Slender, green-limbed, in strength and Service of the Department of the In-

beauty growing; They toss their heads and talk, as children will.

When the wind's blowing. Their fathers died before they came articles are being manufactured in to birth.

And many a night and day. ren lav

splendid earth. He gave his life for Man

When the Great War began. For then they slew the fir-trees one and all. And the whole air was thunderous

with their fall. And the hillside strewn with dead. Pit-props, they said

may be Mighty and brave as he: .

Valiant and full of pride. Offering breath and bough and body and limb

To Man, most willingly "

Tree.

The Watson Chair.

Sir Robert Falconer, President of the University of Toronto, leaves on one industry could be used for the March 26th for Europe. He has been invited by the Anglo-American Society abled the first to convert his waste to be the incumbent in 1925 of the Sir into a source of revenue, while it George Watson Chair of American provided a cheaper source of supply low was mercilessly revived. History, Literature, and Institutions. for the second. The acceptance of this invitation Getting acquainted with the rea Neighbor," and will deliver the and pride in the home town. opening lecture at the Mansion House, London, on May 12th, when the Lord Mayor of London will preside. The Watson Chair was founded and

endowed by Sir George Watson, Bt., on the occasion of the return of the Prince of Wales from his American Catania 15,000 tour at the end of 1919. Just before the war, when plans were under way for the celebration of cur hundred years of peace with America, it was discovered that no university in Great Britain had either a chair or a lectureship in American history. With his gift Sir George Watson undertook to remedy this defect. The Anglo-American Society has

asked Sir Robert Falconer to show how Canada may act, and does act, as an interpreter between the peoples of Britain and the United States, and to show Britons and Americans that they have much to learn from each other and that they have many reasons for coming closer together.

Education Saved Polly. Possession of the human speech

saved the life of one of my educated parrots. This parrot had wandered from the grape arbor to take a dust bath. One of our hens who had quite a family of small chickens, thinking that Polly was after her chicks, spread her wings and ran for the queer-looking bird. She was ready to spring upon Polly, when Polly turned facing her and holding up one foot remarked: to make her getaway, but the hen again followed her. Polly quickly turned and said: "Now you guit. Shoo!" This was too much for Mrs. Hen, and she went back to her chickens.-Leanora E. Tuttle.

Generally Different.

NO NOT EXACTLY THAT!

piqued the curiosity of Francis Wilson, physically are often quick enough tion. the actor, and he said: "Not many children here." "No, sir, not many," was the answer. tells. He was usually late in coming your house now, doesn't he?" "How often are children born here?" to work, and one day the foreman took "Yes, and most of his money on him-

"Only once," was the answer. "It's a funny thing, Jim," he said, America Oldest Continent. Samuel Johnson at Shrewsbury, where | Science, philosophy and religion sea bottom and taught it to swim, Grace the whole one and kept the but- | America, although the last to be dis- door to the works, while Teddy is allus still lead all the rest?"

Natural Resources Bulletin.

Do you know what natural resources are being developed in your own district? Do you know what your own town or village?

Sleeping and curled and still, the child- reports of industrial development that Within their mother, the brown and is taking place at home. One of these was where a St. John, New Bruns-One says: "My father was a gallant wick, manufacturer, who uses glue in his plant, did not know that fish glue was manufactured in that city. The product was marketed from Montreal and the place of manufacture was unknown.

When the Canadian explorer or surveyor prepares supplies for his trip into distant parts of the country, one of the necessities is butter. This is "Now when I'm grown I hope that I put up in sealed cans and will keep fresh for long periods. Butter is put up in this form in Halifax, and it is men. I hope that I may die as my father interesting to note that a wholesale grocer in that city was unaware of the fact.

> Another advantage of these local exhibitions was that the waste from raw material of another. This en-

six lectures at university centres in one's own home surroundings may be I asked my Pa a simple thing: Great Britain. Sir Robert has chosen of value to all residents, and further, as his subject "The United States as it tends to create a greater interest. Pa read his paper, then he said:

Earthquakes Since A.D. 577.

1531

1759

The Natural Resources Intelligence terior at Ottawa says:-

This thought is suggested by recent evidence a lack of knowledge of what

A recent development that tends to overcome this situation has been the holding of exhibitions of local manu-And, as he spoke, a man uprooted him facturers. Many curious situations To make a London child a Christmas have thus come to light. It has been found that buyers were sending con--Jan Struther in Westminster siderable distances for articles manufactured in their own towns or villages, and that use was being made of materials of which little was known fragette afterwards.

by almost the next door neighbor.

means that he will deliver a series of sources, both natural and created, of

Catalia 15,000	,
Syria 20,000)
Cilicia 60,000)
Naples 40,000)
Lisbon 30,000)
Naples 70,000)
Vesuvius 18,000)
Calabria 10,000	1
Schamaki 80,000	
Sicily 100,000)
Yeddo 190,000	1
Algiers 18,000	
Pekin 95,000)
Lima and Callao 18,000	
Cairo 40,000	1
Kashue (Persia) 40,000)
Lisbon 50,000	,
Syria 20,000	-
Central America 40,000	1
Aleppo 20,000	ì
Calabria 10,000	į.
Colombia 14,000	
Japan (Hondo) 10,000	1
Martinique 40,000)
Krakaton 36,000	,
San Francisco 452	
Messina 164,000	
Costa Rico 1,500	
Thrace-Asia Minor 3,000)
Bulgaria 250)
Walcon and Hope Is's. 500	
Peru 250	
New Hebrides 500	
Sagura, Japan 250	,
Hondo, Japan 360	
Catania 200	1
Central Italy 12,000	-
N. W. Persian . 6,000 to 20,000	
Japan 103,000	-
An Ingeniuos "Alibi."	
The people who are most	

mentally. Such was the case with the British workman of whom the Tatler "George spends most of his time at him to task.

"you allus coming in a quarter of an hour behind the time and living next | The interviewer-"Does your name

tinents. Hence Tennyson in his poem, torted Jim. "If he's a bit late in a on the list." I'm late, I'm here."



little nonsense now and then nakes fortunes for the scag writing

He Saw Through It. Man-"I'd like to buy a diamon i necklace for my wife." Floorwalker - "Glassware in aisle

Speaking of Dumbbells:-My girl's go dumb she thinks a tonsorial parlor is a throat-doctor's office.

ing vine before she married and a suf-Few of us care how short the skirts

are worn outside of our own family.

A sneak is a woman who was a cling-

A wedding was delayed recently because the bridegroom fainted. We understand, however, that the poor fel-

A Riddle to Willie.

"Where holes in doughnuts go?" "Oh, you're too young to know."

I asked my Pa about the wind: "Why can't you see it blow?" Ma thought a moment, then she said: "Oh, you're too young to know." New, why on earth do you suppose

They went and licked me so? 1268 Ma asked: "Where is that Jam?" I "Oh, you're too young to know."

Nowadays there is a woman's auxil-1638 fary to just about everything except 1667 the trackwalker's union and the su-1693 preme court. "An invalid was cured instantly

1731 when a wild boar dashed into his bed-1746 room, says newspaper. We've also 1754 known tame bores that any self-re-1755 specting invalid would recover to co-1755 cape. 1797 It is reported that 5.250 people were

1857 divide the fatalities as follows: 50 1875 inhaled it; 200 lit a match to find '1891 where it was leaking; 5,000 stepped 1902 on it. 1883 1906 A benefit for retired Swiss yodelers

1822 killed by gas in 1924. The statistics

1908 has been started. The yofelers will 1910 get the fund and everyone else the 1912 benefit.

1913 More than a hundred years ago John 1913 Adams wrote: "There are no people in 1913 the world so much in favor of titles as 1914 the people of America.' John didn't 1914 know the half of it.

1914 Peace will come to the churches 1923 when all the denominations cease re-1923 garding God as a close corporation.

Some of the girls with a shingle bob are shingled in the wrong place. A village with very few children The people who are most indolent A bribe in time saves an investiga-

In Alphabetical Order.

Good Advice. He-"I haven't gone round with a single girl this winter."

She-"Better leave other men's

Defended the Weak "Do you relieve in defending the

"Haven't you time and again heard

wives alone."

me taking up for near-beer?" Hard Boiled. Mother-"Little sister is crying. Go

and see what she wants."

Bobble-"Aw, women's tears don't move me." A Cake-Eater Now. "So Jim has become a cake-eater,

"Yes-married the baker's daughter last night."

Mare Worms.

Mrs. Deckeledge - "My husband

spends all his time in the library. He's

a real bookworm." Mrs. Stockson-Bonds - "And mine spends his time over the stock ticker, reading the tape. He's a veritable

Efficient

CORRECT FEED FOR BABY CHICKS.

Whether a person is raising bi for show-room purposes, or for me or egg production, or a combination both, the degree of his success depe upon the early growth made by birds. He can make or break a l during the first three months of

And with the increasing number incubator-hatched chicks each y there comes to man the feeding du of the foster parent. Usually | means only teaching the young chi to eat, for whether they are rea by man or hen the necessity still mains of supplying them with right kinds of feed in the proper ; ounts to get them started and k them growing. Teaching the young chicks to en

simple enough. Nature provides ti with this instinct, and as soon as t are rested from the labors of break through the shell they go to picking pieces of egg-shell, or the toes of another. All man has to do is to I vide attractively-colored feed on ca board or metal containers for a or so and the feeding problem is si ed. The noise of the more advent ous ones first starting to eat fr these hard containers attracts other chicks and soon the entire bri is eating. After a day or two of it is a simple matter to change of to feeding in the litter to provide ercise for another natural instinct scratching. TOO EARLY FEEDING CAUSES TROUBL

The last step in incubation is absorption of the yolk of the egg the formed chick. This yolk is tal into the digestive system of the ch and is Nature's method of supply it with its first food. It will last several days, and therefore it is necessary to feed the young chil immediately after they are hatch In fact, feeding too early is often ! cause of much stomach trouble. T young chick is not able to handle of feed until this yolk is entirely dige ed. It is therefore unwise to feed chick until it is 48 to 72 hours of

When feeding does start, the potryman must supply certain nutries if maximum growth is to be expect He must feed a balanced ration, whi means supplying these various for of feed in the proportions needed used by the chick in the formation its body. These nutrients are wall ash, protein, carbohydrates and fa The principle and most expens of these feed nutrients is prote

Protein is found in all meats, in eg in milk and a little is found in grad Proteins in themselves are made of amino acids. There are quite few amino acids-numbering cl to 20. The chick, in its body form tion and its growth of feathers. quires the presence of all of the amino acids. If any are lacking t growth will be stunted, just as built ing operations will cease when the are plenty of brick on hand and

NOT ENOUGH PROTEIN IN CRAINS, Grains do not contain all of the necessary amino acids, and the pr teins they do contain are not in the proportion needed by the chick. It therefore essential that other prote be added. This is usually supplied from an animal source, as such pr teins contain the amino acids lacking in grain. The most useful forms of such an

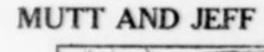
mal proteins are infertile eggs, butter milk or skim-milk, tankage, or pos dered meat scrap. The lactic acid milk aids digestion, and it contain one of the necessary growth-producing vitamines. It is almost essential the all growing chicks receive milk in on form or another. There is no other farm stock that will give better ri tuens from milk as a feed than the growing chick. To get a chick to drin milk it is often necessary to dip if bill in the milk as soon as taken from the incubator. Withholding water from the chick for the first week wil riso help to teach it to drink mill Fried buttermilk in the mach or sent ac'd buttermilk undiluted are good i ms for chicks. Infertile eggs should be mose I wat

a mash feed and fed raw. Cooking eres lowers the amount of food value that a chick receives from them. Il careful, though, that the young hird do not receive tor much of such rick food at any one time. The tankant and powdered meat scrap are both fee in the mash. FIED BOTH GRAIN AND MASH.

Thicks should be fed both a grant and a mash ration in addition to have ing access to buttermik or skimmik at all times. The grain ration supplies the necessary carbohydrates and

The mash should be made so as to add the protein and ash nutrients lacking in the grain. The first weak they should receive only the grain and milk. Feeding little and often is far better than feeding large amounts. Overfeeding causes diarrhoea, as Nature did not intend the digestive system to be forced too early. Grain fed sparingly five times a

> day the first week will not overcrowd them and will get them ready for the mash feed the second week. A good grain feed should consist of six parts of cracked corn, two parts of cracked wheat, two parts of any grain, not A mash feed is fed to force the



and classic literature.

JEFF'S AS CRAZY AS A FOX-By Bud Fisher.

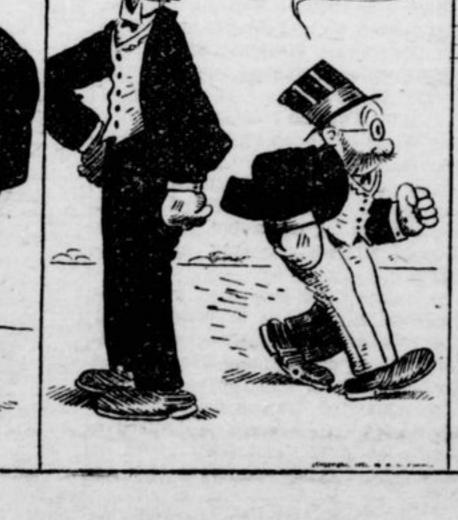








STRANGER FOR AN



asked Wilson.





