Stitches in Time.

upon the battery.

to become exhausted.

on a car where the generator does not re-charge the battery sufficient to supply the needed current or in thing to do is to find out which cylin- level surface on which the vehicle dust away, for, as graphite is a good those sases where there is no generator, the battery will need re-charg- head of a hammer against the spark Spotlights shall not be used except for a ground or a short-circuit to ing periodically.

The current required for this purpose may be obtained from electric service or from a generator especially installed for the purpose. In the great majority of cases the current is taken from service mains. These carry either direct or alternating The next step is to examine the current, generally the latter.

The simplest method of recharging As a rule a current tap is arranged ues, then examine the carbureter. in front of the machine on the level ed a futile attempt to find the selfor three lamps, and the charging rate is limited by this. In making connections, care must

be taken that the positive terminal of the battery connects with the positive main, as otherwise the battery Simple Method of Determining because of their improper construct ma'ams," with clutch disengaged to would become discharged and reversed. A wrong connection will be shown instantly when the switch is closed by the lamps lighting up more brightly than normally, while they

During cold weather it is often ne- identified. Another method of cessary to crank the engine longer in termining the polarity of carging the A. A. A. legislative chairman has sion gears is likely to make the gears order to get an explosion. The self- mains consists of moistening a strip thus covered the headlights ques- almost as noisy as too little. It is starter, driven by a motor, is over- of red litmus paper, placing the ends tion: worked and there is an extra drain of the two wiress upon this paper a "Glaring Headlights-It shall be cases to the brim in an attempt to

The longer evenings also contri- ing on the current. A blue spot will kind operated on the public high- gears. The better way is to fill the bute-their share in the draining of be-formed under the negative wire, ways of this State any lighting de- case about half way up the gearsthe battery of its current, and if the Storage batteries should be kept vice of over four candle-power equip- unless the manufacturer recomengine does not run for a continuous- filled to the level of the top of the ed with a reflector, unless the same mends some other limit. length of time, the battery is liable electrodes with pure, clean water, shall be so designed, deflected, or ar-

> cylinder metal. The uneven firing is on the ground and at a distance not perhaps a little moist oil. noticeable in a motor which is miss-exceeding 30 feet in front of the ing, and if after touching the ham- vehicle."

resting is faulty. wire leading to the spark plug, and the reflected rays will be condensed and if there is any tendency toward Only direct current can, be used also remove the latter. Note if the in solid colume as much as possible, for charging, and where the service porcelain is cracked. Clean it thorand so as to eliminate stray rays as is alternating, the current must be oughly in kerosene. Trace the wire far as possible. To focus the light ble. rectified before it, can be used. A- from the plug end to the coil, seeing side from that, the current must be that the insulation is in good order direct or continuous, it must also be and that the contact points are not sufficient size at a distance of ten of the proper voltage. A voltage of loose. Next examine the coils and 110-115 has become practically the master vibrator. See that the standard in electric lighting practice, vibrator is adjusted properly and and with this voltage batteries of that all wires leading from the coil-42-44 cells in series can be charged box are tightly fastened. See that to the best advantage. For each cell the wires leading to and from the things necessary to overcome obin series, therefore, there is required magneto are clean at the contact a charging voltage of at least 265 points and that they are fastened

After every part of the ignition a storage battery from direct current system has been examined measure the front. lighting mains is by no means of a the clearance between valves and "3. Make a mark on a board, gradually. The good driver thus so-called tap or charging plug which their stems. Too much clearance at broom handle, or on the coat of an saves gasoline and wear upon brakes crews into a ordinary lamp socket. these points will cause the valve to individual 42 inches from the ground coasting to a stop with the smooth-The plug is screwed into the socket open late and may cause a miss. If and see that the upper circumstance ness of operation of an easy start. and the charging cable is connected | the clearance is not enough, the same of the solid volume of reflected light | A good driver never uses the emdirectly to the battery which is to be result occurs. The space between does not strike above that mark at ergency brake, because she never has charged. The tap is provided with the valve and stem should be just | 75 feet in front of the light. Police emergencies! She sees and avoids three sockets into which lamps may enough to permit of the insertion officers and others may easily deter- th emergency before it arrives; the be screwed, is connected in parallel between the two parts of an ordinary mine the distance from the ground poor driver rushes into trouble and and the battery is in series with | business card or three thicknesses of | by noting a certain button, pocket, depends upon quickness in grabbing them all, so that it receives as much newspaper. With the valves adjust- laper, or any other distance mark on the emergency lever to save life. current as the three lamps together. ed properly and the missing contin- their wearing apparel. By stepping More than one accident has follow-

HOW TO DEFLECT GLARE OF HEADLIGHTS flected.

if Rays Are Bent Down at Proper Angle.

The problem of the headlights, at ors will have to be secured. burn more dimly than normally if least for the time being, and for "The Society of Automobile En- that passengers are unconscious of the connections are correctly made, those who persist in using head-gineers has what is known as its the fact. In rounding a corner she It is however, preferable to deter- lights without dimming or glare- Committee on Standards, and a divi- commences to straighten the car up mine the popularity of the charging eliminating devices, seems to be best sion of the committee is now work- before it is halfway around. mains in advance. This can be done met, according to Chairman O. I. ing on the details of headlights, reby inserting the two wires to be con- Yellott, of the American Automobile flectors, and bulbs, with the object | Next to being well being convalenected to the battery into a glass of Association Legislative Board, by the of establishing standards which shall scent is the most satisfactory condislightly acidulated water and turn- simple suggestion of the Society of make it easier for manufacturers to tion, and some even seem to prefer it ing on the current. Gas bubbles will Automobile Engineers that "no beam supply headlights in the future that to perfect health. then be observed forming at both of reflected light shall rise above 42 will give adequate illumination and It is but exactly to one's credit to electrodes andr Ising to the surface. inches at a distance of 75 feet." at the same time comply with the be a good fellow. There are a lot of The rate of gas development is This decision is the outcome of much provision preventing the beam of re-, good fellows in the penitentiaries. greater at the negative than at the study and experiments during the flected light rising above 42 inches | Love is a disease that sometimes positive terminal, which can thus be last year and adheres closely to the at 75 feet distance."

California plan of bending the lamp brackets in such a way as to divert the rays to the ground, says Mr. Yellott, and continues:

"In compiling an up-to-date uniform motor vehicle and traffic law

mer head to a plug no difference is To ascertain when a light is 42 cal conductors made up of fine noticed in the uneveness, then that inches from the ground at a distance strands of wire is very easily done if

> following instructions are given: or fifteen feet and by adjusting the area of light as much as possible and make the light from both lamps as nearly uniform as possible. This is the most difficult of the three jectionable glare.

"2. Place the machine on the level and measure a distance of 75 feet to

at a distance approximating 75 feet dom-used emergency lever in a hurry.

tion (being either too flat or too save the rear axle mechanism.

HELPFUL HINTS FOR MOTORISTS

which is about ready for circulation. Too much grease in the transmispoor practice to fill transmission short distance apart, and then turn- unlawful to use on a vehicle of any silence the noisy growl from the

Better to use distilled water or rain ranged that no portion of the beam In electric motors or generators in · Where storage batteries are used water than has not come in contact or reflected light, when measured 75 which graphite brushes are employfeet or more ahead of the lamps, ed particular care should be taken If a motor is missing the very first shall rise above 42 inches from the to keep the accumulation of brushder is missing. To do this, place the stands under all conditions of load. conductor of electricity, it is possible plug terminal and also touching the when prefecting their rays directly form with the aid of the dust and

Removing insulation from electricylinder upon which the hammer is of 75 feet in front of the car, the the insulation is set on fire and allowed to burn off to the desired 1. Have the light focused so that point. The wires will not be injured, brittleness the heating will remove it and leave the metal soft and plia-

Female Drivers.

The good woman driver of a motor car never applies brakes swiftly except in an emergency. When drawing up at a street side she cuts off ignition early and allows momentum to carry the car to the stopping place, using the service brake

they may easily determine whether . The good driver rounds sharp coror not the lights are properly de- ners to the right and goes over extremely rough stretches of road or "There are some reflectors that, hits unexpected "thank you,

deep), would make it impossible to The good driver uses the wheel secure a condensation of the main with the least possible motion. She rays. In such cases different reflect- does not drag it suddenly from side to side, but turns it so gradually

even marriage will not cure.



NEWEST NOTES OF SCIENCE

The inventor of a French monoplane has modeled it after a winged maple seed.

by their evercoats.

teet men's collars from being soiled

tion in the world, 15,865 feet above filled. sea level, at Ticlio.

piece of metal tubing. An English inventor has patented a net for recovering golf balls that may be driven upon water.

Two ovens of the usual kind and ly. a third on the fireless cooker principle feature a new gas range.

sea are used by Russia to transmit scientist, weather reports to Petrograd.

It has been discovered that a deaf records by holding a needle in his separately.

NO STOMACH PAIN, GAS, INDIGESTION IN FIVE MINUTES

"Pape's Diapepsin" Is the Only Real Stomach Regulator

"Really does" put bad stomachs in order-"really does" overcome indigestion, dyspepsia, gas, heartburn and sourness in five minutes-thatjust that-makes Pape's Diapepsin the largest selling stomach regulator in the world. If what you eat ferments into stubborn lumps, you belch gas and eructate sour, undigested food and acid; head is dizzy and aches; breath foul; tongue coated; your insides filled with bile and indigestible waste, remember the moment "Pape's Diapepsin" comes in contact with the stomach all such distress vanishes. It's truly astonishing-almost marvelous, and the

A large fifty-cent case of Pape's druggist hands you your money back. thread automatically.

joy is its harmlessness.

less stomach regulator in the world. | the chemical properties of the oils in | ited, Toronto, Ont,

ible to other persons nearby, his dustry. skull serving as a resonator.

claimed to be moisture proof. An electrical automatic recording!

Covers have been patented to pro- been invented by an Englishman. An attachment for two wheeled from a binder automatically. hand trucks has been invented that

The cars on a small railroad in as 60 feet into the air. All but the blade of a recently pat- Chili, where the winds are dependented shovel is made from a single able, are equipped with sails for pro- by electricity in the handle of a new

Hand operated apparatus has been forated teeth to dry hair. invented that puts large quantities of butter into regular sized cubes rapid-

radiation of heat from the earth at [A new automobile windshield re- are pressed against it. sembles two ship's portholes side by

According to a Paris doctor yeast, diluted with lukewarm boiled water,

is a remarkably effective remedy for burns. An inventor has patented a pie pan

in two sections that can be taken apart without danger of breaking its A German nurse is the inventor of

a pocketbook for hankerchiefs which has a lining that can be removed and The jaws of a new adjustable

wrench can be used at eight differen angles and will handle any nut of ordinary size. Artificial lace closely, resemblin

and being more durable than the genuine is made from cellulose by French inventor. A seven-pound electro-magnet tha

will lift fifteen times its own weigh has been invented for many use about machine shops. Of British invention is a mirro marked with feet and inches to en

able persons to measure their own height by facing it, Plates to fit over the head of hammer and cutting blade have been invented to enable a hammer to be

aseful as a hatchet A machine has been invented by a at night, and I would faint at the Diapepsin will give you a hundred German that sews the open end or slightest fright. I tried several docdollars' worth of satisfaction or your side of a filled bag and knots the tors but they did me practically no

handy in case of a sick, sour, upset A process invented by an Italian are 50c a box or 3 for \$1.25, at all uses sound waves to replace the by careless treatment—that's all—foxes, minks and martens; to deterstomach during the day or night. It's chemist for extracting essential oils dealers, or mailed direct on receipt bones. the quickest, surest and most harm- from citrus fruits is said not to affect of price by the T. Milburn Co., Lim-

teeth and pressing it against them, any way and it is predicted that it contents can be drawn into the boards equipped with electro-mag- inches away from a person's face vestigate the effects of temperature the sound produced also being aud- eventually will revolutionize the in- mouth.

Pressing a button operating a new zuela is being carried on with en- it is transmitted to children only by Plate glass invented by a Philadel- coating sheets of theme tal with oil, container for salt or pepper that is couraging success by one. American | mothers and never by fathers. and two English companies.

Peru has the highest railroad sta- holds bags open as they are being shown that the wind will carry dis- that plants feel pain and he has in- the world's total supply being esti- and translates them into sound again and his legs encumbering an adja-

A rubber bulb enables air heated action. comb to be forced through its per- musician's musical instrument re- phone in which the receiver and they are of knightly descent, the

cohol and alcoholic drinks that are viol. made in the Philippines are derived

An instrument that measures the from the sap of a palm trees. Billiard oues are chalked automat- to be as hard as steel, to be non-

person can hear disk phonograph side, either of which can be opened Rhode Island inventor consists of a stitutions has been invented that a telescope tube through which its ing rooms.

> When You Can't Sleep YOU SHOULD USE

Milburn's Heart and Nerve Pills

Sleeplessness is caused by the nerous system becoming deranged. Perhaps too much worry has got ten on your nerves, perhaps you have overworked yourself, or have been excessive in your use of tobacco, but whatever the cause the nervous sys tem must be built up again before

restful sleep can be assured. Those whose rest is broken into by frightful dreams, nightmares, sink ing and smothering sensations, who wake up in the morning as tired as they went to bed, can have their old, peaceful, undisturbed, refreshing leep back again by using Mitburn's

Heart and Nerve Pills. Mrs. John Sloan, Haley Station, Ont., writes: "Over a year ago was very nervous. I could not sleep

Prospecting for petroleum in Vene- itary, according to a British scientist, and triangles.

shocks bundles of grain as they fall automobile tire and receive paint bolws by a hammer. Tests made by Irish scientists have An East Indian scientist contends quality of coal of any continent, prints the photographs on the films body relaxed, his eyes half-closed,

ease bacteria 200 feet and as high vented a machine which he claims mated at 7,397,533,000,000 tons, of as the pictures are shown. measures their nerve shocks and re- which nearly 4,000,000,000,000 are With a piano keyboard a Kansas

More than 90 per cent of the al- of an orchestra, including the bass horn, so that I can be used several their possessors' ancestors were ar-

Wireless stations along the Baltic night is the invention of a Danish | ically by a new device which revolves corrosive and which can be brazed a block of chalk as the tips of cues and soldered. Because gongs will not awaken A drinking device patented by a deafmutes a fire alarm for their in-

cup to be placed under a faucet and flashes electric lights in their sleep-A box machine of English invention drives the nails at an angle through two boards at once and turns

> Best results are obtained with hose nozzles from six to ten times the hose! diameter in length and with the opening one third their own diamet-

the mulberry tree a Japanese naval what will please you most will be can be folded into a space of about

To enable a woman to examine her ! noes or the bottom of her skirt here has been invented a mirror to e set on a floor and adjusted to any lesired angle.

in Argentina for wholesale destruction of insects.

nets to which current is directed by without holding in the hand.

phian, made by welding a thin sheet folding or piling a number of them To print advertisements upon of celluloid between two panes of together and rolling them until they A patent has been granted a Kan- roadways an inventor has devised a ordinary glass, is bullet proof and are as thin as desired. target for indoor rifle shooting has sas inventor for a machine that huge rubber stamp to encircle an cannot be splintered with powerful Motion pictures that really talk class in natural philosophy, the pro-

An aluminum alloy has been in-vented by an Australian that is said NOT A PARTICLE OF DANDRUFF OR erties of an oil bearing nut which | ian Herald.

Your Hair! Double Beauty In Just a Few .

them back to form hooks in the sec- 25-Cent "Danderine" Makes Hair Thick, Glossy, Wavy and Beautiful.

Within ten minutes after an applia single trace of dandruff or falling From paper made of the fibre of hair and your scalp will not itch, but officer has invented a lifeboat that lafter a few weeks' use, when you see new hair, fine and downy at first -yes-but really new hair-growng all over the scalp.

Danderine is to the hair what fresh showers of rain and sunshine are to egetation. It goes right to the roots, invigorates and strengthens them. An electrically charged net, mount- Its exhibarating, stimulating and life ed on a wagon for removal to where producing properties cause the hair t may be needed, has been invented to grow long, strong and beautiful. A little Danderine. immediately

loubles the beauty of your hair. No When gold nuggets are heated over difference how dull, faded, brittle are directly interested in fur farma Bunsen burner blisters appear on and scraggy, just moisten a clott ing. There are silver fox yards in their surfaces and explode, which is with Danderine and carefully draw it thirty-five localities, while on an taken to indicate that nuggets con- through your hair, taking one smal equal mumber of islands blue foxes strand at a time. The effect is are farmed. The silver fox farms An English chemist has invented amazing-your hair will be light, are not producing fur, but pelts sent a synthetic milk that can be con-finfly and wavy, and have an appear- to market during the last season densed or dried that is made from ance of abundance; an incomparable from the older blue fox farms peanuts; soy beans, sugar, water and lustre, softness and luxuriance.

good. I noticed your advertisement | mineral salts from genuine milk. | Get a 25-cent bottle of Knowlton's are being carried on at Washington It's worth its weight in gold to | Electric gasoline pumps for public and immediately tried Dr. Milburn's | To cure the ringing noises in the Danderine from any drug store or Linden, Md., and Chesterfield, N.Y., men and women who can't get their service do their work when a button Heart and Nerve Pills, and I am stomachs regulated. It belongs in is pressed, a gauge showing how proud to say they cured me."

your home—should always be kept much fuel they supply.

Heart and Nerve Pills, and I am prove that your to determine the best method of feed-proud to say they cured me. In the prove that your to determine the best method of feed-prove that your to determine the best method of feed-prove that your to determine the best method of feed-prove that your to determine the best method of feed-prove that your to determine the best method of feed-prove that your to determine the best method of feed-prove that it has been neglected or injured ling fur bearing animals, especially the provents of the displacement to the displacement to the displacement to determine the best method of feed-provents and soft as any—provents and you surely can have beautiful hair mine the species most suitable for |. To permit one armed persons to and lots of it if you will just try domestication; to produce improved draw a German has invented drawing a little Danderine.

Athough color blindness is hered- foot switches to hold metal T-squares | A Swiss process for the manufac- of dressing peltries and of caring for ture of aluminum foil consists of dressed furs,

Asia is believed to have the largest | who photographs the sound waves, in a rear seat, his head drooping, his

According to a French scientist birthmarks in families not now of A woman is the patentee of a tele- good social position indicate that slowly, but did not change his pose, produces the parts of the four violins transmitter are enclosed within a marks being due to the fact that

> table patented by a Baltimore woman | onable answer to my question?" can be raised level to double its size or vertical to form a box, the table being mounted on wheels so it can be used to carry heavy loads, Government scientists in the Phil-

grows prolifically and from which the natives extracted an illuminant before the introduction of kerosene. In the motion picture field a recent patent covers the use of a stationary slide to provide a background while the film shows only the actors' motions and can be made in a studio

without regard to the scenery. Tests by the United States bureau of standards have proved that concrete roads expand most in winter and contract most in summer because of increases and decreases in moisture that they contain.

Measuring the current carried from electric wires by streams of water from fire hose, an Italian scientist found that chemical extinquishers were the most dangerous fire-fighting equipment to use around live Wires.

Fur Farming Among Alaskans. Indianapolis News.

Upward of one hundred Alaskans | it should be brought good results. Experiments. I strains by selective breeding; to in-

on fur growth, and to test methods

During the recitation of a college are the claim of a California inventor | fessor observed a tall, lanky youth

> "Mr. Frazer," said the professor. The freshman opened his eyes "Mr. Fraser, what is work?" "Everything is work," was the drawling reply.

"Sir," exclaimed the professor, "do Leaves on each side of a kitchen you mean to tell me that is a reas-"Yes. sir."

"Then I take it that you would like me and the class to believe that this desk is work?" "Yes, sir," replied the youth wearippines are investigating the prop- lly; "it is woodwork."-The Chris-

Even Break.

Dallas News. "This world would be a pleasanter place if there were not so many fools in it." "Yes, but it would be more difficult to make a living.'

Flattering to the Original

But Imitations Only Disappoint There are many imitations of this great treatment for coughs, co ds, croup, bronchitis and whooping cough. They usually on the merits of the original, but simile of the package bearing

portrait and signature

of A. W. Chase, M.D.