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# THE DISPA OH

1916.

# WATCH THE NUMBERS

Mover Device Shows Plainly Speed of Motorist

Speed indicators for automobiles have been invented without number



luring the past few years, but the newest kind is a speedometer that not only shows the speed to the driver If the machine, but to the people on he street, as well, A portion of the mindshield on the machine is ruled off hto squares, and each square marked with a figure, indicating the number M miles per hour. Each square is a tompartment and is equipped with an beneath the skin. Dectric light. Under the hand-needle Man especially prepared speedometer, dectrical contacts are placed, connectlag with the various figures. As the oar gathers speed, the needle moves around the face of the speedometer over the contacts which cause the Ights to flash. The device has been patented and is said to give good service, as it settles all controversy as to speed, since the only figure that is visib' is the figure showing the actual speed of the car. The device is not believed to be very useful for work ta daylight, but it will work satisfactorily at night.

# KEDKOSE EA "is good tea"

## WHAT DO YOU KNOW?

Water rolls off cabbage leaves because they are covered with a very fine dust

Dark clothes are the warmest because they attract more heat from the sun.

Dusty shoes are always the hottest because polished shoes throw off the heat.

A negro has black eyes because that color defends them from the strong sunlight.

The bubbles in a teacup follow the spoon because it attracts them just as a magnet attracts steel.

It is in the lungs that our blood becomes red. Before it gets there it is of a dark purple color.

Plants grow quicker on bright moonlight nights because such nights produce dew, which is very good for plants.

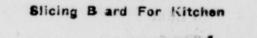
A kettle "sings" because the air in the water escapes by fits and starts. and so makes the "singing" noise.

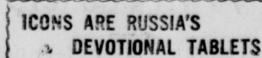
Animals are covered with fur, hair, and feathers because those substances prevent the heat of the body from escaping.

Hawks can see such a long way because they have a special eye muscle by which they can alter their sight to long distances.

A black man's skin does not scorch or blister with the hot sun because black absorbs the heat and takes it

Trees and flowers make the country healthy because they feed on the bad carbonic gas in the air and return the good oxygen to it.





There is not a home in Russia that does not possess its icon, the devotional tablet in the mystic power of which every Russian believes. These icons and antiquity. There is an interesting collection of them at the Victoria and Albert Museum. The word "icon" is really the Latinized form of a Greek word signifying portrait. The portrait may be small enough to

carry in the pocket, or it may be life size, and the icons in the Russo-Greek churches are often of wonderful workmanship and costly design. The raised halos of the portrait figures are specially enriched with precious stones and in the case of the portraits of the Virgin the robes are encrusted with seed pearls and the fingers and neck adorned with jewels.

Some icons take the shape of a square or oblong box, set in metal thickly enamelled and hinged, which, when open, reveal figures of religious interest. Some curious examples of icons of finely carved horn are also to be found, the effect being most beautiful when hung in a position which admits of the light being seen through the carving. A small but exceedingly fine specimen of the horn icon is minutely carved with a series of episodes in connection with the birth of Christ. Its mounting is of silver-gilt, chased in a cord pattern, and the whole hangs from a suspensory bead. One may also come across the icon of carved boxwood, fitted for the sake of the protection of its fragile beauty into a case of precious metal, enamelled and studded with precious stones.

# **BOY'S HEART MASSAGED**

#### Action Restored After Thirteen Minutes' Suspension

The story of how Albert Davies, aged 6, had his heart's action restored by massage after thirteen minutes' cessation is related in the privately circulated "Gazette" issued to the staff vary in size, quality, and decoration, of Guy's Hospital, London, Eng. After many of them being of great value the boy's tonsils had been removed he stopped breathing. Other means failing to restore respiration, which had ceased for twelve minutes' an incision was made to enable the surgeon to massage the heart. After about twenty squeezes the heart was suddenly felt to be beating and respiration was reestablished, though at first the pulse was not perceptible, and the boy's condition remained extremely feeble. He was unconscious for two days. Only by unremitting care was he brought round gradually to perfect health.

The medical statement on the case concludes: "There have been several successful cases recorded of heart masage, but this case is perhaps unique, in that recovery took place after so long a time of cessation of the circulation. It can be imagined that it is extremely difficult to estimate time in emergencies, but it is certain that the heart had stopped at least thirteen minutes, and the impression of those present was that this figure should be between fifteen and twenty minutes."

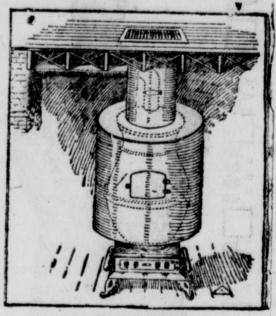
# PROTECT MIGRATORY BIRDS

At the North American Conservation Conference, held in Washington, in 1909, and attended by representatives of Canada, Newfoundland, United States and Mexico, the International problems presented by the proper pro-tection of natural resources were clearly recognized. With regard to migratory wild life the necessity for co-operative action is especially obvious. In Canada and the United States the protection of this invaluable resource is vested in the individual provinces and states, respectively. Protective laws were extremely di verse in both character and efficiency. with the result that the beneficial effects of adequate protection in one part of course, comes from the same portion of the continent were largely ; root as the latter end of "stearer phy" nulified by the lack of similar measures in other sections. To secure stricter and more uniform protection negotiations between Canada and the United States were undertaken. The arrangement was satisfactorily concluded, the later ratification by the United States Senate constituting the final step. The treaty does not affect. the administration of the provincial game laws, but insures in Canada, as in the United States, the minimum of protection regarded as essential to the permanent preservation of the wild life resources of North America.

## HOMEMADE FURNACE.

Constructed From an Old Stove and to Galvanized Tank.

This furnace was constructed 12.10 an ordinary pot stove and an old se ganon galvanized oil tank turned re aide flown over the store. says Por lar Mochanics. Holes were cut in the bottom of the tank for the stove and the hot air pipe. The tank was sup ported about one foot from the floe



OLD STOVE IN TANK.

so as to let the cold air in from the cellar to take the place of the hot air as it passed through the air pipe into the room above. A hole was cut in the side of the tank opposite the stove door and another door attached to provide an opening for feedil'e fuel into the stove

Th\_ store was made to heat a store. and was used with entire satisfaction. Very little coal was used during the winter, and plenty of heat was preduced at all times.

## SHORTHAND WRITING.

"Stenography" Not the Only Name Ca Which It is Known. .

#### A QUICK Trip

After the racing season closed at New Orleans one season a colored roustabout asked where the next neeting was to be held. He was told "Toronto."

"Is it far?"

"Just a short distance," was the seply, so he jumped in a boat and started to row there. When shout tour miles from New Orleans an acquaintance on the bank hailed him with: "Hello, Link, ole boy!" Link started for the shore, musing to himself:

"Ah wondah who knows me in Tornto?"



A Serbian Woman

The peasant costume of the Serbs is colors and beautiful fipish. The



by a device used by a "sandwich man," and proved practical for use in the nome and especially in the camp. Potatoes, or other articles of food to be sliced, are placed in the hollow portion of the board and moved against the edge at the right, under the knife. The guide, which may be adjusted by means of the wing nut, permits slices of varying thickness to be cut .--Popular Mechanics.

## HUGE RAILWAY SHOPS

Efficiency in Repair Work Sought by Canadian Roads

The principal car repair plant of the Grand Trunk Railway for the lines. west of the St. Clair River at Port Huron for many years, was destroyed by fire during the winter of 1914-1915. Their old plant was of limited capacity and located at what was the old terminus of the line previous to the construction of the tunnel under the St. Clair River. After the fire negotiations were carried on between the town of Port Huron and the railroad, resulting in the acquisition of the property vacated by the Port Huron Thresher Company, which property was very much more advantageously situated, being near the tunnel line.

The plant was first planned to consist of a power house containing 6 160 h.p. boilers serving double turbosteam generating units of 300 k.w. for developing the electric power for lightng and operation of machines, all notor driven; a passenger car shop accommodating 27 modern passenger cars; a freight car shop accommodat ing 70 freight cars; and other buildings. These buildings, including trackage, were to take a space of approximately 55 acres; arranged for economical operation, special attention having been given to this feature to ensure maximum efficiency. The total cost was estimated at \$700,000.



Pencils may be pointed without spreading the dust from them by the uses of the device shown in the illusmost cturesque, the feature of it tration. A piece of emery paper is being a fringed appon of guady dived to one side of the cover of the cover of the box. By turning over the cover with comment and beautiful fipish. The box By turning over the cover with chandle, after a pencil has been pointpowerful and in many calles bond of, the dust may be dropped into the westeries concrete or iron stairways bond in the box and removed from time to time. somen are usually healthy and of, the dust may be dropped into the

"Will the Government protect belladonna growers by a tariff?" was one of the inquiries at a conference of medicinal herb growers in the Carlton Hotel, London. They had met to discuss the organization of various societies for producing home-grown herbs to replace supplies formerly received from Germany and Austria. The inquirer explained that 6 pounds of fresh belladonna leaves produce only 1 pound of dried leaves, and for this 50c is offered. "It's impossible to produce them profitably at that price," he said.

**KING AS HERB GROWER** 

New Industry to Replace German

Supply

"I have got 7 pounds of forglove leaves and 3 pounds of dandelion roots." What good was that to a man who had orders by the ton, asked Mr. Latimer, whose point was that it was a huge industry. Sir Sydney Olivier, Permanent Secretary of the Board of Agriculture, intimated that if any reliable organization was founded with prospects of supplying medicinal herbs in remarkable quantities the Development Commission would doubtless give favorable consideration to the question of a grant.

"Both the King and Queen have taken the greatest personal interest in the movement," stated Mr. H. C. Cust, the chairman of the Central Committee for National Patriotic Organizations, who presided. At their Majesties' request there had been a consultation with the head gardener as to what could be done in growing the herbs in the royal gardens, and he (Mr. Cust) had since received a letter from the Queen's secretary stating that the matter was being proceeded with. Many owners of large gardens had started to grow medicinal herbs, some putting down 15 to 20 acres.

#### Aged Speakers

Although the Speaker's office is an exhausting one, all its holders of recent years have lived to a hale old age. Lord Selby, Lord Ossington, and Lord Hampden were well over seventy when they died, and Lord Peel lived to eighty-three. Lord Eversley, who filled the chair for thirteen years, attained the age of ninety-four, and was so keen on outdoor pursuits to the last that he bought a new pair of guns when he was ninety-two. Speaker Shaw-Lefevre found his experience as a shot useful in the House. Someone asked him once how he contrived to ingle out his man when twenty members sprang to their feet at once. "Well," he replied, "I have not been ent shooting rabbits all my life for mothing, and I have learned to mark right one."

#### Breeding for Quantity

have a 200-egg strain it would necessary to make that mark the . That would mean not a few in the flock to lay from 200 to oggs per year. Such hens, for ng purposes, would be physical

In ell"buildings in Cologne except mente residences of not more thun

# SUPERSTITION IN JAPAN

### Missionairies Have Had a Fight Against Popular Beliefe

An European writes: "Japan is popularly supposed to have one re-ligion, Buddhism, and one quasireligion, Shintoism, usually understood to be upheld by the authorities as a stimulus to patriotic thinking. But as a matter of fact there are nearly thirty different sects in the two roligions. It is not heathen religions. owever, which have to be fought, but the superstitutions which cluster round them. Worship of a deplorable hind is practised in connection with many Shinto shrines. The tourist passes a Fox shrine by the wayside. and is impressed by its picturesquesness and sees little in it except a reason for a smile.

"There are Japanese at this day who keep serpents in cages and call them Odotsusama, 'honorable lord brazen serpent,' bowing before them in supplication. When we hobnob with the principal of the village school and he, with a cynical smile, says that the people are very ignorant, we should remember that in almost every village there are one or two soothsaying women called "Miko" who are consulted by otherwise intelligent men on every important step in business, and who have often more power than any priest or official over | tion given shows, it is claimed, that, the actual lives of members of the community, acting not only with regard to the affairs of the living but rendering service as mediums between the living and the spirits of the doparted, settling questions of property, marriage and divorce."

It should be the aim of every poulterer to improve the egg qualities of his flocks. He should take good aim. But in his endeavor to improve he should not make too rapid a pace.

Trap nests help to pick out the drones, and enable us to give better tiention to the workers.

Russia is estimated to have more than 4,000,000 acres of land which rould produce cotton if irrigated.

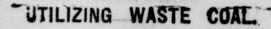
X-rays arparatus has been lavented for killing the tiny parasites that est ! email holes in leaf tobacoo.

Shorthand writing is known by other names than "stenography." "Tachygraphy" is only one of them. Its second -that is, from the Greek "grapho." meaning to write. "Tachy" is derive from the Greek "tachys," meaning swift, so only the shorthand writes who has the ability to take down rap id speech and transcribe it quickly had the right to call herself or himself "tachygrapher." (The "ch" sound like that of "k.")

"Stenography" comes from "graphe combined with "stenos," which mes "narrow" in Greek. So a "stenogra pher" is either a narrow writer or ste or he practices "narro writing."

Not so many years ago we heard a good deal about "phonography" as a name for shorthand writing, but the term seems to have gone out of use. It comes from that same useful roof "grapho," combined with "phonos." The latter word means "sound," that a phonographer is one who writes down sound as he hears it. The phonograph is, of course, an instrument; for writing or recording sound.

Then there are "brachygraphy" "steganography" and "logography" as other names for what we generally call, stenography. In the order given they are derived from "grapho" compined: with "brachys," meaning "short;" "sto. gano. "Queaning "covered;" "secret" ( stenographer is one when Kistes is cryptic or mysterious wrrang. not to be read by the uninitiated) and "logos," meaning "speech."-New York Times.



## Worthless Slack Burned With Ease is Patent Furnace.

An illustration of the feasibility of using waste coal for power purpose has just been given here, one of the new Patent water tupe boilers having been installed in an oil mill in this city. reports Consul Hamm of Hull, Magland. The success of a public exhibimuch coal which has heretofore been rejecterns worthless can be used and that greater efficiency can be obtained from this waste coal by the new meth od than from the best coal by the ol method

The system employs the known principie that almost perfect combustion can be obtained by mixing air in proper quantities with pulverized coal before the latter is introduced into a furnace This insures better combustice with loss air than usual and with w course tent increase of boiler efficiency by ret ring the amount of heat carried awageby the escaping gases. The resuits of 't'ned with the poorest kind of faet are a faimed to be an follows:

a viniest total elimination ( )ases. at the tast is burned in sus \_ union. the second of successined coal in the

