## Late Inventions and Appliances

T hat ping that stay.
$\mathbf{T}^{\text {Hese odd-looking hathis. are ro- }}$ That cent inven will not not come lit in claimining ofthe trat they will not come loose elther
thatr or the that. One of them ls twisted ilke a cork-serew Just
below its head, and when the pln lis pustied tinto position the wearer gives
it a twiat which holds it. A reverse is entirely spiral. It is not necessary that its point should pass
through the opposite side of the hat. Unusual Lawn Ornament.
On the sloplag lawn of a country house near Los Angeles atands a most
unusual ornament, a large globe of unusual ornament, a large globe of
crystal, supported upon a concreto pedestal. This shining sphere of glass acts as a mirror from any posithon the observer may take, reflectIng the landscape with singular clarit is poised is hexagonal, some four foet in helght. As the Summer sun glistens from the polished surface of the globe, it is visible from long distances, and is a landmark in that
section. section.

- Old Tire Protects New One.

By an arrangement of lugs fitted with rings which may be bolted into an old tire casing, English motorists save wear and tear on their new tires.
The device, which has only recently been brought out, is designed to prevent the cover of the good tires from coming in contact with the road surface. Kept in place of the new tire by a chain of a particular design, old
covers protect the new tires to such an extent that it is practically imposslble for a puncture to occur. There is no creep, no wear, nor friction between the outer cover and the tire, and it ha almost impossible to discover

## Notes on Health and Sanitation

CROQUET FOR MENTAL IESAT absolutely essential to brain tructures. And the more complete this relaxation, the greater the renewed energy with which the mind will return to its task. Each great thinker has his own pecultar way of securng this fow that of aevery common method is that of reverting during perlods of great mental stress. Louts L. Stedman, who was with General Oyama's army during the Russo-Japanese War, glvea a strikIng illustration of thls, which he wit-
nessed during one of the strenuous campaigns in Asfa, following a great counefl of war in which the generals had just particlpated.
"On leaving the council chamber,
one of the strangest sights ever witone of the strangest sights ever witpreaented Itself. Directly in front of Marshal Oyama's personal office was a croquet ground, and there at play, Hike happy children, were Generals Kodama and Fukushima and two
other members of the general staff, Generals Matsukawa and Och1. Kodama and Matsukawa were matched against Fukushima and Ocht, and the combat was vigorous. They had named onc of the posts Harbin and
the other Kirinand, and fought for postitons as eagerly as though on a battlefield. Every true shot at long range was greeted with shouts of applause, while if a gencral went wide When a ball rolled too far its owner would dance betore it, making crosses on the ground with his mallet and beseeching it to stop, while the other creamed with laughter.
Everyone familiar with the workstand that this croquet-ground played a part in winning battles almost as mportant as that of the councll chamber.

ASK your friends to buy their Railroad Tickets to California, via the Pacifc Northwest.

Theives nall a start. $\mathbf{T}_{\mathrm{n}}^{\mathrm{H}}$
 nall through the
ent of it. Then use this as a handle or two. But if a person has much of this work to do he should try
putting an attachment on his hammer such as is shown in the accompanying cut. A piece of apringy sheet
metal is all that is needed.
Stamping Auto Bodies.

Most modern motor-car bodies are made from pressed steel, stamped to
the desired shape. the desired shape. A stamping press tion in England is so large that the body of a touring car can be fashloned complete In two impressions.
More than 50 men can room in and upon this big machine, toggle device, is able to exert a pressure of 1500 tons.

To Travel Through Sand. A device to ald automoblles in
traversing sandy roads without trouble has been invented by a California man. It consists of an endless belt on adjustable rollers, and so arranged that the rear wheels run on the belt
instead of on the ground. The rollers are attached to the side of the tonneau above the rear wheels, and to the bottom of the frame in front of the wheels. The forward rollers are heid in contact with the ground by the rollers to rise in case an obstruction is encountered in the wheel track. Supplementary to the device, the inventor ataches broad strips of
belt fabric to the front tires, and thus equipped declares hls car can make 20 mlles an hour over sandy wastes stall. The device is readily remova only 15 minutes being necessary to put it on or to take it off. He has

T HE most importan FEET.
I a soldier's equipment are his tant care and attention, require confate of an army may depend unce the oridition of tis feet and its weapone it is an unpardonable offense for a out of repave elther one or the other
Since teet are also very useful, as well as troublesome appendages to divilans, the rules for preventing cro feet as recommended by the Red for anyone. The glist of these rules 5 as followa:
After washing with soap and water the feet should be dried very gentlynot rubbed. They should be dabbed lightly with alcohol on cotton, except
where the akin is broken. When dry, they should be dusted with a powder composed of equal parts of starch and boric powder. Reddened tected by strips of 'adhesive plaster and corns should be protected in the same manner. Toenalls should be cut short, Socks should be washed often, and thoroughly dried before use.
One of the hardest tagk for One of the hardest tasks for the soldier (and for many, many civil-
lans) is breaking in new shoes. Soakng with crude castor oll seems to be the most effective method, special attention to the softening being paid to the parts just above the heel, over
the Instep and about the great toe.

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