THE WATCHMAN AND SOU'HHRUS, JUNE 1, 1 G12


WAY TO KEEP OVERSHOES ON



## THEORY OF EARTH MOVEMENT

 \$he rate of rotation of the earth ditmtaleating the thme will come when the
Jegath of the day rad that of the lu joarth of the day Rad that of the lu-
manth will be the same, and the rigid body. When that occurs the
will be ss times as resent day. But the sun aiso pro-
uces tides and similar effects, though COMPASS FOR THE AVIATORS


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NAILING MACHINE IS HANDY


## By the addition of pulverized mica concrete is made to tmitate grantite.

 The Japanese make vegetable esinslass from six varietles of sea weed.
Soda will brighten china that has Soda will brighten china that has
been burned or darkened by long use.
The Amertcan shoe manufacturer is The American shoe manufacturer is
extending his sales in all parts of the
world. Many shoes sold abroad as "Amert ttcular.
Pulverized street rubbish and coal
tar have been found to make good fuel briquettes in Amaterdam.
A saan lock makees an effective sub-
sttute for a bolt on a door if the door and casing are flush with each other
Interesting tests in Germany hav shown that pens made of tantalun
outwear those made of steel or gold
Cepent for jolnning wood with me cepent for joining wood with me-
tal can be made oby milxing litharge
with suffictent glycern to form a paste. ingentous German baker util-
An
fibes a windmill to mix and knead his
bread as well bread as well as to grind his grain Iron has been smelted in Sweden
tor more than 2,000 years and some
of of the anclent furnaces atill are in
exstence. Japan's newest battleshtp also has
become the speedliest by the Installa tion of American turbine engines and
propellers
If a lttie chalk be rubbed on a file
before filing steel it
will chtps sticking to the flle to geratch
the work.
A machtne to hold a drill by which
ti may be sharpened by hand on an

nects the handile and the scoop, and
when the latter has anything in it the
tape will be drawn out tape will be drawn out to the potnt
which Indicates the welght of ts Which Indicates the weight of tts con-
tents. Whth an tmplement of this kInd
the grocer can go ahead and fill bags the grocer can go ahead and fill bags
by simply dipping the goods out of
a bin and consulting the tope tut or a Din and consultung the tape, instead
of frits shoveling into the scales scoop INCREASED USE OF CEMENT
More Used in the Year 1909 Than in
Any Other In History-Also
Price Was Lower.

States in 1909 than in any other Unted Sates in 1909 than in any other one
year in Its hastory, and the price by
the barrel was lower. In duction was $52,910.925$ barrels, valued was $64,196,386$ barrels, worth $\$ 51,232$;-
979 at the mills. 979 at the mills. In 1900 the average
price of a barrel of Portland cement was 85 cents; in 1999 the price aver.
aged 81 cents produced at 103 plants
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nd the need it fllls could scarcely be called a crying one, but it has alstinct
advantages over the old-style knife. The new knife has a slot running
across it near the end and in the slot a scraper blade is pivoted on a hinge.
When not in use the scraper Hes Hat along the knffe blade, but it can be
opened to abut the blade at right an-
gles. The putty is placed on the end of the knife and, with the thum
pressed agantst it, is latd along the
edge of a window rame, or whereve
tis It is to go, as in the old method. In
scraptng off the superfluous putty,
however, it is not necessary to remove
lig edge of this blade, as was formerly
the case. The scraper attachment on the new type does this work even more
effectively and the end of the knife is efrectively and
kept clean.

Untll within recent years there had been ascertained no trustworthy way
of finding out the age of fish. It has
been shown that mere size does not Indicate the age. Reibisch. Heincke
and others have discouered and others have discovered that man
of the bones, scales and otoliths

## INDUSTRIAL MICCAIANCAL NOTES

