## November 11, 1900

To Lay the New
Philippine Cable

THE LLLUSTRATED BEE

Nom sice<br>Hed be lucky to get it twice is a hlfetime,<br>t teft us to ourselves, don' you ser? I see, but hes soling. Why. he worked







 cride.

 Alleghare and Recond mountalins that over
got it." Iled the youth glibly. "It's simply wonderful."
around for a couple of hours bragking about himself and is now preparing an

Bog Avalanche in Ireland fu extraurdmary occurrence is reported
fom a place catied Lough, in treland A
bog extetuang over a number of acres bog extenuing over a number of acres,
y.eang to the etfects of recent heavy ramb,
began to move toward an adjacent valley The semi-nuld mass gathered velocity as
1t moved along, spread over an mervenhing
low-lyng portion of hand, and completely low-lyng poriton of tand, and completely
overwheimed a dwelling house, killing two
women.
$=5=$


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caused, and the land over which the bog
materal passed whi, it is sad, be quite
useless for a considerable the. At present
a mass of hiquid mud 100 feet wide and tour
more than a mile.
A secoud movement of the bog mass has
since occurred, and the residents in the
since occurred, and the residents in tho
disirict tear that, should there toe a heavy
ratufall, the consequences will be tisastrous,
ralufal, the consequences will be dhastrous,
as five dwelling houses in the valley are
directly in the line of an enormous mass
E INTO THE SHIP.
loons until sufficient length is lauded
Connection having been made with the sig.
nal station on shore, the Burnside will set
nal station on shore, the Burnside win set
out for the shore, with which communita-
tion will be established, going at a rate of from four to eight knots an hour. I
must proceed cautiously, as the rate at must proceed cautiously, as the rate a
whith the cable is paid out depends on th which the cable is paid out depends on th
depth of the water. In 2,000 fathoms water, for instance, the length of cable
from the ship to the point of contact with from the ship to the point of contact with
the ocean bed is twenty miles. A sudden
shallow from very deep water, as in the shallow from very deep water, as in the
case of a submarine mountain, is likely to break the cable by too sharply shortening the slack. Then the tedious work of grap-
pling for the broken end must be underin charge, is an expert of long experience

## Matter of Diplomacy

$\qquad$ Dun't dare to come in. He would declare the ingagement of and he has a basebal
bat the corner of the dining room. Keep quiet till I get my hat and wrap."
"What's wrong?" he inquired

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walked away on tiptoe.
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"Goodness I I never saw papa so angry as suble, but soldiers, and to be spoken to
as troops can be trained in that in my life. What was that game of soli- fashion and the commander who does not taire you showed him the other night?"
"Chinese," laughed the careless youth. "Over there the proprietors of the gaming
establishmenta charge 10 cents to play the Over there the proprietors of the gaming yobscrvation and the men were as decor-
establishments charge 10 cents to play the ously elated as the yeomanry officer wa

## An Officer Rebuked

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$\qquad$

## the troopers did. They sat their horse wrong, they moved unlike machinery,

$$
\begin{aligned}
& \text { Willam } \\
& \text { of bog mud, which has been stopped by not respondent } \\
& \text { too stong banks on the uyper levels. } \\
& \text { At the inquest over the boties of the two known Fitz }
\end{aligned}
$$

## women the son of one of them testified that


ho saw the moving mass sweeping down on
the house, and had barcly the to escape

## A brother of the wher he was workng

$\qquad$
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$\qquad$
$\qquad$
where under all circumstances, has a ten
$\qquad$
$\qquad$
$\qquad$
. Leou Will 1
huge tanks made of copper were placed in of cable. These tanks are twenty-five feet an iron core in the center to keep the cabl
in position when being paid out from th

Speetal Cable Crew.
Captain Squires of the signal corps, as
charge of the cable laying, with a special cable crew of twenty men. A submarine cable is of two sizes, the core or deep sea portion, and the armor part or shore ends,
the latter belng several times larger tha the former to withstand successfully th war and tear of sea wash and tide,
hors and other shallow water injury. The core consists of seven fine copper
wires which carry the current covere with pure Para rubber, which is again sur wound around with cloth tape saturated five-eighths of an inch in thickness and welghing fifty tons to thirty-five milles of
able length. This is the diter The shore end cable is somewhat differwithy what is called a beading made of jute rmor of sixteen with tar. Then comes an outer of sixteen mild steel wires and an
outing of jute yarn saturated with tar and coated with lime, making the total hickness two and five-etghths inches.
Gutta-percha in the manufacture of cables has been displaced entirely by pure Para rubber, the latter having been found the
best to withstand the depredations of the ercha, finally reaching the copper wire and tous severing the telegraphic communteaThe Safety Insulator wire and Cable miles of the 625 mork manufactured 547 mines of the 625 miles of cable taken by
the Burnside. being the greatest length of ubmarine cable ever made in this country.
The cost was between $\$ 800$ and $\$ 1,000$ per

Dimenit and Deltente Job.
Laying the cable is going to be a difficult and delicate job. A crew of more than twenty men will have the handling of the
cable and their duty will be to see that it cable and their duty will be to see that it
is paid out properly and that it runs nd thence out ine the whe to the deck ocean bed were fairly level cable-laying
splicing the cable for the phili ppines cable has to he spliced at the end of every 250 miles of


LENGTH.
ored political life, having been elected to rare abtate, whech postlon he alited
Fitzhugh tee is a splendid type of the south, noted for its culture and its
chivairy, and his coming to Omata ought would show to this citizen-soldier the deep
appreciation the west freels with his detail
to the Hepariment of the wiseous Limitations Retroit
Roginald Kabbardy" he muttered.
sir Guy, understand, had been trans oot cass, for hita to aceustom hims it was to

What Result Would Be
the earnest clizen, "is a stricter coforee-
ment of the lunay lawk, Too many dan-
gerous cranks are allowed to run at large."
 presidental years if the lunacy laws were
really atrictly enforced?"

