

Mrs. W. H. Dewar, Fencer Who Won International Laurels


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FORCE OF THE SEA
Terrific Power Is Generated When a Cyclone Rages.

THEN THE WATERS RUN WILD
all Regularity of Wav
as the Sea Bursts its Bounds-Gearan-
ite Block Weighina Thoter ite Blocks Weighing a Thousand Tons
Tossed About Like Pebbles. Tossed About Like Pebbles;
A pond troubled by a pebble gives a
comprenensive e dea of the mechanism
of tre comprebensive didea of the mechanism
of the perpetual motion of the ocean.
now slow, regular and majestic, now slow, reguiar and majestic, run-
ning from horizon to torizon, now ning from borizon to borizon, now
rushing in ungovernable fury agalnst
the land. When a pebble falls in $n$ pond it produces a a fine cireular ilne,
which widens, muitiplying until stop. ped by its boundaries. Just so is pro-
duced the surging of the sea. duced the surging of the sea.
To judge from appearances, To judge from appearances, the
swells transport the water toward the
circumference of the pond circumference of the pond In point of
fact they do nothing of the kind as is fact they do nothlng of the kind, as is
easily proved by m mateh or splinter
of wood being cast upon the water. of wood being cast upon the water.
The runten is hardy ralsed or lowered
by the passage of the swell. The action by the passage of the swell. The action
In evidence is simply the transmission
of motion, not the transmission of matter.
The fine waves of the sea are gen-
erated by the wind as fine waves are generate by the wind when it ripples
a field of grain ready for the barest a field of grain ready for the hartert.
The waves that rua over the field of
grain are real waves, offen waves in grain are real waves, often waves in
ferce action. The spears of grain are
immorabiy fixed to the ground by thelr Immorably ixed to the ground by their
roots, but every bade transmits tis on-
enllatory morement to the ent btadd.
Just so liquid molecules are formed. CJintory movement to the next blado.
Just os Iqquid molecules are formed
In the middle of a vast ocean, such
as the equatorial Atlantic for as the equitorial Atlantic, for instance
great reguar unduations are seen mu
tiplying in parallels Ilke the furrow tiplying in paralleis like the furrows
in a vast plowed feld. On the broad
ocean the lliquid mounds of the sea rise
with every swing with more or less even reguln rity.
The mariners imagination her glven
the great waves of the bilgh sea the
 mountain hilgh and of waves 120 fee
in height. Exact measurement has giv.
en a closer estimate. The waves of the bigh sea, of the ma.
jor oceans attain the height of fifty
feet under the exceptlonal conditions of a tempest in the tionity of Cape
of and and the Cape of Good Hope.
Horn anges here estimated are those in

 The length of waves is between
twenty and thirty times their belght,
and the silopee of the seans hills sis very
gentle A wave sity feet hish is
somewhere between 1.000 and 1.200 omewhere between 1.000 and 1.200
feet long.
A the axis of the revolving tempest
called a cyclone there are many wave At the axis of the revolving tempest
called a cyclone there are many wave
systems. moving in ali directions,
meeting and combining. Wh. When the ey-
clone is in nction the sea is sald to clone is is action the sea is said to
"burst its bounds.".
At such a time all regularity of war succession censes, and the sea ruans
wild with force beyond human power
to estlmate. Blocks of granite weighWid, with force beyond human power
to estlmate. Blocks of grante welgh-
log from 1.000 to 1.200 tons are caught
by the sea and rolled like pebbles to by the sea and rolled like pebbles t
distances of 300 feet nan more and
sea walls are spilintered ns by hatch sea walls are splintered as by hatch-
ets. The "llve power" of a furious
sea is estimated by multiplying the sea is estimated by multiplying the
mass of the surge by the square of tis
speal When the surf, inpellet by the drive
if the brond sea, meets a solth obsta
le its prossure ts thity



 A Suggestive Song.
"Mlas Soulsty has not a particle of


PORTLAND CONSULAR AND
VIGE CONSULAR OFFICES. The following comprise the list
of consular and viee consular of-
ices represented in Portland: Ed Lewis, who rejoices under the misnomer of "orator" for the
W. W., with a voice like a foghorn, stood on the streets the other night and spewed forth anathemas against Portland clergymen, not one of whom has ever harmed, or attempted to. He heaped ridicule
upon the Christian religion. He even spoke of Christ as "the first their fingers, one at a time for each offense. Such a plan will never Consular Offices. Chile-A. R. Vejar. China-Moy Back Hin, 233 Sec ond street. Costa Riea-G.
Iarquam building. Germany-O. Lohan, 31 Hamil on building.
Great Britain-Ja
insworth building
Japan-M. Ida
Japan-
uilding.

## Mexico-

Mexico-F. A. Spener, 40 F
$\square$
Peru-Barret
H. Rasmussen.

## Switzerland-A. C. Bigge

 Vice Consuls.Belgium-C. Henri Labbe, Lab
Chile-John Reid, 514 Lumber
Great Britain-J. Ernest Lai
law, Ainsworth building
France-C. Henri Labbe, Lab
building (consular agent).
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