



NO. 1 SHAFT HOUSE AT SAW BILL.

THE WORLD MAN IN ALGOMA.

A Visit to the Hammond Reef,
Now Being Developed.

WORK BEING CARRIED ON.

A Property in Which Many Torontonians
Are Interested Shows Up Well.Their Unsettled Ore Test—No Costly
Shafting or Drilling Is Needed—Other
Valuable Deposits in the Same Locality.The Mine, Camp and Near—The Golden
Pillar Gold Mining Company.Port Arthur, June 21.—(Special.)—After
concluding my investigations on the Saw
Bill property, as recorded at the
last visit, I visited the two adjoining lots
to the southwest, known as mining loca-
tions 337 and 338, upon which the com-
pany of Hammond Reef, or reef, is being
developed by the Hammond Reef Gold Min-
ing Co.This deposit is believed to be quite unique
in the history of gold mining. In its natu-
ral state it is from surface indications simply
an immense mineralized ridge or hummock
of gold-bearing rock, from 100 to 500 feet
wide, from 50 to 150 feet in height, and
four and a half miles long, with a strike
towards the southern shore of Saw Bill
Lake. Wherever opened up along its length,
the huge mass seems to be highly mineral-
ized and, moreover, test pits sunk have
proved it to be enclosed between well-defined
walls. So far as investigated the body is
thus shown to be a monster vein of almost
perpendicular stratification, with a slight
easterly dip, and running north and south
by 25 degrees east. The smooth, clear-cut
walls are faced with a rusty-red material
of dioritic formation, commonly known as
gossan, while the dyke matter itself is of
quartz and chlorite, rather mixed, varying
widely in appearance in different parts and
being at places of a decided talco-talcous.
From locations 337 and 338 the dyke ex-
tends to the east right across the Saw Bill
and Golden Pileur properties, and to the
west for nearly 3½ miles. For the present,
however, development operations are con-
fined to these sections of the reef upon the
Hammond Reef Gold Mining, Golden Pileur
and Kaskabon Company's holdings.The Work Carried On.
The work carried on so far by the Ham-
mond Reef Gold Mining Company, of which
Mr. Richard Carter is president, in
which many Torontonians and other east-
erners are interested, and over which Mr.
James Hammond, the original owner of the
dyke, has supervision as manager, is now
beginning to show of the huge deposit, with
on 337 a cutting 150 feet long and
over 40 feet deep has been run right across
the reef. Out of this opening 2500 yards of
rock have been taken, and from its centre
quarrying is being done longwise on the
mineralized seam (it is here over 100 feet
wide), the ore taken out being conveyed to
the dump near the mill site, over a low
level tramway. For 30 feet or more down
from the surface the ore body has been
largely composed by oxidation and is a
large gang of men are employed in getting
out the vein matter with steam and hand
drills, pick and shovel, and loading it upon
a train of tram-cars, which is drawn by
horses to the stock pile. An idea of the
scale in which the gold-bearing rock is
found may be conveyed by the statement
that this tramway is built with material
which freely pays the cost of its con-
struction. In the quarry referred to
frequently appear, but the most of the
material is of a grey-brown schistose
formation, carrying side-veins of galena,
iron and copper. On the dump the stuff at
first glance looks like non-productive
quartz rock, but a closer scrutiny shows
the stuff to be really all highly mineralized
quartz, and from the least promising of it
Mr. Hammond planned for me a surprising
showing of colors.A Good Assay.
In this connection it may be said that it
was out of the ore was sent to Kingston,
where, under a mill-test, it ran 317 to the
ton. Of course it is not asserted by any
means that all of the huge deposit will go
at that high, but should its value average \$4
to right across the dyke (and there is little
doubt that there is), the proportion is a big
one, and, under skillful management, a sur-
prising dividend.

Several hundred yards to the west along

the dyke, and that much nearer the mill
the centre of the ore body. This sinking
which is operated with hand drills, is being
made at a point where the dyke, usually
mound-like in shape, runs nearly to the level
down as a sort of test pit, the location be-
ing to tunnel into the solid matter under
the decomposed super-structure of the dyke.
One side of the shaft, at the present depth
of 30 feet, is wholly in solid quartz, to say
nothing of the accompanying mineralized
schistose, and looks very promising. And
it, and you will be able to form an idea of
the extent and accessibility of the deposit.
One point to be remembered in this connec-
tion is the fact that the work of taking out
the ore will be remarkably inexpensive. No
costly shafting or drifting will be called for,
and it is estimated that 50 cents per ton is
an outside figure for the cost of mining.Resides the dyke the Hammond Reef Gold
Mining Company's property has other de-
posits, viz., an extension of the Saw Bill
dyke vein, and also a fine looking lead
known as vein "B." The latter runs from
a point where it intersects the reef at right
angles about 10 chains to location 2 R.M.,
wide on the surface, and the two last pits
down prove the ore to be very much re-
semble that from the Saw Bill vein. These
ore are not being developed, as the com-
pany is devoting all its attention to the
working of the dyke.Simultaneously with the development of
the property a ten stamp mill from the
works of the William Hamilton Co., Peter-
borough, Ont., is being erected. The
mine is already almost completed, and the
plant should be installed early in August.
Although the putting in of the 10-stamp
mill is intended to be merely preliminary to the
erection of a very large mill, it is asserted
that even with this small reducing capacity
the company will be able to pay dividends
shortly after the batteries begin to work.
One circumstance that will tend towards
cheap milling of the ore is the presence of
an abundant supply of running water on
the place, and a dam has been constructed
against the opening of the plant.The Mine Camp and Near.
The mine camp consists of a series of good
log buildings, including offices, sleeping
quarters and chlorite, rather mixed, varying
widely in appearance in different parts and
being at places of a decided talco-talcous.
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