

Great Orme Exploration Society



Mine Buildings & Adits

of the Great Orme

Some interesting slides for you to look at !





The pictures were mostly front cover
pictures from the GOES Journal.

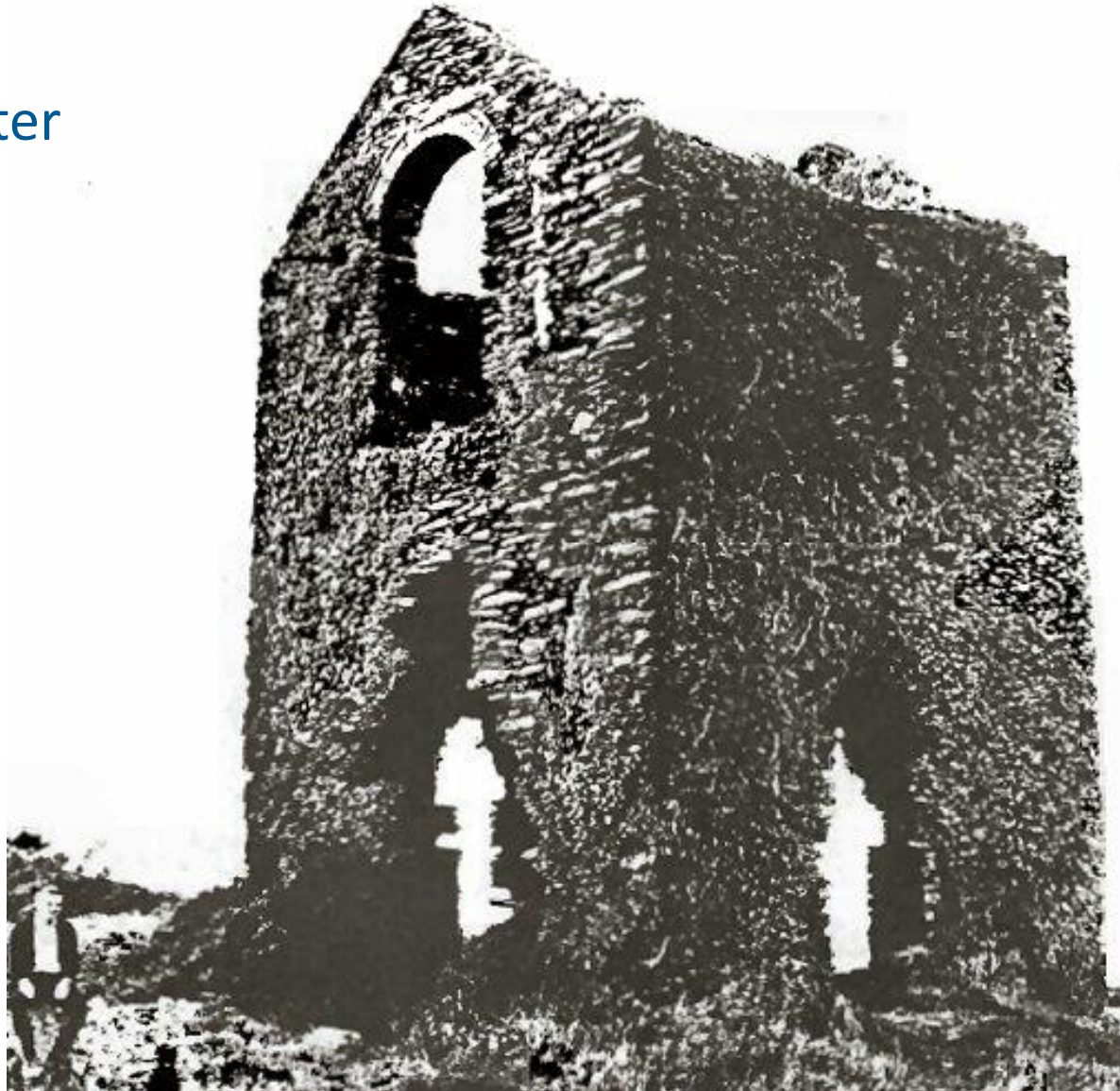
The earliest pictures did not have captions.
So difficult to identify some buildings.

- THESE SLIDES WERE EXTRACTED
 - from the Journals of the
 - Great Orme Exploration Society
- 

GOES Newsletter

1988 4

**Engine House,
circa 1857**



Any idea

where

this is ?

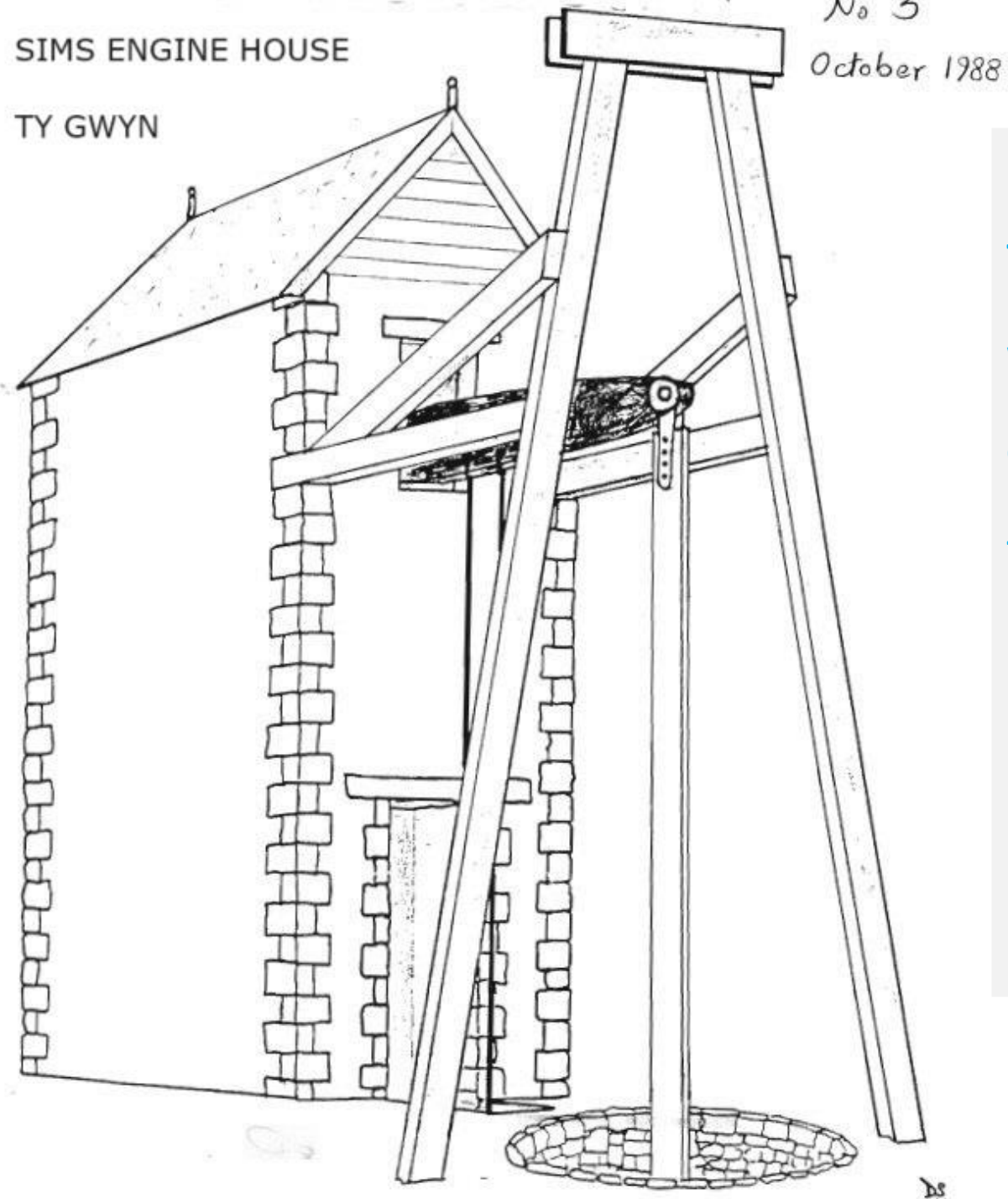
Wonder who this is?

Can you spot his
dog?

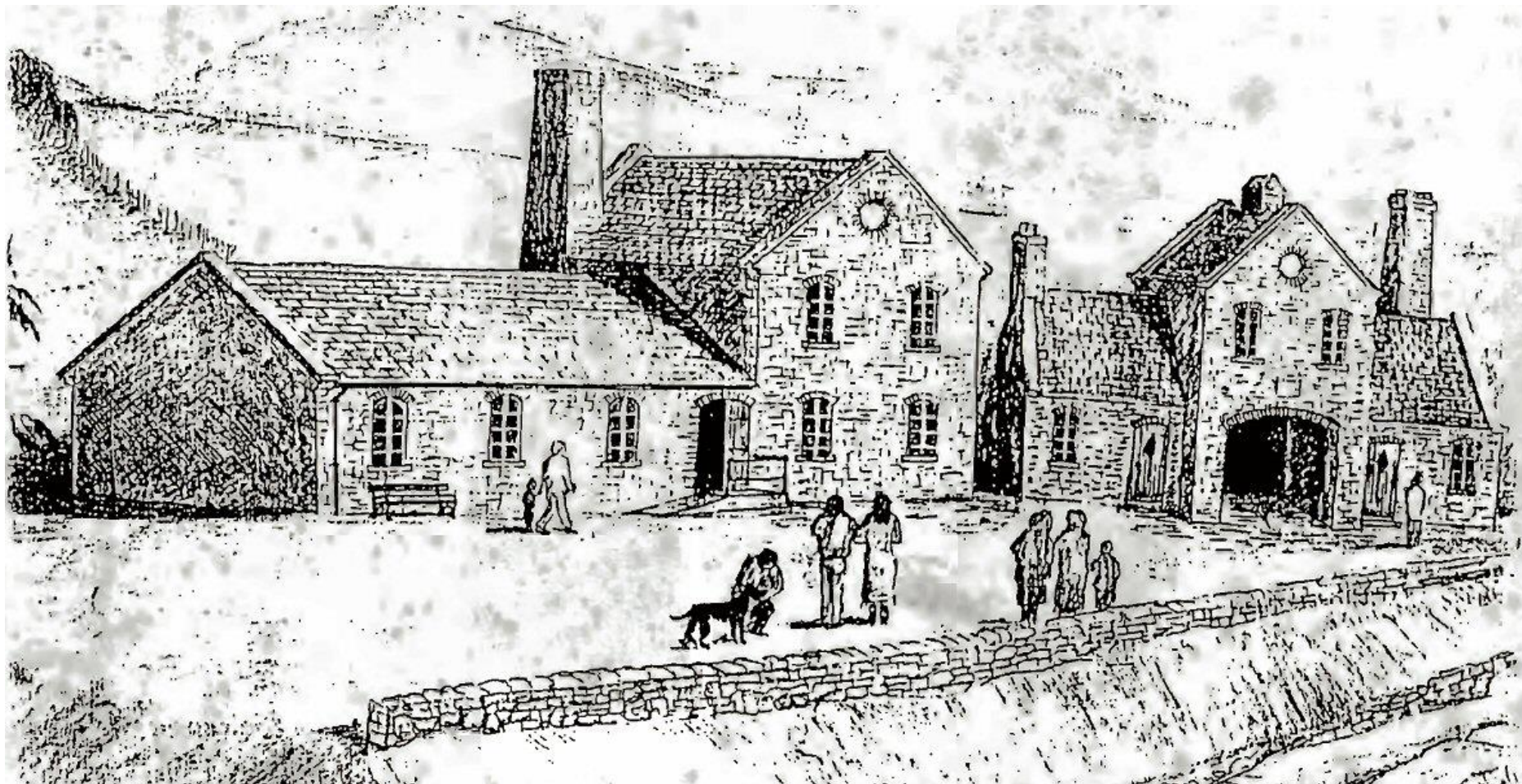


GOES NEWSLETTER
1988 3

Front cover drawing
by unnamed artist

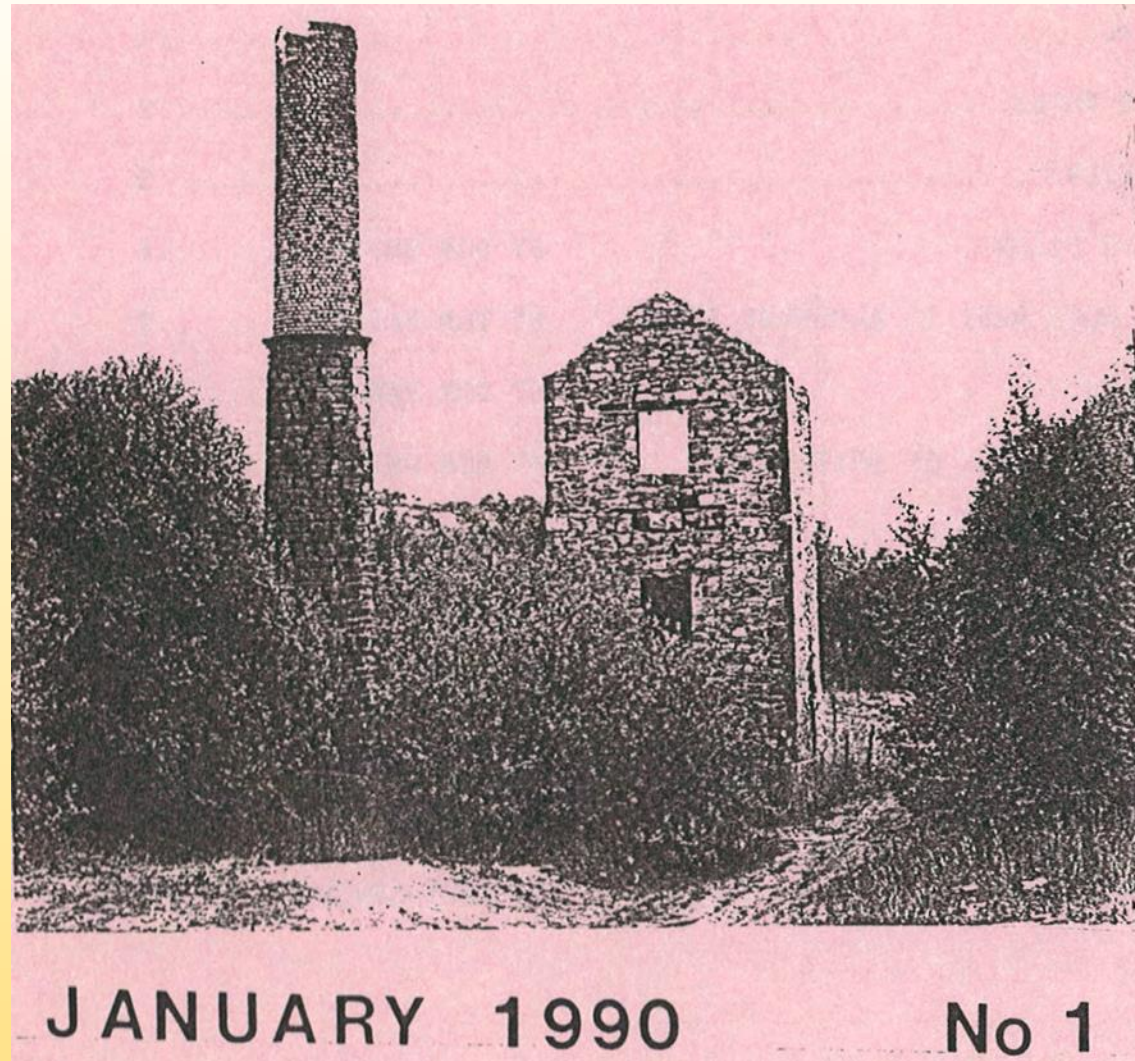


The Sims Engine House
was used to pump water
out of the Ty Gwyn Mine,
thus lowering the water
table and gaining access
to more copper deposits



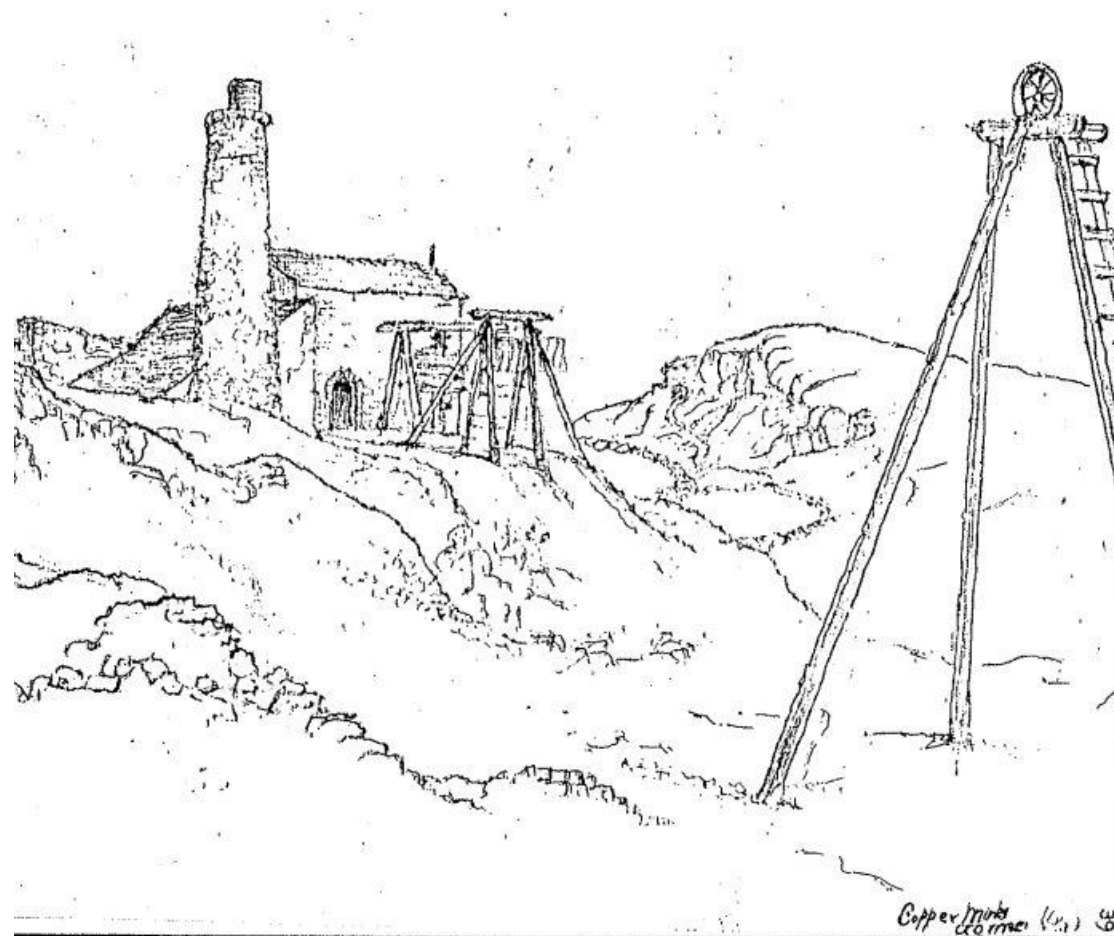
**GOES
NEWSLETTER
1989 1
Front cover**

No caption to describe these buildings. Presumably on the sea front?



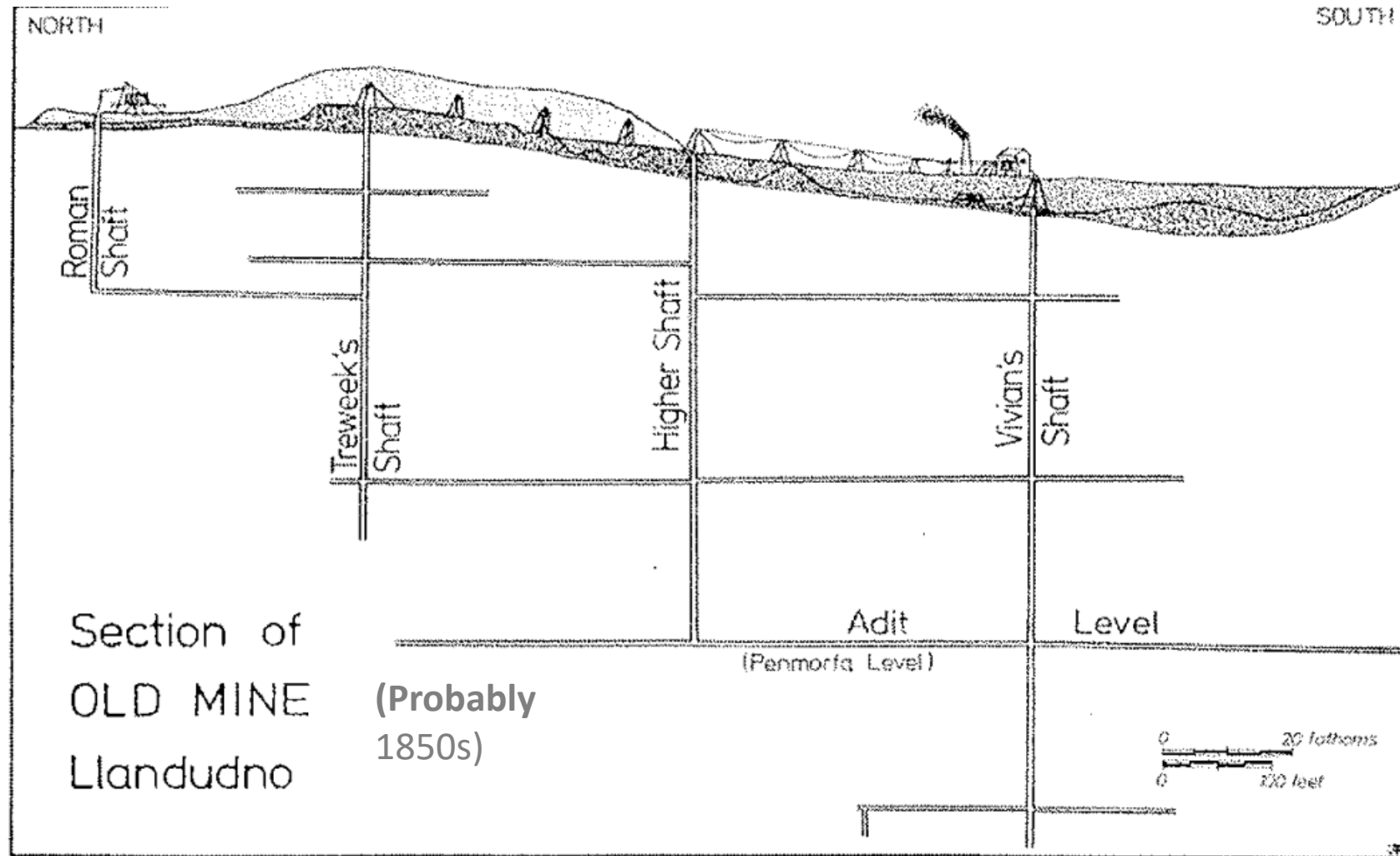
**Another front cover; from the GOES Journal 1990 issue 1.
Again, no caption to identify it.
Note the bushes.**

GOES Newsletter 1991
Front cover drawing
By unnamed artist



**APPEARS TO
BE THE
OLD MINE
ON THE ORME**

GOES Journal Spring/Summer 2005. Extracted from an article by Dave Wrennall



This is a very interesting old plan. Drawn by an unknown hand!

**Manhole access near
the Pier to the Ty Gwyn
Adit**

**Judith gets ready to
descend into the adit.**



TO CELEBRATE 25 YEARS OF GOES,
WHICH STRANGE TROGLODYTE
SPENT THE NIGHT IN TY GWYN?

CLUE — HIS INITIALS ARE D. W.

GOES JOURNAL 2010

25 Year Special Edition



The ginged walls of the main adit

Photo: Dave Flowers

TY GWYN ADIT
Extracted from
An article
By Dave Wrennall

A nice view of the
Ty Gwyn adit
(it's often very muddy though)

Photo from Goes Journal 2022



Ty Gwyn Adit. Photo: Dave Flowers

HAPPY VALLEY RESERVOIR

Goes Journal 2019

Happy Valley was once called
Y FACH

The reservoir is under the flat
expanse of grass by the
Camera obscura



An interesting view down the ladder. Photo by Christine Jones.



Another view of the brick arches and the way back up the ladder. Photo by Christine Jones.

The Penmorfa adit is in Abbey Place at the West Shore. It was constructed 1834-42 by 12 men working round the clock for 8 years. Their aim was to lower the water table to get at more copper



When the adit collapsed, part of it was replaced by a culvert. Access is through the gate. You lie on your back on a trolley and push yourself through.

Photo from an article by Philip Berrie. GOES Journal 2021

HERE'S ANOTHER VIEW
OF THE CULVERT –
PRETTY TIGHT SQUEEZE

* Rather you than me !

Picture shows someone on the trolley in
Penmorfa Adit





The adit is 664 metres long

PENMORFA ADIT

After going through the culvert, you need a canoe to sail along the adit. The culvert is 135m long.

The 3 ft deep water from the adit fills the paddling pool. So the adit still does its job after more than 180 years

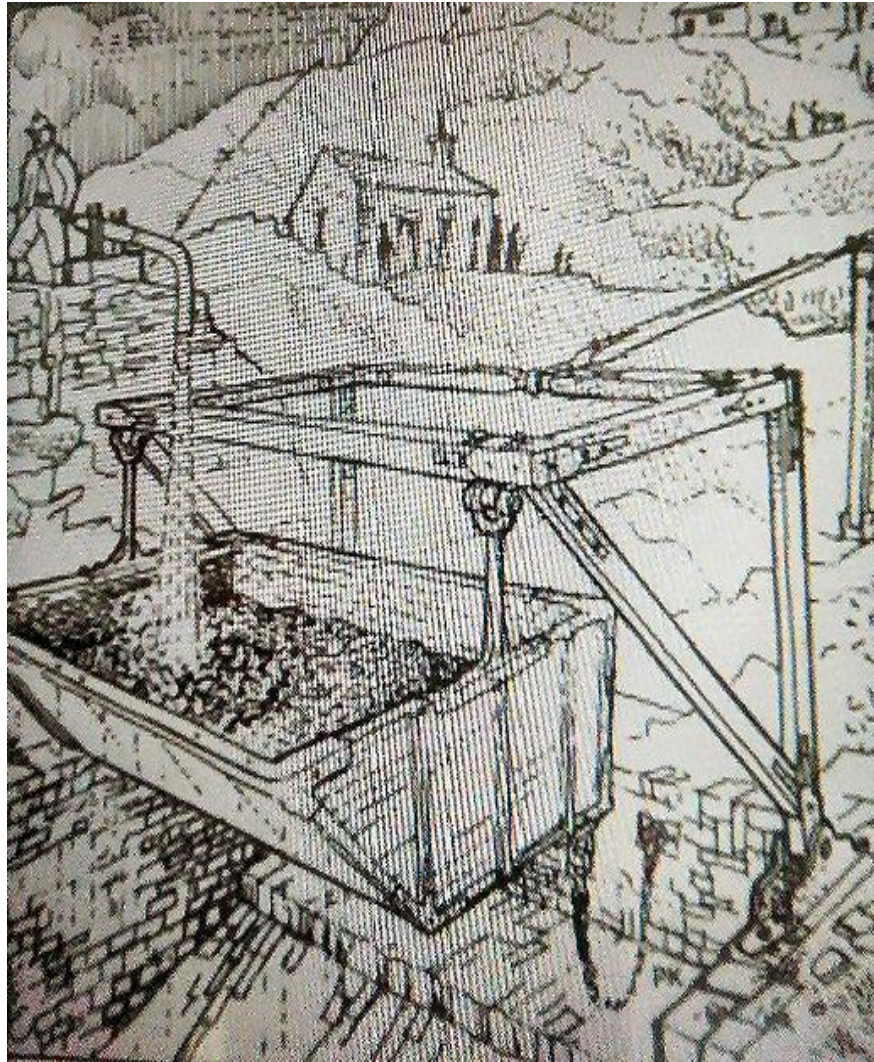
The photo is from the GOES website, a superb construction by Dani & Jason Potts

Water filled a hopper which sank down as it was filled. When full, the water was tipped out and the hopper sprang back.

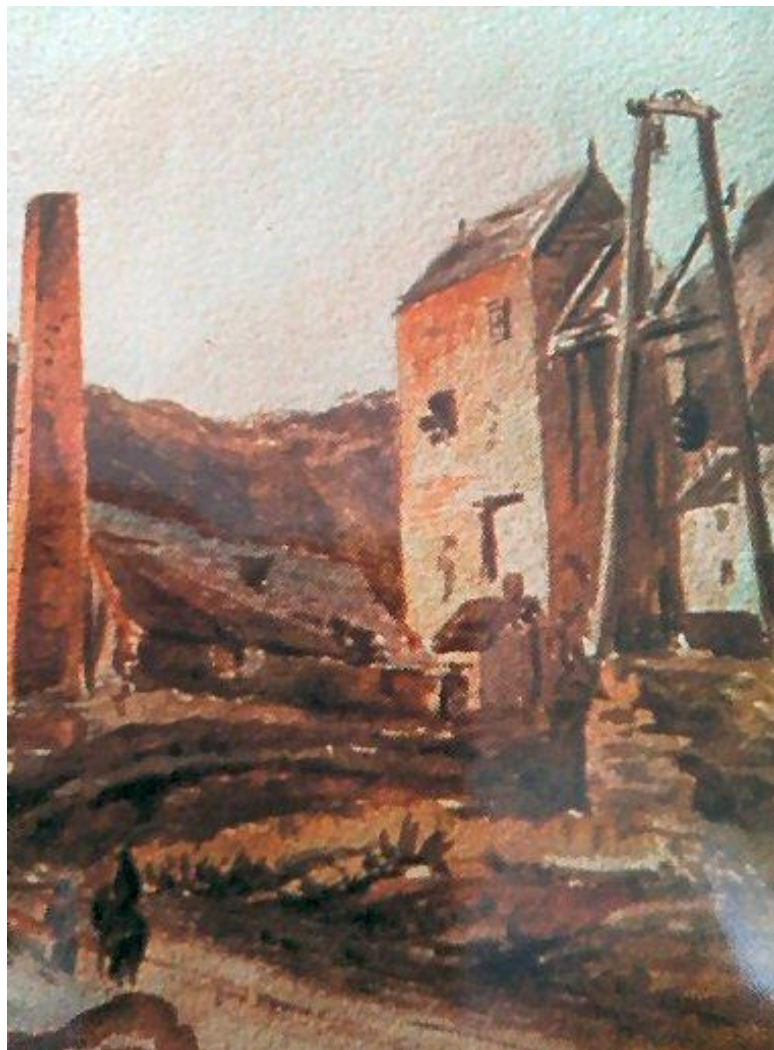
This up & down movement pulled a line of rods known as Brammock Rods which moved up and over the Orme and pumped water out of the Vivian shaft a quarter of a mile away

Artist's impression of the
Tom and Jerry water bucket
engine

This crude pumping mechanism was installed by Thomas Jones, mine agent, and was in use in the 1830s



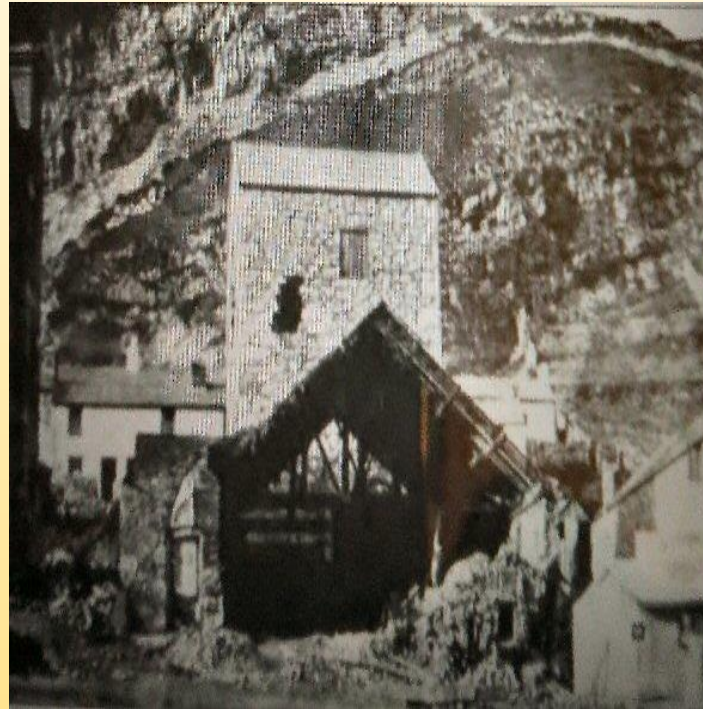
Detail from a
19th century
painting by
Felicia Simpson



TY GWYN MINE

Tyn Y Fron
Engine House
1853

Until 1846, this was
the Ty Gwyn Mine.
Then the name was changed



CAN'T RESIST SHOWING DAVE WRENNALL'S AMUSING CARTOON (GOES JOURNAL 2022)



It reflects the determination & courage, in an amusing way, of the diggers who have explored the underground workings of the Great Orme over the years.

Nice one, Dave !

THE END

SLIDESHOW
COMPILED
BY
KEITH
MORRIS



THE BEMUSED GOATS ARE
WATCHING A GROUP OF
CRAZY HIKERS ON A GOES
SUMMER MARCH

SORRY,
SUMMER WALK!

Don't forget to visit the
excellent GOES webpages
www.goes.org.uk

Piano played BADLY by above!

Photo: Nick Challinor