

SITE NO: 1

Plas-y-Dinas

GP related?: Yes

Function: House

Context: GP Dwelling

Danger bld?: No

Nat Grid: 290800 207945

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Sub remains

Use: Dwelling

Commentary: Plas-y-dinas is a substantial two-storey house erected by Curtis's & Harvey for their first manager, Mr Henry Elcock. It is captioned 'Plas-y-dinas' on the 1877 OS map and subsequent editions. The house is still occupied.

References: Johnson J.M. (1988).
OS maps.

Photo: 001_01

Originator: Jane M Johnson

Date: 1980s

Ref no: -

Caption: Plas y Dinas.



SITE NO: 2**Dinas Terrace**

GP related?: Yes

Function: House

Context: GP Dwelling

Danger bld?: No

Nat Grid: 290914 207988

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 405049

Coey survey?: -

Survival: Sub remains

Use: Dwelling

Commentary: Dinas Terrace comprises a row of two-bay/ two-storey houses built by Curtis's & Harvey for their key workers. The middle building (with gable façade) was originally a school. The block is shown on the 1877 OS map and captioned Dinas Terrace on subsequent maps. The school is now a house and the entire terrace is still occupied.

References: Johnson J.M. (1988).

OS maps.

RCAHMW NPRN: 405049

Photo: 002_01

Originator: Jane M Johnson

Date: 1980s

Ref no: -

Caption: Dinas Terrace.



Photo: 002_02

Originator: David J. Percival

Date: 18/10/2006

Ref no: RCAHMW NPRN: 443639

Caption: Dinas Terrace from SE.



SITE NO: 101.1

GP related?: Yes

Function: Gate lodge

Context: GP Dwelling

Danger bld?: No

Nat Grid: 291025 207967

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Lodge Gate House

CPAT HER: -

RCAHMW: 405057

Coey survey?: -

Survival: None

Use: None

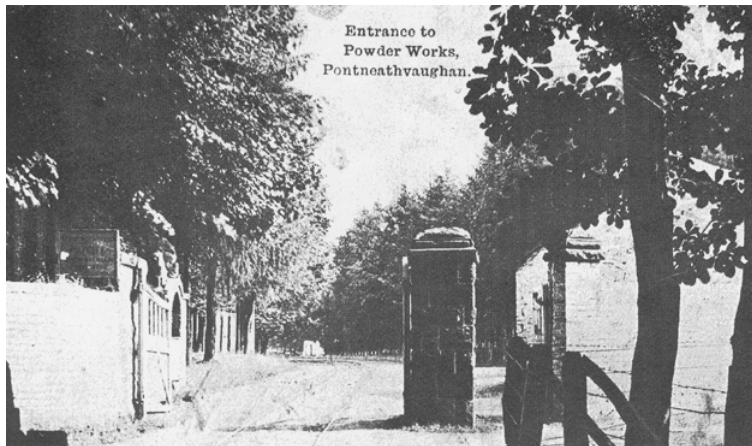
Commentary: Site of a single-storey gate lodge at the entrance to the Gunpowder Works. It is shown on the 1877 OS map and captioned as a lodge on the 1914 and subsequent maps. It is cited on the 1927 Nobel Plan as 'Lodge Gate House'. According to Smith, it was originally the offices of the Dinas Bridge Firebrick Works. The building had become derelict by the mid-1970s and was demolished c.1977 to make way for a new housing development.

References: Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405057
Smith R. (1981).
Stevens R. (1974).

Photo: 101.1_01 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Entrance lodge to right of entrance gates into Works.



SITE NO: 101.2

GP related?: Yes

Function: Entrance gates

Context: GP Other

Danger bld?: No

Nat Grid: 291011 207972

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 405057

Coey survey?: -

Survival: None

Use: None

Commentary: Site of entrance to the Gunpowder Works, immediately NW of the gate lodge [101.1]. The gateway was shared by the road and tramway and comprised a pair of timber gates hung from dressed stone pillars, with a narrower pedestrian timber gate at its south end.
The entrance was probably built for the Dinas Bridge Firebrick Works and then retained by Curtis's & Harvey when they took over. It was probably demolished c.1977 (at the same time as the gate lodge) to make way for a new housing development.

References: OS maps.

RCAHMW NPRN: 405057

Photo: 101.2_01 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Entrance to Works. Note lodge at right and tramline.

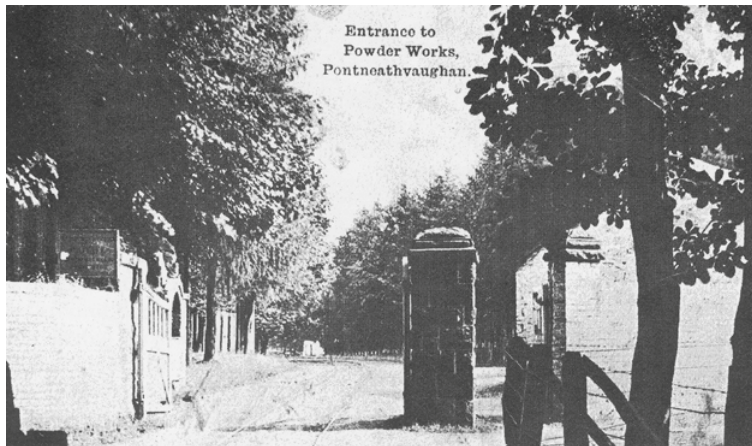


Photo: 101.2_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524300

Caption: View looking north-east along the entrance road, close to the site of the former entrance gates (NPRN:405057).



SITE NO: 101.3

GP related?: Yes

Function: Fountain

Context: GP Other

Danger bld?: No

Nat Grid: 291014 207976

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a water fountain just inside the entrance to the Gunpowder Works, on the north side of the road/tramway.
An old picture shows a two-centred opening to its façade (facing the road). This structure is depicted on the 1903 OS map and subsequent editions. It is captioned as 'Fountain' until 1964, when it becomes 'Fountain (Disused)'. It has since been demolished to make way for a housing development.

References: OS maps.

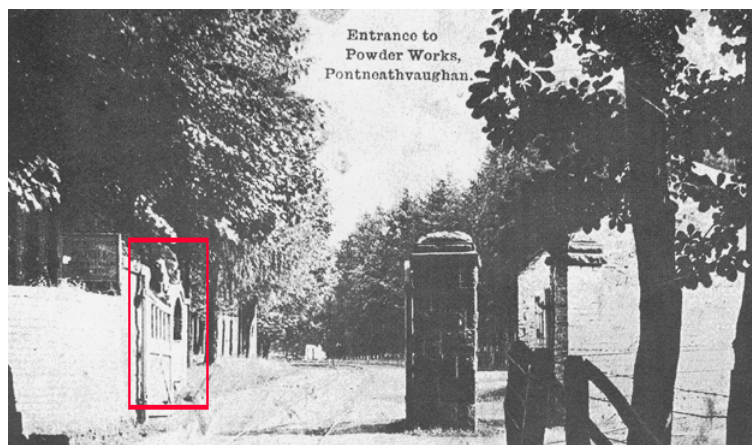
Photo: 101.3_01

Originator: Pritchard et al (1985), p.16

Date: -

Ref no: -

Caption: Fountain at entrance to Works (outlined in red).



SITE NO: 102

GP related?: Yes

Function: Saltpetre store

Context: GP Preparation

Danger bld?: No

Nat Grid: 291078 208012

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Saltpetre stores

CPAT HER: -

RCAHMW: 405058

Coey survey?: -

Survival: Sub remains

Use: Community hall

Commentary: A single-storey saltpetre store erected after 1877 and first shown on the 1903 OS map. It is cited as 'Saltpetre stores' on the 1927 Nobel Plan. This was the principal ingredient of gunpowder and was refined in a building 220m to its NE [112.1]. The store was served by a loop off the main tramway [601.2]. This loop ran longitudinally through the building and the openings are still evident on both gables. In the 1980s the building was refurbished as a community hall and now has a replacement slate roof (with skylights), rainwater goods and door/window frames. All the original masonry was retained, complete with cream-brick dressings to the quoins and openings.

References: Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405058
Tough E.M.B (1987a), pp 15-17.

Photo: 102_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524299

Caption: The former Saltpetre Store (NPRN:405058) viewed from the south-west.



Photo: 102_02

Originator: F.W. Hamond

Date: 29/10/2015

Ref no: P1030888

Caption: Former Saltpetre Store, now a community hall.



Photo: 102_03 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030915

Caption: Gable of community hall. Note arch head behind green sign (former entrance/exit for tramway).



SITE NO: 103

GP related?: Yes

Function: Search house

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291098 208028

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Search house

CPAT HER: -

RCAHMW: 405059

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a search house near the entrance to the Works where employees were searched for items which may have caused an explosion (e.g. matches). It is captioned as 'Office' on the 1877 OS map and depicted on subsequent editions. It is cited as 'Search house' on the 1927 Nobel Plan. The building may have been demolished in the 1930s or '40s as it is not shown on the 1948 or 1964 OS maps.

References: Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405059

SITE NO: 104**Hollybush Cottage**

GP related?: Yes

Function: Engineer's house

Context: GP Dwelling

Danger bld?: No

Nat Grid: 291206 208101

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405060

Coey survey?: -

Survival: Sub remains

Use: Dwelling

Commentary: Hollybush Cottage is a three-bay/ two-storey dwelling with a two-storey rear return. It was erected by Curtis's & Harvey for one of their key employees (Moses says for the Engineer). The building is shown on all OS maps from 1877 onwards but it is not until 1964 that it is cited as 'Hollybush'. It is still occupied and has been extensively refurbished with a tile roof, pebble-dashed walls and replacement window/ door frames.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405060

Photo: 104_01 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Hollybush Cottage (left - red X)

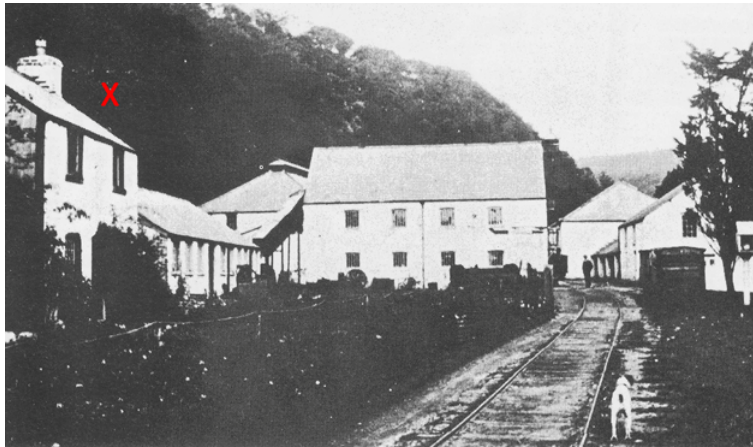


Photo: 104_02 Originator: Pritchard et al (1985), p.22

Date: - Ref no: -

Caption: Hollybush Cottage (top left - red X).



Photo: 104_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524301

Caption: Hollybush Cottage, formerly the Works Engineer's cottage (NPRN:405060), viewed from the south-east.



SITE NO: 105

GP related?: Yes

| | | | | | |
|-----------|-------------------------------------|----------|--------------|--------------|----|
| Function: | Coopers' and millwrights' workshops | Context: | GP Ancillary | Danger bld?: | No |
|-----------|-------------------------------------|----------|--------------|--------------|----|

| | | | | | |
|-------------|---------------|------------------|----------------|-------------|---|
| Nat Grid: | 291222 208110 | Community: | Ystradfellte | | |
| Admin Unit: | Powys | Historic County: | Brecknockshire | | |
| In BBNP?: | Yes | Owner: | No | Protection: | - |

| | | | | | |
|--------|-------------------------------------|-----------|---|---------|--------|
| Nobel: | Smithy; Coopers & Millwrights shops | CPAT HER: | - | RCAHMW: | 405061 |
|--------|-------------------------------------|-----------|---|---------|--------|

| | | | | | |
|---------------|---|-----------|------|------|------|
| Coey survey?: | - | Survival: | None | Use: | None |
|---------------|---|-----------|------|------|------|

Commentary: Site of workshops for coopers and millwrights. Shown, but not captioned, on all OS maps from 1877 onwards. Noted as 'Smithy, Coopers & Millwrights shops' on the 1927 Nobel Plan (the smithy probably refers to building 110). Annotated as 'Fitters, Coopers' by Moses. The building was served by a spur off the main tramway [601.2]. An old aerial photograph shows a single-storey building with ten openings (eight windows and two doorways) on its south elevation. The workshops have been demolished.

The fitters would have been responsible for the plant and machinery, and the coopers for the barrels in which the gunpowder was moved around the works and packed for dispatch. According to Pritchard et al, their equipment was driven by a wire rope off the turbine [129] behind mills 1-8 (230m to the east).

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.40.
RCAHMW NPRN: 405061

Photo: 105_01 Originator: Pritchard et al (1985), p.22

Date: - Ref no: -

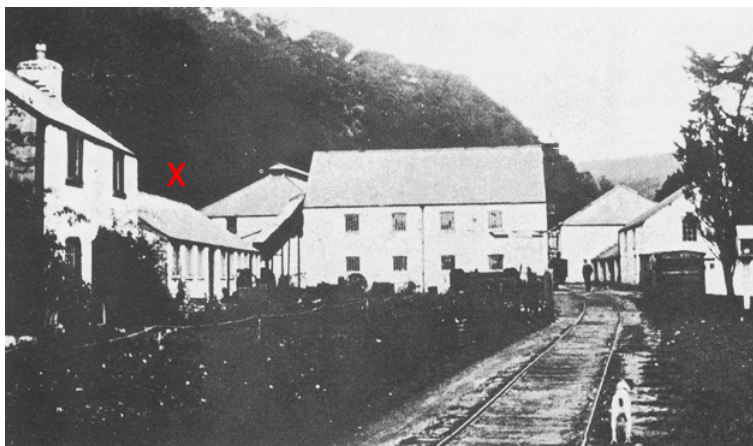
Caption: Coopers' and Mechanics' workshops (top left - red X).



Photo: 105_02 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Coopers' and Mechanics' shops workshops (red X)



SITE NO: 106

GP related?: Yes

Function: Gunpowder testing range

Context: GP Processing

Danger bld?: No

Nat Grid: 291221 208078

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Gun range & Cannon

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: None

Use: None

Commentary: Area where gunpowder was tested by means of a metal ball fired from a cannon. Cited on 1927 Nobel Plan as 'Gun range & Cannon'. The Plan also notes that the cannon was now in Brecon Museum. There was another testing range on the east bank [302].

References: Nobel Industries plan (1927).
Thomas D. (1997): PRN 2604

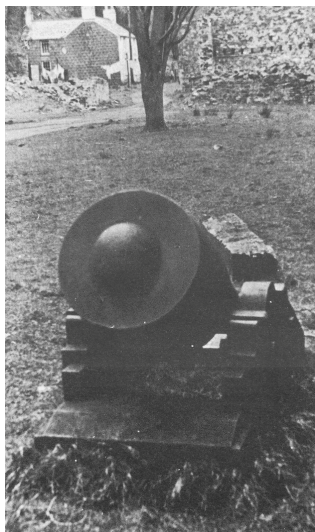
Photo: 106_01

Originator: Pritchard et al (1985), p.26

Date: 1980s

Ref no: -

Caption: Powder testing cannon (Rose Cottage in background).



SITE NO: 107

GP related?: Yes

Function: General office;
Stableman's houseContext: GP Ancillary; GP
Dwelling

Danger bld?: No

Nat Grid: 291248 208078

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: General office & House

CPAT HER: -

RCAHMW: 405065

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a two-storey building which incorporated a general office and stableman's dwelling. Situated between the tramway and river, it is depicted on all OS maps from 1877 onwards. Noted as 'General office & house' on the 1927 Nobel Plan. Given the works' reliance on the horse-drawn tramway to move materials, the stableman would have been a key worker, responsible for the well-being of the horses.

References: Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405065

Photo: 107_01

Originator: Pritchard et al (1985), p.22

Date: -

Ref no: -

Caption: Offices and Stableman's house (left - red X).



SITE NO: 108.1

GP related?: Yes

Function: Cart shed

Context: GP Transport

Danger bld?: No

Nat Grid: 291251 208098

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Garage

CPAT HER: -

RCAHMW: 405066

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a cart shed shown on all OS maps from 1877 onwards. Cited as 'garage' on 1927 Nobel Plan and as 'cart shed' by Moses. An old photograph shows a two-storey building with two openings on its north elevation.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405066

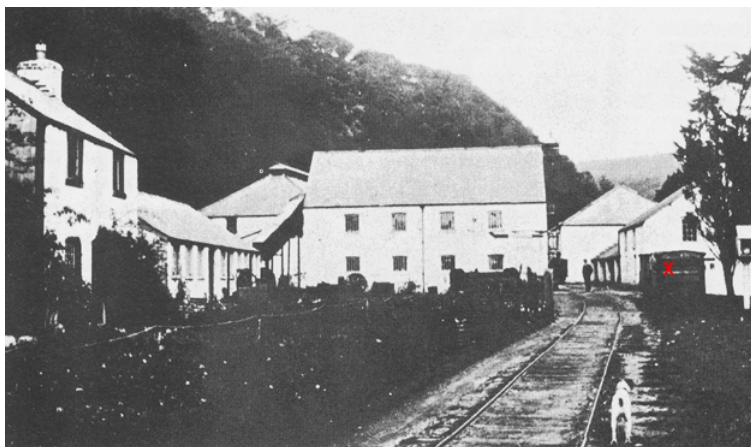
Photo: 108.1_01

Originator: Pritchard et al (1985), p.16

Date: -

Ref no: -

Caption: Two-storey cart house (right - red X)



SITE NO: 108.2

GP related?: Yes

Function: Shed

Context: GP Transport

Danger bld?: No

Nat Grid: 291262 208105

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Stables & Cart Sheds

CPAT HER: -

RCAHMW: 405066

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a shed shown on all OS maps from 1877 onwards. Cited as 'stables & cart shed' on 1927 Nobel Plan. An old photograph shows a single-storey building, open to its north elevation.

References: Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405066

Photo: 108.2_01

Originator: Pritchard et al (1985), p.16

Date: -

Ref no: -

Caption: Open-sided stables (right - red X)



SITE NO: 108.3

GP related?: Yes

Function: Stables

Context: GP Transport

Danger bld?: No

Nat Grid: 291274 208115

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Stables & Cart Sheds

CPAT HER: -

RCAHMW: 405066

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a stables shown on all OS maps from 1877 onwards. Cited as 'stables & cart shed' on 1927 Nobel Plan and as 'stable' by Moses. An old photograph shows a substantial two-storey building with hipped roof. Pritchard et al note that it could house c.10 horses.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.44.
RCAHMW NPRN: 405066

Photo: 108.3_01 Originator: Pritchard et al (1985), p.22

Date: - Ref no: -

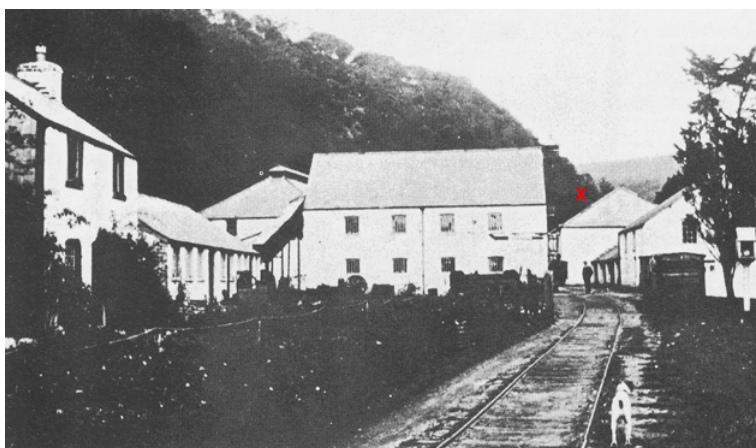
Caption: Stables and Cart shed (centre right - red X).



Photo: 108.3_02 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Two-storey hipped room building (centre right - red X)



SITE NO: 109

GP related?: Yes

Function: Carpenter's shop;
Saltpetre store

Context: GP Preparation; GP
Ancillary

Danger bld?: No

Nat Grid: 291248 208116

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405063

Coey survey?: -

Survival: None

Use: None

Commentary: Shown on all OS map editions from 1877 onwards. Not captioned on 1927 Nobel Plan. Moses annotates it as 'barrels' at west end and 'joiners' at east end. Described by Pritchard et al as saltpetre stores and carpenter's shop.
Old photographs show a two-storey building with four openings along its west elevation, pitched roof aligned N-S and bell on the apex of its south gable; also a single-storey lean-to along its east side. The two-storey section may have been for storing refined saltpetre and the lean-to used as a joinery shop.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.16.
RCAHMW NPRN: 405063

Photo: 109_01 Originator: Pritchard et al (1985), p.22

Date: - Ref no: -

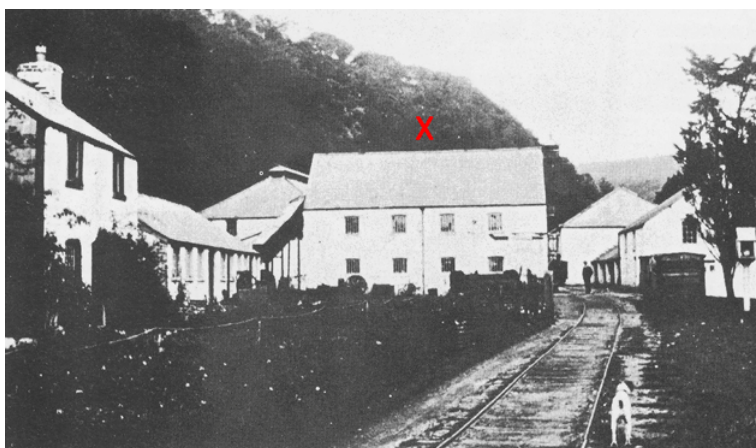
Caption: Saltpetre stores and Carpenters' shop (centre left - red X).



Photo: 109_02 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Saltpetre store (centre - red X)



SITE NO: 110

GP related?: Yes

Function: Blacksmith's workshop

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291224 208128

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405062

Coey survey?: -

Survival: None

Use: None

Commentary: Site of smithy explicitly captioned on 1877 OS map and shown on all subsequent editions. An old aerial photograph shows a single-storey building with pitched gable roof aligned N-S.

References: Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405062

Photo: 110_01

Originator: Pritchard et al (1985), p.22

Date: -

Ref no: -

Caption: Smithy (top centre - red X).



SITE NO: 111

GP related?: Yes

Function: Wheelwright's
workshop

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291236 208135

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405062

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a wheelwright's shop first shown in the 1903 OS map. Annotated by Moses as 'wheelwright' at west end and 'oil store' at east. Pritchard et al also note stables at east end (though this may be a mistake) and that driven by a wire rope off a turbine [129] behind mills 1-8, 205m to its east.
An old photograph shows a long single-storey building with several doorways and multiple windows along its south elevation.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), pp 22 and 40.
RCAHMW NPRN: 405062

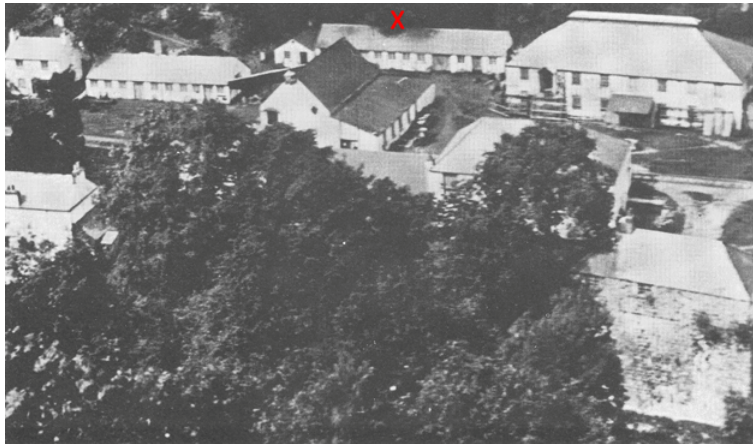
Photo: 111_01

Originator: Pritchard et al (1985), p.22

Date: -

Ref no: -

Caption: Wheelwrights' shop and Stables (top centre - red X).



SITE NO: 112.1

GP related?: Yes

Function: Saltpetre refinery

Context: GP Preparation

Danger bld?: No

Nat Grid: 291263 208142

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: 52 Saltpetre grinding and sieving stores

CPAT HER: -

RCAHMW: 405064

Coey survey?: -

Survival: None

Use: None

Commentary: Site of saltpetre refinery. Shown on all OS maps from 1877 onwards. Cited in 1927 Nobel Plan as '52 - Saltpetre grinding and sieving stores' and annotated by Moses as 'KNO₃ refining'. Served by spur off main tramway [601.2]. Possibly driven by a wire rope off the turbine [129] behind mills 1-8, 185m to east.

An old photograph shows a substantial two-storey building with hipped roof aligned east-west. The roof has a raised ventilator along its length. A loading canopy projected from the middle of its south elevation.

Here the imported saltpetre was refined to remove any impurities and then ground and sieved preparatory to mixing with charcoal and sulphur. The exhaust from the furnace heating the pans of dissolved saltpetre was ducted up a flue [112.2] to a chimney c.80m NW.

References: Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.40.

RCAHMW NPRN: 405064

Photo: 112.1_01 Originator: Pritchard et al (1985), p.22

Date: - Ref no: -

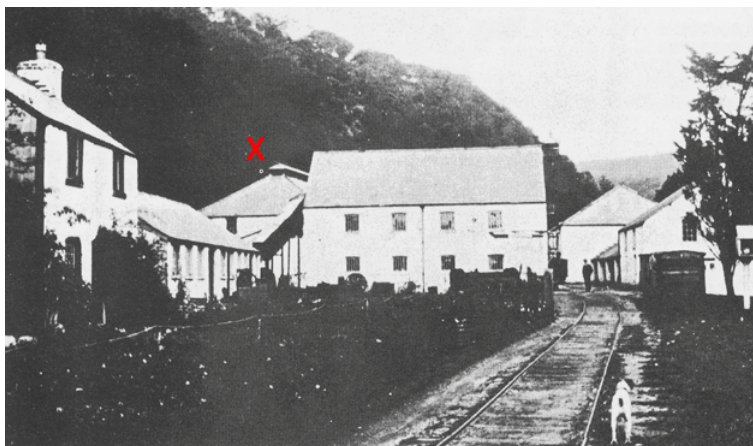
Caption: Saltpetre refinery (top right - red X).



Photo: 112.1_02 Originator: Pritchard et al (1985), p.16

Date: - Ref no: -

Caption: Saltpetre refinery (red X)



SITE NO: 112.2

GP related?: Yes

Function: Chimney flue

Context: GP Preparation

Danger bld?: No

Nat Grid: 291238 208179 (C)

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 405064

Coey survey?: -

Survival: None

Use: None

Commentary: Underground flue which ducted the exhaust from the furnace heating the saltpetre the evaporation pans [112.1] to a chimney [112.3].

References: OS maps.

RCAHMW NPRN: 405064

SITE NO: 112.3

GP related?: Yes

Function: Chimney

Context: GP Preparation

Danger bld?: No

Nat Grid: 291218 208211

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Chimney

CPAT HER: -

RCAHMW: 405064

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A chimney associated with the evaporation pans in the saltpetre refinery [112.1].
Explicitly captioned on all OS maps from 1877 onwards.

References: Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405064

SITE NO: 113

GP related?: Yes

Function: Harness room

Context: GP Transport

Danger bld?: No

Nat Grid: 291292 208110

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Not shown

CPAT HER: -

RCAHMW: 405067

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building first depicted on the 1903 OS map and subsequent editions. Noted by Moses as 'harness room'. An old photograph shows a pitched roof building on the edge of the river.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405067

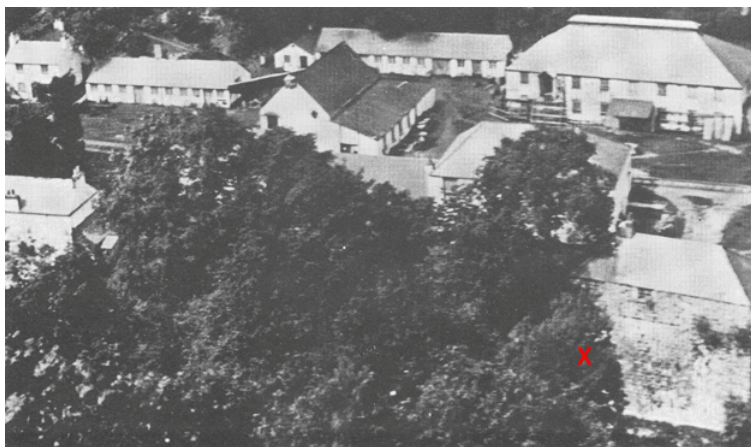
Photo: 113_01

Originator: Pritchard et al (1985), p.22

Date: -

Ref no: -

Caption: Harness room (bottom right - red X).



SITE NO: 114

GP related?: Yes

Function: Hay shed

Context: GP Transport

Danger bld?: No

Nat Grid: 291315 208123

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Not shown

CPAT HER: -

RCAHMW: 405068

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building first depicted on the 1903 OS map and subsequent editions. Noted by Moses as 'hay shed'.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405068

SITE NO: 115.1**Rose Cottage**

GP related?: Yes

Function: Foreman's house

Context: GP Dwelling

Danger bld?: No

Nat Grid: 291300 208152

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: 54 Foreman's house

CPAT HER: -

RCAHMW: 405069

Coey survey?: -

Survival: Sub remains

Use: Dwelling

Commentary: Rose Cottage is a three-bay/ two-storey dwelling with a two-storey rear return. It was erected by Curtis's & Harvey for the Works Foreman. The building is shown on all OS maps from 1877 onwards. Noted in 1927 Nobel Plan as '54 - Foreman's house' and also annotated by Moses as 'Foreman's house'. Cited as 'Rose Cottage' on 1964 OS map. Old photographs show its west elevation to have been hung with slates. The house is still occupied and has been extensively refurbished with a replacement slate roof, plastic rainwater goods, painted and rendered walls, and replacement window/ door frames. A large single-storey with two doorways has been added to its east gable.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405069
Tough E.M.B (1987b), p.4.

Photo: 115.1_01 Originator: Pritchard et al (1985), p.34

Date: 1980s Ref no: -

Caption: Members of Merthyr Tydfil & District Naturalists' Society outside Rose Cottage.



Photo: 115.1_02 Originator: Pritchard et al (1985), p.45

Date: c.1880 Ref no: -

Caption: Moses family outside Rose Cottage.



Photo: 115.1_03 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524302

Caption: Rose Cottage, formerly the Works Foreman's cottage (NPRN:405069), viewed from the south-east.



Photo: 115.1_04 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030913

Caption: Rose Cottage.



SITE NO: 115.2

GP related?: Yes

Function: Plaque

Context: GP Other

Danger bld?: No

Nat Grid: 291325 208148

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 41103

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: A dressed stone plaque reading 'C & H/ 1863'. Rescued by Tom Pritchard from mills 1-8 [128] and built into garden wall at side of Rose Cottage. This is the earliest attested date from Curtis's & Harvey's presence at Glyn Neath.

References: Johnson S. (1996).

RCAHMW NPRN: 405069

RCAHMW NPRN: 41103

Photo: 115.2_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524303

Caption: C&H Plaque in the wall of Rose Cottage (NPRN:405069).



Photo: 115.2_02 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030889

Caption: C&H plaque in the garden wall of Rose Cottage.



SITE NO: 116

GP related?: Yes

Function: Saw pit

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291339 208128

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a saw pit first shown on the 1903 map and is explicitly captioned on both it and the 1914 edition. Probably used to cut timbers for barrel making and/or general joinery work.

References: OS maps.

SITE NO: 117

GP related?: Yes

Function: Sulphur store

Context: GP Preparation

Danger bld?: No

Nat Grid: 291354 208167

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: 56 Sulphur store

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building shown on the 1877 OS map and subsequent editions. Cited as '56 - Sulphur store' on the 1927 Nobel Plan. The imported sulphur would have been stored here prior to mixing with saltpetre and charcoal.

References: Nobel Industries plan (1927).
OS maps.

SITE NO: 118

GP related?: Yes

Function: Ground charcoal store

Context: GP Preparation

Danger bld?: No

Nat Grid: 291377 208160

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 15 Ground charcoal store

CPAT HER: -

RCAHMW: 405073

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building shown on the 1877 OS map and subsequent editions. Cited as '15 - Ground charcoal store' on the 1927 Nobel Plan. The charcoal would have been stored here prior to mixing with saltpetre and sulphur. Served by a spur off the main tramway [601.2]. Building 119 may also have been a charcoal store.

References: Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405073

SITE NO: 119

GP related?: Yes

Function: Charcoal store;
Charge barrel store?

Context: GP Preparation

Danger bld?: No

Nat Grid: 291377 208178

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 19 Charge barrel house ?

CPAT HER: -

RCAHMW: 405071

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building shown on the 1877 OS map and subsequent editions. Its precise function is uncertain. It is possibly '19 - Charge barrel house' on the 1927 Nobel Plan, although this caption could refer to an adjacent building [120]. It is also annotated by Moses as a 'Charcoal store' (Building 118 was also a charcoal store).

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405071

SITE NO: 120

GP related?: Yes

Function: Charge barrel store?;
Sulphur store

Context: GP Preparation

Danger bld?: No

Nat Grid: 291390 208188

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 19 Charge barrel house ?

CPAT HER: -

RCAHMW: 405072

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building shown on the 1877 OS map and subsequent editions. Its precise function is uncertain. It is possibly '19 - Charge barrel house' on the 1927 Nobel Plan, although this caption could refer to an adjacent building [119]. It is also annotated by Moses as a 'Sulphur store' (Building 117 was also a sulphur store).

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405072

SITE NO: 121

GP related?: Yes

| | | | | | |
|-----------|---|----------|----------------------------------|--------------|-----|
| Function: | Charcoal grinding house; Mixing house; Sulphur grinding house | Context: | GP Incorporation; GP Preparation | Danger bld?: | Yes |
|-----------|---|----------|----------------------------------|--------------|-----|

Nat Grid: 291405 208174

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

| | | | | | |
|--------|--|-----------|-------|---------|--------|
| Nobel: | 17 Machinery store; 20 Mixing house; 21 Charcoal grinding; 22 Sulphur grinding | CPAT HER: | 59547 | RCAHMW: | 405074 |
|--------|--|-----------|-------|---------|--------|

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a block of buildings shown on the 1877 OS map and subsequent editions. Captioned on the 1927 Nobel Plan from west to east as '17 Machinery store; 20 Mixing house; 21 Charcoal grinding; 22 Sulphur grinding' and annotated by Moses as 'Green charge mixing'. According to Moses, there was a shaft from a nearby steam engine [125.1], but whether it was also water powered is uncertain. An old photograph shows a two-storey building with an open lean-to porch along its north elevation. Served by a loop off the main tramway [601.2]. Here the charcoal and sulphur were prepared and then mixed with the refined saltpetre to form the 'green charge'.

References:

- CPAT HER: 37083
- CPAT HER: 59545
- Moses T.L. (1979a).
- Nobel Industries plan (1927).
- OS maps.
- RCAHMW NPRN: 405074

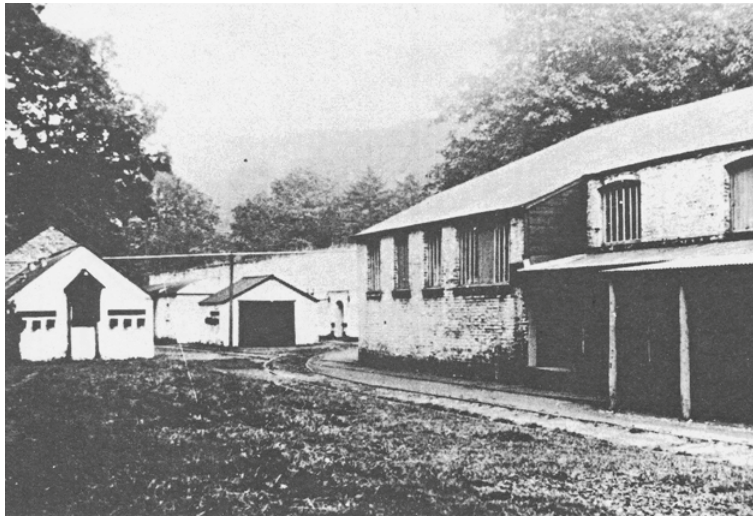
Photo: 121_01

Originator: Pritchard et al (1985), p.23

Date: -

Ref no: -

Caption: Mixing house (at right).



SITE NO: 122**Mills 9-11; Sudan Mills**

GP related?: Yes

Function: Incorporating mills 9-11; Waterwheel pit

Context: GP Incorporation; GP Power

Danger bld?: Yes

Nat Grid: 291404 208153

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 27B 3 mills

CPAT HER: -

RCAHMW: 405075

Coey survey?: -

Survival: Traces

Use: None

Commentary: A block of three incorporating mills shown on the 1903 OS map and later additions. Simply noted as '27B - 3 mills' on the 1927 Nobel Plan. Known as the 'Sudan Mills', RCAHMW states that they were erected in 1898. In that year, British General Sir Herbert Kitchener defeated the army of Abdullah al-Taashi, thus paving the way for the British occupation of Sudan in 1899. Foundation traces may still survive in the undergrowth. Served by a spur off the main tramway [601.2]. Here the green charge was incorporated into gunpowder using pairs of overdriven edge runner stones. The mills were apparently initially driven by a waterwheel on the east gable of the block, and then by a turbine [123]. The water was supplied along an extension of the Lower Leat [512.2]. According to Tough, the stone-lined waterwheel pit survives.

References: Moses T.L. (1979a).
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.40.
Pritchard T, Evans J, & Johnson, S. (1985), pp 14 and 40.
Pritchard T. (1985).
RCAHMW NPRN: 405075
Tough E.M.B (1987a).
Tough E.M.B (1987b), p.12.
Tough E.M.B (1987b), Plate 3.

Photo: 122_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524304

Caption: The Sudan Incorporating Mills (NPRN:405075) viewed from the east.



Photo: 122_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524307

Caption: The Incorporating Mills from the south-east.



SITE NO: 123

GP related?: Yes

Function: 25hp turbine house

Context: GP Power

Danger bld?: No

Nat Grid: 291414 208152

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Turbine house

CPAT HER: -

RCAHMW: 405075

Coey survey?: -

Survival: Some remains

Use: None

Commentary: This feature is shown on the 1903 OS map and subsequent editions. Cited as 'Turbine house' on the 1927 Nobel Plan. Powered incorporating mills 9-11 [122]. According to Pritchard, the building housed a Pelton wheel, from which there was a pulley belt take-off to the machinery in the nearby mill block. Remains of the house and tailrace survive.

References: CPAT HER: 59547
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405075
Tough E.M.B (1987a).
Tough E.M.B (1987b), Plate 4.

Photo: 123_01 Originator: Pritchard et al (1985), p.10

Date: - Ref no: -

Caption: Pelton wheel house (background) and tailrace (foreground)



Photo: 123_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524305

Caption: The turbine house for the Sudan Incorporating Mills (NPRN:405075) viewed from the north-east.



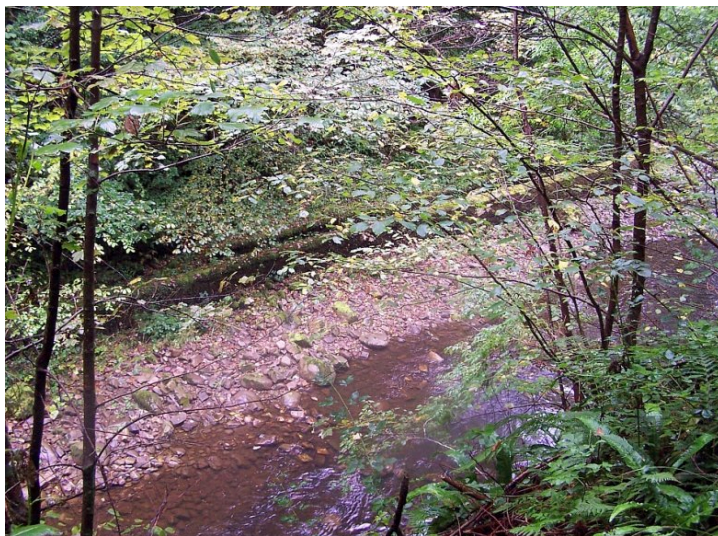
Photo: 123_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524306

Caption: The tailrace of the Sudan Mills turbine (NPRN:405075) viewed from the south.



SITE NO: 124

GP related?: Yes

Function: Changing rooms;
Watch house

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291421 208199

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 23 Watch house; 24 Wash
house

CPAT HER: -

RCAHMW: 405077

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a watch house shown in the 1877 OS map and subsequent editions. Noted on 1927 Nobel Plan as '23 - Watch house; 24 - Wash house'. Moses annotates it as 'Mess room'. An old photograph shows a long single-storey building. Here those working in the nearby danger buildings would have changed into their work clothes. They may also have retired here whilst the gunpowder was being incorporated in nearby mills 122 and 128.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.14.
Pritchard T. (1985).
RCAHMW NPRN: 405077

Photo: 124_01 Originator: Pritchard et al (1985), p.23

Date: - Ref no: -

Caption: Watch house (at left).

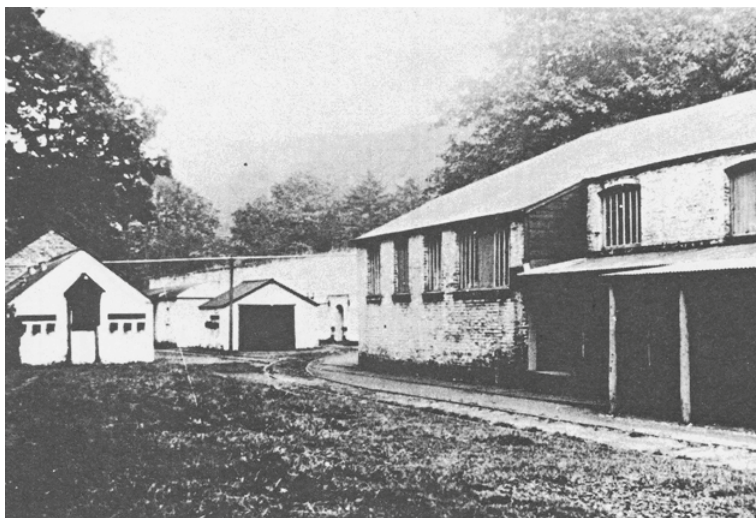
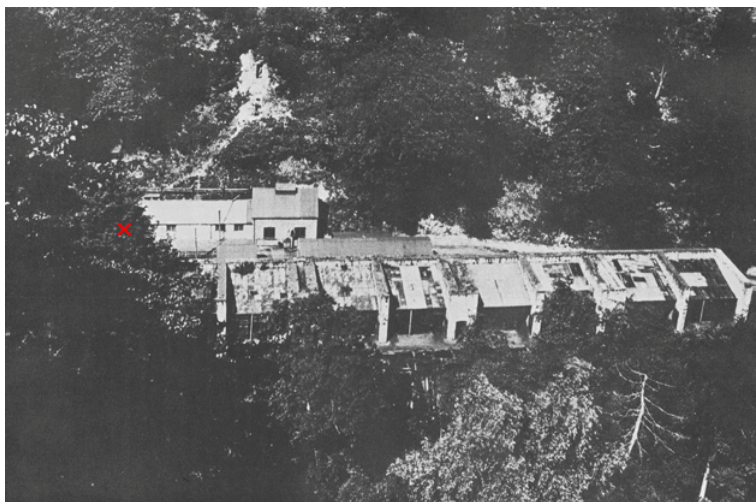


Photo: 124_02 Originator: Pritchard et al (1985), p.20

Date: - Ref no: -

Caption: Watch house (upper left - red X).



SITE NO: 125.1

GP related?: Yes

| | | |
|------------------------------|-------------------|-----------------|
| Function: Steam engine house | Context: GP Power | Danger bld?: No |
|------------------------------|-------------------|-----------------|

| | | |
|-------------------------|---------------------------------|-----------------------|
| Nat Grid: 291430 208201 | Community: Ystradfellte | |
| Admin Unit: Powys | Historic County: Brecknockshire | |
| In BBNP?: Yes | Owner: No | Protection: SAM BR230 |

| | | |
|------------------------|-----------------|----------------|
| Nobel: 26 Steam engine | CPAT HER: 59546 | RCAHMW: 405079 |
|------------------------|-----------------|----------------|

| | | |
|-----------------|------------------------|-----------|
| Coey survey?: - | Survival: Some remains | Use: None |
|-----------------|------------------------|-----------|

Commentary: A building is shown on the east gable of the engine house [124] on the 1877 OS map and subsequent editions. Noted in 1927 Nobel Plan as '26 - Steam engine'. Likewise annotated by Moses as 'Steam engine'. It was manufactured by Messrs Robey & Co (Lincoln) and acted as a back-up drive to incorporating mills 1-8 [128] when water was in short supply or the turbine was stopped for maintenance. According to Pritchard and Tough, there was a 7-8ft deep pit (now infilled) from which a drive shaft ran under the tramway in a brick-lined tunnel to the mill block. An old photograph shows a single-storey building with a raised ridge ventilator and two openings to its south elevation.

References: CPAT HER: 59546
Moses T.L. (1979a).
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405079
Tough E.M.B (1987a), pp 11-12.

Photo: 125.1_01 Originator: Pritchard et al (1985), p.20

Date: - Ref no: -

Caption: Steam engine house (upper centre left - red X).

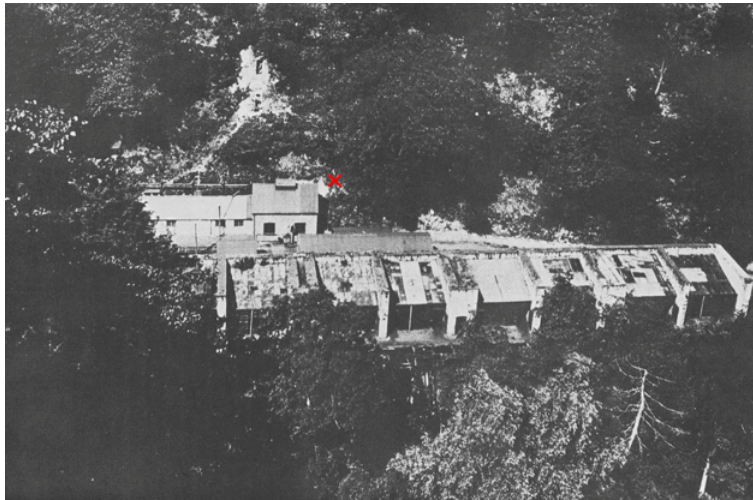


Photo: 125.1_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524309

Caption: Brick-lined engine pit of the Robey Steam Engine (NPRN:405079) viewed from the south-east.



SITE NO: 125.2

GP related?: Yes

Function: Chimney flue

Context: GP Power

Danger bld?: No

Nat Grid: 291408 208235 (C)

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: 59546

RCAHMW: 405079

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This underground flue ducted the exhaust from the boiler setting in the steam engine house [125.1] to a chimney 80m further up the slope [125.3].

References: Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405079

SITE NO: 125.3

GP related?: Yes

Function: Chimney

Context: GP Power

Danger bld?: No

Nat Grid: 291387 208269

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Chimney from engine house
boiler

CPAT HER: 59546

RCAHMW: 405079

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This chimney was linked by an underground duct [125.2] to a steam engine house c.80m to its SE. It predates 1877.

References: Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405079

SITE NO: 126

GP related?: Yes

Function: Fire engine house

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291430 208192

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 25 Fire engine

CPAT HER: -

RCAHMW: 405078

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a fire engine house shown on 1877 OS map and subsequent editions. Cited as '25 - Fire engine' in 1927 Nobel Plan and as 'Fire station' by Moses. According to Pritchard, the building housed two hand-propelled fire engines, one of which ran on the tramway. AN old photograph shows a single-storey building with large doorway on its west gable. Served by a spur off the main tramway [601.2].

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405078

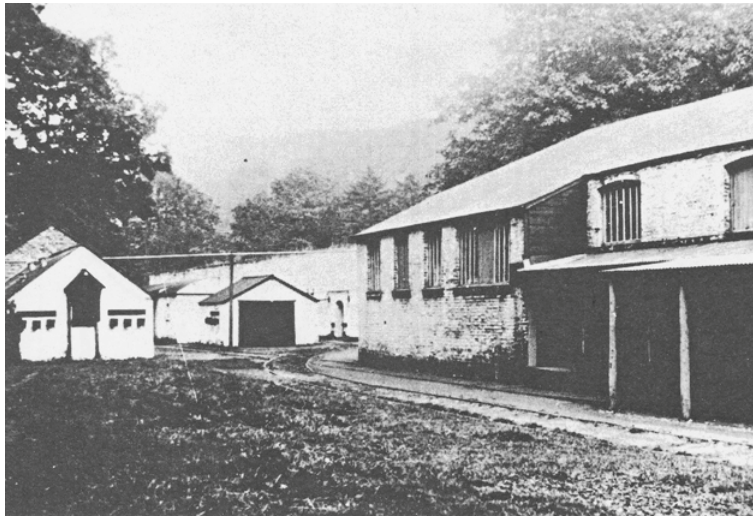
Photo: 126_01

Originator: Pritchard et al (1985), p.23

Date: -

Ref no: -

Caption: Fire engine house (at centre left).



SITE NO: 127

GP related?: Yes

Function: Charge magazine

Context: GP Incorporation

Danger bld?: Yes

Nat Grid: 291443 208198

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405080

Coey survey?: -

Survival: Traces

Use: None

Commentary: Traces of a charge magazine shown on the 1877 OS map and subsequent editions. Annotated by Moses as 'Ride charge magazine'. An old photograph shows a single-storey building.
Here the green charge was stored in readiness for incorporation.

References: Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405080

Photo: 127_01 Originator: Pritchard et al (1985), p.20

Date: - Ref no: -

Caption: Charge house (centre - red X).

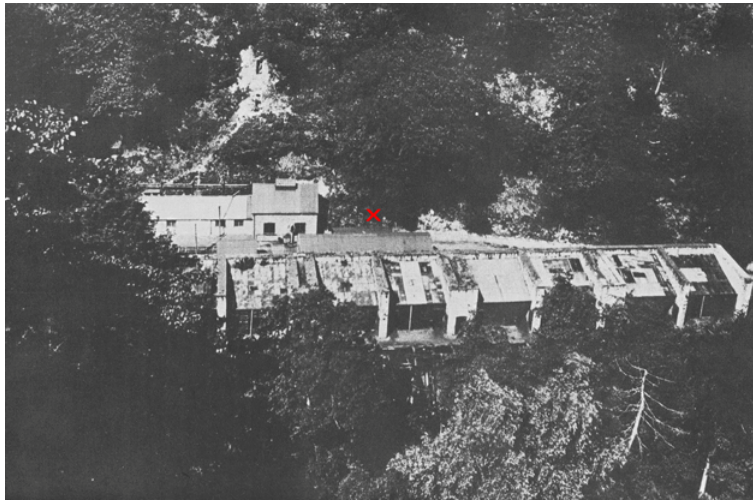


Photo: 127_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524308

Caption: Footings, probably of the Ride Charge Magazine (NPRN:405080) viewed from the north-east.



SITE NO: 128**Mills 1-8**

GP related?: Yes

| | | | | | |
|-----------|---|----------|----------------------------|--------------|-----|
| Function: | Incorporating mills 1-8; Waterwheel pit | Context: | GP Incorporation; GP Power | Danger bld?: | Yes |
|-----------|---|----------|----------------------------|--------------|-----|

| | | | |
|-----------|---------------|------------|--------------|
| Nat Grid: | 291453 208192 | Community: | Ystradfellte |
|-----------|---------------|------------|--------------|

| | | | |
|-------------|-------|------------------|----------------|
| Admin Unit: | Powys | Historic County: | Brecknockshire |
|-------------|-------|------------------|----------------|

| | | | | | |
|-----------|-----|--------|----|-------------|-----------|
| In BBNP?: | Yes | Owner: | No | Protection: | SAM BR230 |
|-----------|-----|--------|----|-------------|-----------|

| | | | | | |
|--------|---|-----------|---|---------|--------|
| Nobel: | 27 8 mills [numbered 1 to 8 from S end] | CPAT HER: | - | RCAHMW: | 405076 |
|--------|---|-----------|---|---------|--------|

| | | | | | |
|---------------|---|-----------|--------|------|------|
| Coey survey?: | - | Survival: | Traces | Use: | None |
|---------------|---|-----------|--------|------|------|

Commentary: A block of eight incorporating mills shown on the 1877 OS map and later additions. According to Harrett, there were only two mills extant when the factory was purchased by Curtis's & Harvey. The 1927 Nobel Plan records them as '27 - 8 mills' and numbers them 1 to 8 (starting at west end); Pritchard et al number them 4-11. Served by a spur off the main tramway [601.2].

An old aerial photograph shows the block to have had substantial front, side and internal party walls, but very light back (south) walls and lean-to roofs to mitigate the effects of accidental explosions. Although Pritchard states that the block was demolished in the early 1970s, foundation traces may survive.

Here the green charge was incorporated into gunpowder using pairs of underdriven edge runner stones. The mills were initially driven by a waterwheel on the east gable of the block, and then by a turbine [129], the water being supplied along the Lower Leat [512.2]. The motion of the plant was transmitted to the machinery by a shaft running in an tunnel beneath the floor. A Robey steam engine in a nearby building [125.1] provided a back-up power supply.

References:

Clibborn D.S. (1969).
Crocker G. (1986).
Harrett J. (1928), p.153.
Johnson S. (1996).
Moses T.L. (1979a).
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.40.
Pritchard T. (1972).
Pritchard T. (1985).
RCAHMW NPRN: 405076

Tough E.M.B (1987a).

Tough E.M.B (1987b), Plate 5.

Photo: 128_01 Originator: Pritchard et al (1985), p.20

Date: - Ref no: -

Caption: Incorporating mills (foreground - red X).

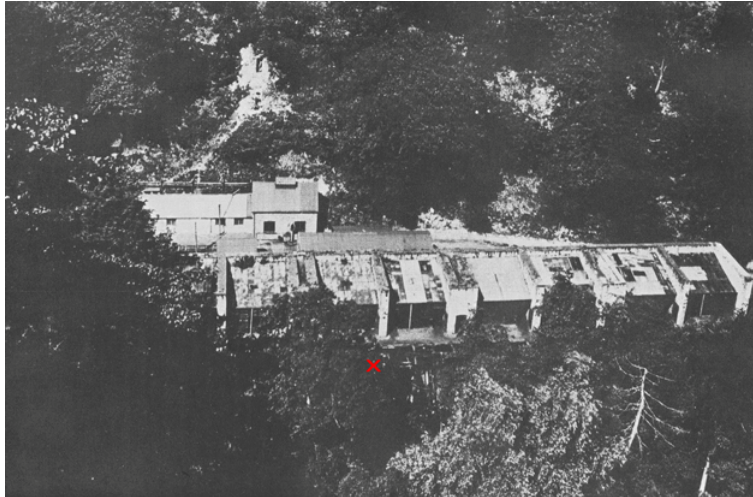
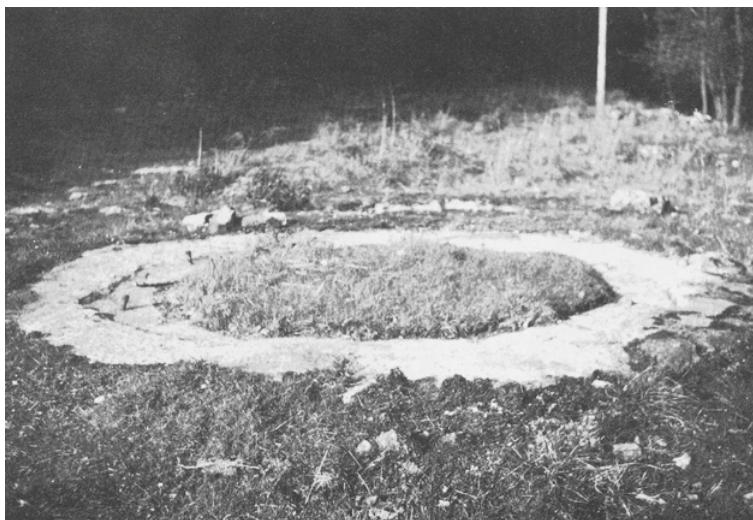


Photo: 128_02 Originator: Pritchard et al (1985), p.19

Date: - Ref no: -

Caption: Footprint of base of incorporating pan.



SITE NO: 129

GP related?: Yes

Function: 30hp turbine house

Context: GP Power

Danger bld?: No

Nat Grid: 291444 208177

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 27A Turbine house 30hp

CPAT HER: -

RCAHMW: 405076

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a turbine house shown on the 1877 OS map and subsequent editions. Cited as '27A - Turbine house 30hp' on the 1927 Nobel Plan. Powered incorporating mills 1-8 [128]. According to Moses, the turbines were made by Gilbert Gilkes & Wilson. The power was transmitted through bevel gears, shafts and fast/loose pulleys to the individual incorporating pans. According to Pritchard et al, the turbine also drove equipment in the millwright's shop [105] and saltpetre mill [112.1], as well as a circular saw and chaff cutter.

References: Clibborn D.S. (1969).

CPAT HER: 59547

Moses T.L. (1979a).

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.40.

RCAHMW NPRN: 405076

Tough E.M.B (1987a).

SITE NO: 201

GP related?: Yes

Function: 6hp turbine house;
Pump house

Context: GP Power

Danger bld?: No

Nat Grid: 291546 208217

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 28 Turbine & Pump house 6hp

CPAT HER: 39176; 50030

RCAHMW: 405085

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a single-storey/ single-bay rubble masonry building with monopitched roof (internally brick vaulted) built into the steep west bank of the river immediately upstream from lower footbridge (formerly the Lower Leat aqueduct).
Shown on all editions of the OS 25-inch map from 1877 onwards. Numbered 28 on the 1927 Nobel Plan and cited as 'Turbine & Pump house 6hp'. Moses cites it as the 'pump house for cake press'.
The turbine was supplied with water from the lower leat [512.1]. Vestiges of masonry pilasters built up the side of the vertical bank just beyond the building may indicate the flume to or from the turbine. It drove a pump which pressurised water which was then piped to a hydraulic press in an adjacent cake press house [202] and also to a second cake press house [203] c.175m upstream. The pump's mounting block survives within the building.
This was a relatively small turbine and one of seven deployed within the works (four of which are in the Coey focus area).

References: Belford P. (2015), p.17 (W14).
CPAT HER: 39176, 50030
Finlason A. (2013), pp 18-21.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405085
Thomas D. (1997): PRN 2607
Tough E.M.B (1987a), p.24.
Tough E.M.B (1987a).
Tough E.M.B (1987b), p.3.

Photo: 201_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524329

Caption: Aqueduct (NPRN:405097) north abutment, and Press Pump House (NPRN:405085) viewed from the south-east.



Photo: 201_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524327

Caption: Press Pump House (NPRN:405085) viewed from the east.



Photo: 201_03 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: -



SITE NO: 202

GP related?: Yes

| | | |
|------------------------------|------------------------|------------------|
| Function: Press house (cake) | Context: GP Processing | Danger bld?: Yes |
|------------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291560 208232 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|---------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: - |
|---------------|--------------|---------------|

| | | |
|-----------------------|-------------|----------------|
| Nobel: 29 Press house | CPAT HER: - | RCAHMW: 405084 |
|-----------------------|-------------|----------------|

| | | |
|------------------------|------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Traces | Use: None |
|------------------------|------------------|-----------|

Commentary: Remains of a rubble masonry building set into slope on west side of former tramway c.20m upstream from lower footbridge. Only the back masonry wall is clearly evident, built into the slope; the other walls were probably timber as this was a danger building.

Shown on OS 25-inch map from 1877 onwards. Cited in 1927 Nobel Plan as '29 Press House'. Annotated as 'Cake Press' by Moses.

Here the incorporated gunpowder ('mill cake') was compressed into slabs ('press cake') by means of a hydraulic press. Power for the latter was piped from a nearby turbine pump house [201]. The building was served by a short spur off the tramway [601.2].

This is one of two cake press houses in the Works, both of which are in the Coey focus area.

References: Belford P. (2015), pp 33, 35 (B18).

Finlason A. (2013), pp 22-25.

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405084

Tough E.M.B (1987b), p.3.

Photo: 202_01

Originator: A. Coey Architects

Date: 05/11/2015

Ref no: -

Caption: -



SITE NO: 203

GP related?: Yes

| | | |
|------------------------------|------------------------|------------------|
| Function: Press house (cake) | Context: GP Processing | Danger bld?: Yes |
|------------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291682 208273 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|---------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: - |
|---------------|--------------|---------------|

| | | |
|--|-------------|----------------|
| Nobel: 30 Press house damaged by explosion | CPAT HER: - | RCAHMW: 405086 |
|--|-------------|----------------|

| | | |
|------------------------|------------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Some remains | Use: None |
|------------------------|------------------------|-----------|

Commentary: Remains of at least two rubble masonry buildings on west side of former tramway, c.180m upstream from the lower footbridge.

Only the south building is shown on the OS 25-inch maps, from 1877 onwards. Cited in 1927 Nobel Plan as '30 Press House damaged by explosion'. When the explosion occurred is unknown. It is not impossible that the north building was its replacement. The south building is annotated as 'Cake Press' by Moses. Being danger buildings, some of the walls would have been of timber construction. The building was served by a loop off the tramway [601.2]. The OS maps suggest that there was a loading porch on each side of the building.

Here the incorporated gunpowder ('mill cake') was compressed into slabs ('press cake') by means of a hydraulic press. Power for the latter was piped from a pump house [201] some 175m downstream, next the footbridge. According to Pritchard, the pipe from the pump house ran along the west side of the tramway and vestiges of it may still survive along the footpath; Tough describes it as a 'pencil-sized bore pipe'.

This is one of two cake press houses in the Works, both of which are in the Coey focus area.

References: Belford P. (2015), pp 33, 35 (B17).

Finlason A. (2013), pp 26-29.

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405086

Tough E.M.B (1987a), p.25.

Tough E.M.B (1987a).

Photo: 203_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524330

Caption: Cake Press House (NPRN:405086), footings viewed from the south-west.



Photo: 203_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524331

Caption: Cake Press House (NPRN:405086), footings viewed from the south-east.



Photo: 203_03

Originator: A. Coey Architects

Date: 05/11/2015

Ref no: -

Caption: -



SITE NO: 204

GP related?: Yes

| | | |
|--------------------------------|------------------------|------------------|
| Function: Press house (pellet) | Context: GP Processing | Danger bld?: Yes |
|--------------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291729 208391 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|------------------------------|-------------|----------------|
| Nobel: 68 Pellet press house | CPAT HER: - | RCAHMW: 405087 |
|------------------------------|-------------|----------------|

| | | |
|------------------------|------------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Some remains | Use: None |
|------------------------|------------------------|-----------|

Commentary: Remains of a roofless single-storey/ single-bay rubble masonry building between the former tramway and river. The bank has been built up hereabouts with random rubble to form a substantial vertical revetment which formerly continued upwards to form the east side of the building. No apparent masonry wall to west side; being a danger building, it was undoubtedly of timber.

First shown on the 1903 OS 25-inch map and subsequent editions so evidently built after 1877 (first map survey). Its location suggests that was probably erected subsequent to the abandonment of the tramway tunnel [609] in favour of a new line of track along the edge of the river in 1880. Cited in 1927 Nobel Plan as '68 Pellet press house with lamp brackets outside (out of use)'. This reference to external lamp brackets reflects the fact that naked flames were not permitted inside the building (there were no electric lights). Annotated as 'Hyd Press House' by Moses. It was served by a loop off the tramway [601.2] but when exactly it went out of use is uncertain.

Here the glazed granules of gunpowder were pressed into cylindrical pellets. The machinery was hydraulically powered, the pressurised water probably being piped from the pump house 200m upstream [208.1].

This is one of three pellet press houses in the Works, and the only one in the Coey focus area.

References: Belford P. (2015), pp 33-34 (B16).
Finlason A. (2013), pp 30-33.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405087

Photo: 204_01 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524337
Caption: Hydraulic Press House (NPRN:405087), view from south-east.



Photo: 204_02 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524336
Caption: Hydraulic Press House (NPRN:405087) with Tramway (NPRN:405055) formation to right, looking south-west.



Photo: 204_03 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524335

Caption: Hydraulic Press House (NPRN:405087) with Tramway (NPRN:405055) formation to right,
 looking south-west.



Photo: 204_04 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: -



Photo: 207_04

Originator: A. Coey Architects

Date: 03/11/2015

Ref no: -

Caption: -



SITE NO: 205**Old corning house**GP related?: Yes

Function: Corning house

Context: GP Processing

Danger bld?: Yes

Nat Grid: 291840 208432

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 33 Corning house

CPAT HER: -

RCAHMW: 405088

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a roofless rubble masonry building to west of former tramway. No masonry wall to east side; being a danger building, this elevation was undoubtedly of timber. According to Pritchard, an opening high up on the north wall was for a trolley to the New Corning House [206].

First shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '33 Corning House'. Annotated as 'Old Corning' by Moses. An old photograph shows a sizeable building with pitched roof, timber east gable and a lean-to porch at each end of the latter. It was served by a loop off the tramway [601.2].

Here the press cake was crushed between rollers and then sieved into uniformly-sized granules. The machinery was powered off a waterwheel alongside the river [206]. Tough suggests that it may subsequently have been belt-driven from the waterwheel at the Lower Weir [208.2], 90m upstream. A shaft transmitted the waterwheel's power under the tramway to a pit in the floor beneath the machinery. This is one of two corning houses in the Works, both of which are in the Coey focus area.

References: Belford P. (2015), pp 31-33 (B15).

Finlason A. (2013), pp 34-37.

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405088

Tough E.M.B (1987a), pp 27-28.

Tough E.M.B (1987b), p.3.

Photo: 205_01

Originator: H. Jones

Date: -

Ref no: RCAHMW Archive, C9866

Caption: Old corning house.

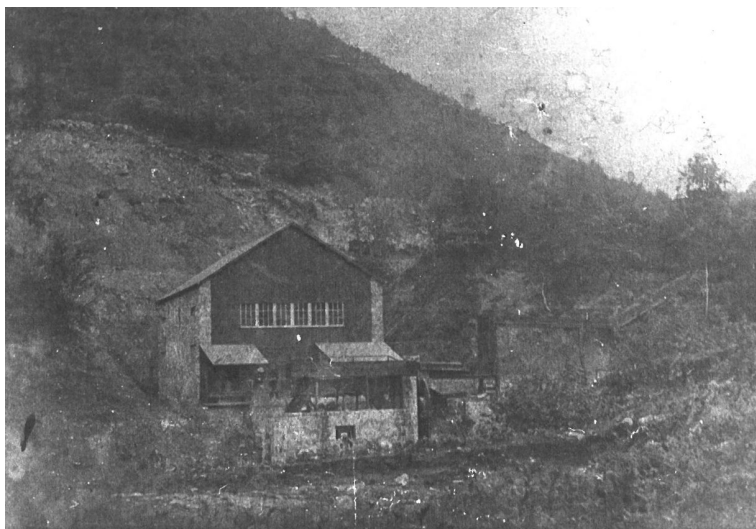


Photo: 205_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524104

Caption: Old Corning House (NPRN:405088) viewed from the east.



Photo: 205_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524106

Caption: Old Corning House (NPRN:405088) viewed from the south-west.



Photo: 205_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524105

Caption: Old Corning House (NPRN:405088) viewed from the south.

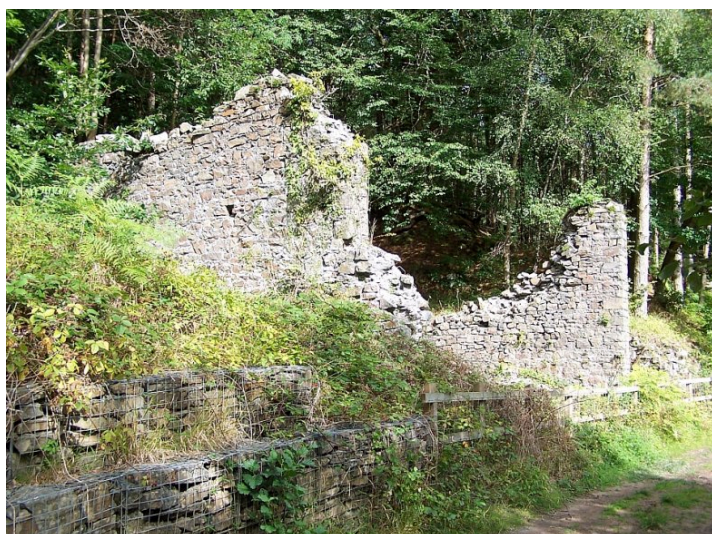


Photo: 205_05 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030901

Caption: Old corning house.



Photo: 205_06 Originator: A. Coey Architects

Date: 03/11/2015 Ref no: -

Caption: -



SITE NO: 206

GP related?: Yes

| | | |
|--------------------------|-------------------|-----------------|
| Function: Waterwheel pit | Context: GP Power | Danger bld?: No |
|--------------------------|-------------------|-----------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291837 208416 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|----------------------|-------------|----------------|
| Nobel: 60 Waterwheel | CPAT HER: - | RCAHMW: 405088 |
|----------------------|-------------|----------------|

| | | |
|-----------------|---------------------|-----------|
| Coey survey?: - | Survival: Uncertain | Use: None |
|-----------------|---------------------|-----------|

Commentary: This waterwheel pit was located between the tramway and river, adjacent to the Old Corning House [205]. The wheel is shown on the 1877 OS 25-inch map and subsequent editions. It is cited as '60 Waterwheel' on the 1927 Nobel plan. An old photograph shows an overshot wheel in a masonry chamber built directly against the bank. It was fed off the Clean Gangway [502.4]. The power was transmitted to the machinery by a shaft under the tramway. The spent water from the wheel was piped across the river [505] to the Lower Leat [512.1]. Tough notes that the pit existed in the 1980s, but RCAHMW states that it was destroyed by later riverbank strengthening work. Further field investigation is required to ascertain whether any traces still survive.

References: Belford P. (2015), pp 15-16 (W10).
Finlason A. (2013), pp 34-37.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405088
Tough E.M.B (1987a), pp 27-28.
Tough E.M.B (1987b), p.3.

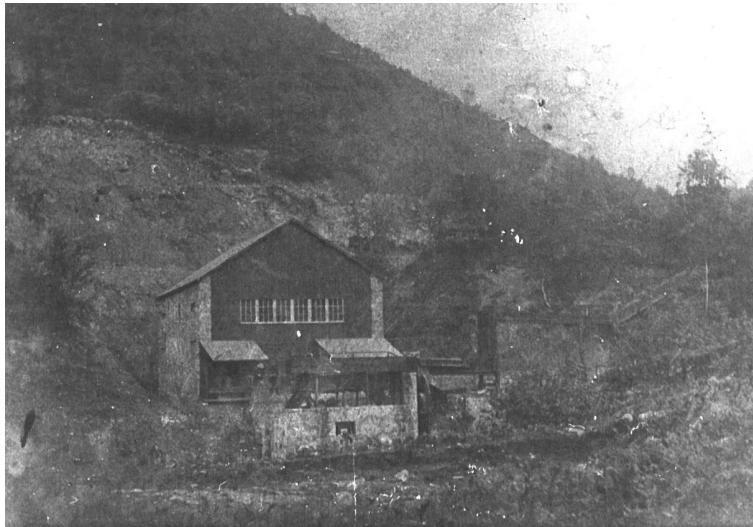
Photo: 206_01

Originator: H. Jones

Date: -

Ref no: RCAHMW Archive, C9866

Caption: Old corning house. Waterwheel is at front/right of building.



SITE NO: 207**New corning house**

GP related?: Yes

Function: Corning house

Context: GP Processing

Danger bld?: Yes

Nat Grid: 291903 208425

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 34 Corning house (new)

CPAT HER: 50059

RCAHMW: 405089

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a roofless mass concrete masonry building overlooking the former branch tramway bridge on the west bank. No walls to two sides; being a danger building, the missing walls were undoubtedly of timber. Pritchard notes that its floor was of asphalt and the walls were sheeted with timber covered with oilcloth. A building is shown here on the 1877 OS 25-inch map and the same footprint is repeated on subsequent editions. Cited in 1927 Nobel Plan as '34 Corning House, New'. Annotated mistakenly by Moses as 'Old Corning ho'. It was served by a short siding off the tramway [601.2].

The construction materials indicate that it is a replacement of a 19th corning house. Belford notes its similarity to several 1920s buildings at two Cumbrian gunpowder works and suggest it was erected by Nobel Industries after they took over in 1920, but before 1927. Why the replacement was necessary is uncertain.

Here the press cake was crushed between rollers and then sieved into uniformly-sized granules. The machinery in the original building was driven by belts or wire ropes off the waterwheel [206] at the Old Corning House, 60m downstream. In the later 1800s (or sometime thereafter), it seems to have been powered by the waterwheel [208.2] adjacent to the pump house at the Lower Weir, 30m to its SE. This is one of two corning houses in the Works, both of which are in the Coey focus area. It is possibly the last buildings to have been erected before the Works ceased production in 1931. It is the only mass concrete building in the entire complex and reflects its late date of construction.

References: Belford P. (2015), pp 30-31 (B14).

CPAT HER: 50059

Finlason A. (2013), pp 38-41.

Johnson S. (1996).

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405089

Tough E.M.B (1987a), p.28.

Tough E.M.B (1987b), p.14.

Photo: 207_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524109

Caption: New Corning House (NPRN:405089) viewed from the north.



Photo: 207_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524108

Caption: New Corning House (NPRN:405089) viewed from the south-west.



Photo: 207_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524110

Caption: New Corning House (NPRN:405089) viewed from the south.



SITE NO: 208.1

GP related?: Yes

| | | |
|---|---------------------------------|-----------------------|
| Function: 18hp turbine house; Pump house | Context: GP Power | Danger bld?: No |
| Nat Grid: 291925 208402 | Community: Ystradfellte | |
| Admin Unit: Powys | Historic County: Brecknockshire | |
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
| Nobel: 35A Turbine & Pump house 18hp | CPAT HER: - | RCAHMW: 405091 |
| Coey survey?: Yes (AC) | Survival: Some remains | Use: None |

Commentary: Remains of a single-storey/ single-bay rubble masonry building situated between the former tramway and west bank of river beside the Lower Weir. Shown on OS 25-inch map from 1903 onwards, but not on 1877 edition so therefore erected in intervening period. Cited in 1927 Nobel Plan as '35A Turbine & Pump house 18hp'. Annotated by Moses as 'Turbine (18hp) pumps for hyd. Press'. The turbine house was built against the SW gable of an existing waterwheel pit, described separately [208.2]. It was fed off the end of the Elevated Leat [502.3] and drove a pump which generated hydraulic power. The pressurised water was apparently piped across the river to a hydraulic accumulator [303] which in turn powered a pellet press house to its south [301]. The pressurised water also seemingly powered the pellet press house [204] 200m downstream on the west bank; Pritchard notes the existence of a hydraulic pipe along the bank. This is one of four turbine houses in the Coey focus area, and one of seven in the entire Works.

References: Belford P. (2015), pp 13-14 (W9).
Finlason A. (2013), pp 42-45.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405091
Tough E.M.B (1987a).

Photo: 208.1_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524114

Caption: Pump House (NPRN:405091) viewed from the west.



Photo: 208.1_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524118

Caption: Pump House and Wheelpit (NPRN:405091), and Middle Weir (NPRN:405090) viewed from the south.



Photo: 208.1_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524116

Caption: Pump House (NPRN:405091) viewed from the south-west.



Photo: 208.1_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524115

Caption: Pump House (NPRN:405091) viewed from the west.



Photo: 208.1_05 Originator: F.W. Hamond

Date: 05/11/2016 Ref no: IMG_3349

Caption: General view from downstream/ left bank.



SITE NO: 208.2

GP related?: Yes

| | | |
|----------------------------|-------------------|-----------------|
| Function: Waterwheel house | Context: GP Power | Danger bld?: No |
|----------------------------|-------------------|-----------------|

| | | |
|-------------------------|---------------------------------|-----------------------|
| Nat Grid: 291930 208403 | Community: Ystradfellte | |
| Admin Unit: Powys | Historic County: Brecknockshire | |
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |

| | | |
|---------------------------------|-------------|----------------|
| Nobel: 35 Water wheel overshoot | CPAT HER: - | RCAHMW: 405091 |
|---------------------------------|-------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a deep stone-lined waterwheel pit on the north gable of the pump house [208.1] situated between the tramway and west bank of river. Shown on OS 25-inch map from 1903 onwards, but not on 1877 edition so must have been erected in intervening period. Cited in 1927 Nobel Plan as '35 Waterwheel (overshoot)'. Annotated by Moses as 'Waterwheel'. The wall break between the upstanding walls of the pit and the adjoining pump house [208.1] indicates that it predates the latter (but by how long is unknown). The wheel was fed off the end of the Elevated Leat [502.3] and drove the machinery in the New Corning house, 30m to its NW [207]; all the machinery in this building required mechanical rather than hydraulic power. This is one of four waterwheel pits in the Works, two of which are in the Coey focus area.

References: Belford P. (2015), pp 13-14 (W8).
Finlason A. (2013), pp 42-45.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405091
Tough E.M.B (1987a).
Tough E.M.B (1987b), p.3.

Photo: 208.2_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524117

Caption: Wheelpit (NPRN:405091) viewed from the north.



Photo: 208.2_02 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: -



SITE NO: 209

GP related?: Yes

Function: Canteen; Changing rooms; Watch house

Context: GP Ancillary

Danger bld?: No

Nat Grid: 291927 208463

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 36 Watch house & Mess room

CPAT HER: 125355

RCAHMW: 405098

Coey survey?: Yes (AC)

Survival: Some remains

Use: None

Commentary: Remains of a random rubble two-bay masonry building up the slope c.30m NW of the former tramway. Approached by a walled footpath from the tramway side, with entrance porch at one end of the building.
Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '36 Watch house & Mess room'. Annotated as 'Watch House and Men's Mess Room' by Moses.
The workmen changed their clothing here before entering the dangerous buildings and also took their meal breaks here. It was served by a well 10m to its NW.
This is one of two watch houses in the Works; the other was near the incorporating mills [124] but has been demolished.

References: Belford P. (2015), p.30 (B13).

CPAT HER: 125355

Finlason A. (2013), pp 54-57.

Moses T.L. (1979b).

Nobel Industries plan (1927).

OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.14.

Pritchard T. (1985).

RCAHMW NPRN: 405098

Photo: 209_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524133

Caption: Watch House (NPRN:405098) looking west.



Photo: 209_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524134

Caption: Watch House (NPRN:405098) looking south.



Photo: 209_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524135

Caption: Passageway to the Watch House (NPRN:405098) looking north.

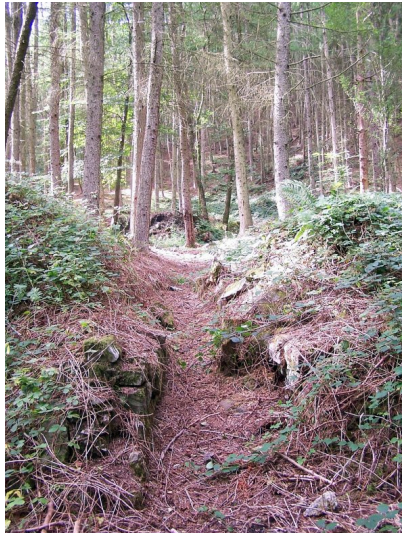


Photo: 209_04

Originator: A. Coey Architects

Date: 03/11/2015

Ref no: -

Caption: -



SITE NO: 210

GP related?: Yes

| | | |
|----------------------------|------------------------|------------------|
| Function: Expense magazine | Context: GP Processing | Danger bld?: Yes |
|----------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291956 208461 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|----------------------------|------------------|----------------|
| Nobel: 37 Expense magazine | CPAT HER: 125356 | RCAHMW: 405099 |
|----------------------------|------------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building with brick vaulted roof cut into the hillside to the west of the former tramway. The actual roof cladding is long gone as is the front end of the building (nearest the tramway) which was probably of timber (this is a danger building). The overhead leat [502.3] passed over this end of the building.
Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '37 Expense magazine'. Annotated as 'Expense mag.' by Moses. It was served by a loop off the tramway [601.2].
Here the gunpowder was temporarily stored whilst undergoing processing (as required by the 1875 Explosives Act).
Although there were eight magazines in the Works, this is the only one used for temporary storage of the gunpowder.

References: Belford P. (2015), p.30 (B12).
CPAT HER: 125356
Finlason A. (2013), pp 58-61.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405099
Tough E.M.B (1987a), pp 30-31.

Photo: 210_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524136

Caption: Expense Magazine (NPRN:405099) from the south.



Photo: 210_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524137

Caption: Expense Magazine (NPRN:405099) from the north.



Photo: 210_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524138

Caption: Expense Magazine (NPRN:405099) from the south-east.



Photo: 210_04

Originator: F.W. Hamond

Date: 29/10/2015

Ref no: P1030907

Caption: Expenses magazine.



SITE NO: 211

GP related?: Yes

| | | |
|---------------------------------|-------------------|-----------------|
| Function: 12-15hp turbine house | Context: GP Power | Danger bld?: No |
|---------------------------------|-------------------|-----------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291993 208483 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|---------------------------------|-------------|-----------|
| Nobel: 38 Turbine house 12-15hp | CPAT HER: - | RCAHMW: - |
|---------------------------------|-------------|-----------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building situated between the former tramway and river. Remnants of the turbine's stone flue are visible running down the vertical revetment at the riverbank.
Shown on the 1903 OS 25-inch map and subsequently, but not on 1877 edition, so evidently erected in the intervening period. Cited in 1927 Nobel Plan as '38 Turbine house 12-15hp'. Annotated as 'Turbine ho. 12/15 hp.' by Moses.
The turbine was supplied fed off the Elevated Leat [502.3] and drove machinery in the glazing house [212], 15m north on the opposite side of the tramway. The linkage from the turbine would have been mechanical (probably a shaft in this case) rather than hydraulic.
This is one of four turbine houses in the Coey focus area, and one of seven in the entire Works.

References: Belford P. (2015), pp 11-12 (W6).
Finlason A. (2013), pp 62-65.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405100

Photo: 211_01 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: -



SITE NO: 212

GP related?: Yes

| | | |
|-------------------------|------------------------|------------------|
| Function: Glazing house | Context: GP Processing | Danger bld?: Yes |
|-------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 291995 208501 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|-------------------------|-----------------|----------------|
| Nobel: 39 Glazing house | CPAT HER: 50063 | RCAHMW: 405100 |
|-------------------------|-----------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building cut into the slope on the west side of the former tramway. Being a danger building, its now-missing frontage would have been of timber. Its masonry sub-floor piers survive along with wall openings for external lamps to illuminate the interior. Shown on 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '39 Glazing house'. It was served by a loop off the tramway [601.2]. Here the corned gunpowder was coated with graphite to make it waterproof and improve its pourability. The machinery was driven by a nearby turbine [211] on the opposite side of the tramway. This is the only glazing house in the entire Works.

References: Belford P. (2015), pp 27-29 (B11).
CPAT HER: 50063
Finlason A. (2013), pp 66-69.
Moses (1979a)
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405100
Tough E.M.B (1987a), pp 31-32.

Photo: 212_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524140

Caption: Glazing House (NPRN:405100) viewed from the south-west.

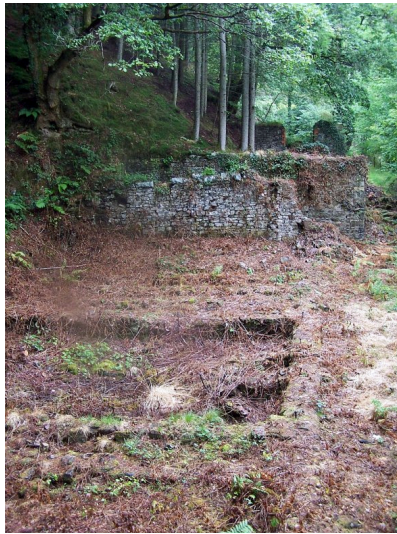


Photo: 212_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524148

Caption: Glazing House (NPRN:405100) viewed from the south-west.



Photo: 212_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524149

Caption: Glazing House (NPRN:405100) viewed from the east.



Photo: 212_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524150

Caption: Glazing House (NPRN:405100), the west retaining wall.



Photo: 212_05 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3270

Caption: Glazing house from NE.



Photo: 212_06 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: -



SITE NO: 213

GP related?: Yes

Function: Stable

Context: GP Transport

Danger bld?: No

Nat Grid: 292016 208511

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 61 Stable

CPAT HER: 50063

RCAHMW: 405100

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a small single-storey/ single-bay rubble masonry building on the west side of the former tramway 20m NE of the Glazing House. A brick-lined opening high up on its NE elevation denotes where the Elevated Leat [502.3] passed through it.

Shown on the 1903 OS 25-inch map only. Cited in 1927 Nobel Plan as '61 Stable'. Here the tram horses were temporarily stabled whilst working at this end of the factory. The main stable block was at the SE end of the Works [108.3], adjacent the stableman's house.

References: Belford P. (2015), pp 18-19 (T5).
Finlason A. (2013), pp 70-73.
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405100

Photo: 213_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524151

Caption: Structure at north-east end of the Glazing House (NPRN405100), possibly a stable, viewed from the south.



Photo: 213_02

Originator: A. Coey Architects

Date: 04/11/2015

Ref no: -

Caption: -



SITE NO: 214

GP related?: Yes

Function: Packing house

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292025 208519

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 40 Heading packing house

CPAT HER: 50063

RCAHMW: 405101

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a single-bay rubble masonry building excavated into the rock face on the west side of the former tramway. Being a danger building, the front wall was of timber. The masonry sub-floor piers are still evident. The Elevated Leat [502.3] passed over the top of the building.
Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '40 Heading packing house'. Served by a loop off the tramway [601.2]. Here the finished gunpowder was packed in barrels (powder) and boxes (pellets), ready for dispatch.
This is one of two packing house in factory.

References: Belford P. (2015), pp 27-28 (B10).

CPAT HER: 50063

Finlason A. (2013), pp 74-77.

Johnson J.M. (1988).

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405101

Photo: 214_01 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524166
Caption: Packing House (NPRN:405101) viewed from the south.



Photo: 214_02 Originator: A. Coey Architects
Date: 04/11/2015 Ref no: -
Caption: -



SITE NO: 215

GP related?: Yes

| | | |
|-------------------------|------------------------|------------------|
| Function: Dusting house | Context: GP Processing | Danger bld?: Yes |
|-------------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 292030 208529 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|-------------------------|-----------------|----------------|
| Nobel: 41 Dusting house | CPAT HER: 50063 | RCAHMW: 405101 |
|-------------------------|-----------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-bay rubble masonry building built into the slope on the west side of the former tramway. The missing front wall was of timber as this was a danger building. The masonry sub-floor piers are still evident, as is a plinth on which the machinery was mounted. The Elevated Leat [502.3] passed over the front end of the building.

Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '41 Dusting house'.

Here dust was removed from the corned gunpowder before it was glazed. Served by a loop off the tramway [601.2].

Here the dust was removed from the corned gunpowder prior to glazing. The machinery was driven by a small turbine [216] c.20m to its SE via a shaft under the tramway.

This is the only dusting house in the entire Works.

References: Belford P. (2015), p.27 (B9).

CPAT HER: 50063

Finlason A. (2013), pp 78-81.

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405101

Tough E.M.B (1987a), pp 32-33.

Photo: 215_01 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524165
Caption: Dusting House (NPRN:405101) viewed from the south.



Photo: 215_02 Originator: A. Coey Architects
Date: 04/11/2015 Ref no: -
Caption: -



SITE NO: 216

GP related?: Yes

| | | |
|-------------------------------|-------------------|-----------------|
| Function: 3.5hp turbine house | Context: GP Power | Danger bld?: No |
|-------------------------------|-------------------|-----------------|

| | | |
|-------------------------|---------------------------------|-----------------------|
| Nat Grid: 292042 208518 | Community: Ystradfellte | |
| Admin Unit: Powys | Historic County: Brecknockshire | |
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |

| | | |
|----------------------|-----------------|----------------|
| Nobel: 3.5hp turbine | CPAT HER: 50063 | RCAHMW: 405101 |
|----------------------|-----------------|----------------|

| | | |
|------------------------|------------------------|-----------|
| Coey survey?: Yes (FH) | Survival: Some remains | Use: None |
|------------------------|------------------------|-----------|

Commentary: This turbine house was located along the edge of the river, immediately SE of the Dusting House [216], which it powered. It is not depicted on any OS map, probably because of its small size. However it is cited as '3.5hp turbine' on the 1927 Nobel plan.

Its remains comprise a brick-lined channel of semicircular cross-section running vertically down the vertical revetment along the riverbank. There an iron sluice gate at the bottom of the flume and remnants of an operating bracket at its top end. The remainder of the flume has probably been washed away. A small culvert passes under the tramway to the Dusting House and probably accommodated a shaft linking the top of the turbine shaft to the machinery. It was fed off the Elevated Leat [502.3].

This was the smallest of the seven turbines used at one time or another within the Works, and one of four in the Coey focus area. It is presumed to be contemporary with the dust house which it powered and therefore pre-dates 1877.

References: Belford P. (2015), p.11 (W5).
CPAT HER: 50063
Finlason A. (2013), pp 78-81.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405101

Photo: 216_01 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3235

Caption: Remains of turbine emplacement set into revetment wall along river.



Photo: 216_02 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3234

Caption: Remains of turbine emplacement set into revetment wall along river.



Photo: 216_03 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3252

Caption: Water supply culvert to turbine passing under tramway (from river end).



SITE NO: 217.1

GP related?: Yes

| | | |
|------------------------|------------------------|-----------------|
| Function: Boiler house | Context: GP Processing | Danger bld?: No |
|------------------------|------------------------|-----------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 292055 208552 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|------------------------|-------------|----------------|
| Nobel: 43 Boiler house | CPAT HER: - | RCAHMW: 405102 |
|------------------------|-------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building abutting the south gable of the Stove House [217.4], just west of the former tramway. Its monopitched roof is missing, as is its SE gable. The latter may have been demolished when the boiler was removed for scarp after the Works closed. On the opposite gable is a flue which connected the boiler [217.2] with a chimney [217.3] further up the hillside.

Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '43 Boiler house'.

Here water was heated to boiling point and the hot water or steam fed through underfloor pipes in the adjoining Stove House. According to Pritchard, there were two boilers in the building, one of which served as a stand-by. He also states that there was a small waterwheel in the leat behind the building which drove a donkey pump which kept the boiler topped up with water.

This is one of two boiler houses in the entire Works, and the only one in the Coey focus area. It is, also the only one associated with the drying of gunpowder (the other was used for heating).

References: Belford P. (2015), pp 25-26 (B6).

Finlason A. (2013), pp 82-85.

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405102

Photo: 217.1_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524167

Caption: Packing House (NPRN:405101) viewed from the south.



Photo: 217.1_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524168

Caption: Boiler House and Stove (NPRN:405102) viewed from the east.



Photo: 217.1_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524169

Caption: Boiler House with the demolished Stove House in front (NPRN:405102) viewed from the east.



Photo: 217.1_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524170

Caption: Vents in the south-east wall of the Boiler House (NPRN:405102).



Photo: 217.1_05 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524171

Caption: Boiler House (NPRN:405102), interior, west wall.



Photo: 217.1_06 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524172

Caption: Boiler House (NPRN:405102) interior, east wall.



Photo: 217.1_07

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524173

Caption: Boiler House (NPRN:405102) viewed from the north-east.



Photo: 217.1_08

Originator: F.W. Hamond

Date: 29/10/2015

Ref no: P1030908

Caption: Boiler house.



Photo: 217.1_09

Originator: A. Coey Architects

Date: 04/11/2015

Ref no: -

Caption: -



SITE NO: 217.2

GP related?: Yes

Function: Chimney flue

Context: GP Processing

Danger bld?: No

Nat Grid: 292039 208561 (C)

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405102

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: This flue connected the boiler with a chimney further up the slope. It is contemporary with the Boiler House [217.1] and pre-dates 1877. The flue, which is c.30m long, is evident on the inside face of the boiler house's NW gable and comprises a stone-lined culvert rising up the slope. It is also evident further along where it has partly collapsed.

References: Belford P. (2015), pp 25-26 (B7).
Finlason A. (2013), pp 82-84 and 90-93.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405102

Photo: 217.2_01

Originator: Pritchard et al (1985), p.13

Date: -

Ref no: -

Caption: Flue (in foreground) from Boiler house to Chimney (in background).



SITE NO: 217.3

GP related?: Yes

Function: Chimney

Context: GP Processing

Danger bld?: No

Nat Grid: 292027 208567

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Chimney (masonry)

CPAT HER: -

RCAHMW: 405102

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a chimney on the hillside overlooking the Boiler House [217.1], c.30m to its NW. It is of brick construction and of square cross-section. It rises from a wider square base of regularly-coursed stone blocks and stands c.7m high overall.
Although only depicted on the 1903 OS 25-inch map, it undoubtedly pre-dates 1877 when the boiler house was in use. It is cited on the 1927 Nobel Plan as 'Chimney, masonry'.
This is one of three such chimneys in the entire Works, and the only one in the Coey focus area.

References: Belford P. (2015), pp 25-26 (B8).
Finlason A. (2013), pp 90-93.
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405102

Photo: 217.3_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524174

Caption: Chimney to the Boiler House (NPRN:405102) viewed from the east.

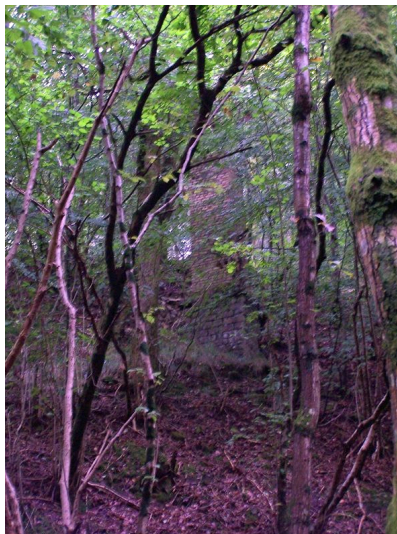


Photo: 217.3_02 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: Chimney.



SITE NO: 217.4

GP related?: Yes

| | | |
|-----------------------|------------------------|------------------|
| Function: Stove house | Context: GP Processing | Danger bld?: Yes |
|-----------------------|------------------------|------------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 292059 208558 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|-----------------|-------------|----------------|
| Nobel: 44 Stove | CPAT HER: - | RCAHMW: 405102 |
|-----------------|-------------|----------------|

| | | |
|------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC) | Survival: Sub remains | Use: None |
|------------------------|-----------------------|-----------|

Commentary: Substantial remains of a single-storey/ two-bay rubble masonry building on the north side of the boiler house [217.1], just west of the former tramway. Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '44 Stove'. The OS maps indicate an entrance lobby on its NE elevation. Served by a spur off the main tramway [601.2]. Here the glazed gunpowder was dried down to c.1% moisture content. The gunpowder was spread out on trays over heated pipes at floor level. This is the only stove house in the entire complex.

References: Belford P. (2015), pp 24-25 (B5).
Finlason A. (2013), pp 86-89.
Moses T.L. (1979a).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405102
Tough E.M.B (1987a), pp 34-35.

Photo: 217.4_01 Originator: Pritchard et al (1985), p.12

Date: - Ref no: -

Caption: Remains of Stove house.



Photo: 217.4_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524168

Caption: Boiler House and Stove (NPRN:405102) viewed from the east.



Photo: 217.4_03 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524169

Caption: Boiler House with the demolished Stove House in front (NPRN:405102) viewed from the east.



Photo: 217.4_04 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: -



SITE NO: 218

GP related?: Yes

| | | |
|-----------------------|----------------------|-----------------|
| Function: Barrel shed | Context: GP Dispatch | Danger bld?: No |
|-----------------------|----------------------|-----------------|

| | |
|-------------------------|-------------------------|
| Nat Grid: 292087 208594 | Community: Ystradfellte |
|-------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|-----------------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |
|---------------|--------------|-----------------------|

| | | |
|------------------------|-------------|----------------|
| Nobel: 62 Barrel store | CPAT HER: - | RCAHMW: 405103 |
|------------------------|-------------|----------------|

| | | |
|-----------------|----------------|-----------|
| Coey survey?: - | Survival: None | Use: None |
|-----------------|----------------|-----------|

Commentary: This barrel store was located at the junction of the main tram [601.2] and the upper branch line [605]. It is shown on the 1877 OS map and subsequent editions and is captioned as '62 - Barrel Store' on the 1927 Nobel plan. Served by a branch off the main tramway [601.2].

There are no upstanding remains and it is possible that the building was of timber rather than masonry construction. Buried foundations may survive.

The barrels awaiting packing in the Packing House [214] were probably stored here.

References: Belford P. (2015), p.24 (B4).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405103

SITE NO: 219

GP related?: Yes

Function: Factory magazine

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292073 208663

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 46 Magazine

CPAT HER: 50407

RCAHMW: 405104

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building on the west side of the upper branch [605] of the tramway. There are ventilation holes around the base of the walls and sub-floor piers internally. Shown on the 1877 OS 25-inch map and subsequent editions. Captioned as 'magazines' on the 1877 six-inch map (this includes building 220.3). Cited in 1927 Nobel Plan as '46 Magazine'. Served by a branch [605] off the main tramway. Here the barrels and boxes of gunpowder awaited dispatch. Excluding the charge and expense magazines, this is one of six gunpowder stores in the complex (and one of two in the Coey focus area).

References: Belford P. (2015), pp 22-23 (B3).

CPAT HER: 50407

Finlason A. (2013), pp 94-97.

Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405104

Tough E.M.B (1987a), p.37.

Photo: 219_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524180

Caption: Magazines (NPRN:405104), No.48 left, No.46 right, looking east.



Photo: 219_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524196

Caption: Magazine (NPRN:405104), No.46 looking south-east.



Photo: 219_03

Originator: A. Coey Architects

Date: 04/11/2015

Ref no: -

Caption: -



SITE NO: 220.1

GP related?: Yes

Function: Factory magazine

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292067 208667

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 47 Pellet house

CPAT HER: 50407

RCAHMW: 405104

Coey survey?: Yes (AC)

Survival: Traces

Use: None

Commentary: Foundation traces of a small single-bay/ single-storey rubble masonry building on the south side of a magazine [220.2], along the west side of the upper tramway branch [605]. Internal sub-floor piers survive.
Shown on the 1877 OS 25-inch map and subsequent editions. Cited in 1927 Nobel Plan as '47 Pellet house'.
There is no evidence that this was a pellet press house. Pritchard terms it the 'Small Magazine' and it was probably where boxes of pellets (rather than barrels of powder) were stored. Served by a branch [605] off the main tramway.
Excluding the charge and expense magazines, this is one of six gunpowder stores in the Works (and one of two in the Coey focus area).

References: Belford P. (2015), pp 22-23 (B2).
Finlason A. (2013), pp 98-101.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405104
Tough E.M.B (1987a), p.37.

Photo: 220.1_01 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: -



SITE NO: 220.2

GP related?: Yes

Function: Factory magazine

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292061 208672

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 48 Magazine

CPAT HER: 50407

RCAHMW: 405104

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: Substantial remains of a single-bay/ single-storey rubble masonry building on the west side of the upper tramway branch [605]. A small pellet magazine [220.1] lies to its immediate south. Internal traces of sub-floor piers.
Shown on the 1877 OS 25-inch map and subsequent editions. Captioned as 'magazines' on the 1877 six-inch map (this includes site 220.3). Cited in 1927 Nobel Plan as '48 Magazine'. Pritchard termed it the 'Big Magazine'.
Here the barrels and boxes of gunpowder awaited dispatch. Served by a branch [605] off the main tramway.
Excluding the charge and expense magazines, this is one of six gunpowder stores in the Works (and one of two in the Coey focus area).

References: Belford P. (2015), p.22 (B1).
CPAT HER: 50407
Finlason A. (2013), pp 102-105.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405104

Photo: 220.2_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524178

Caption: Magazines (NPRN:405104), No.48 foreground, No.46 beyond, looking south-east.



Photo: 220.2_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524179

Caption: Magazines (NPRN:405104), No.48 foreground, No.46 beyond, looking south-east.



Photo: 220.2_03 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524180
Caption: Magazines (NPRN:405104), No.48 left, No.46 right, looking east.

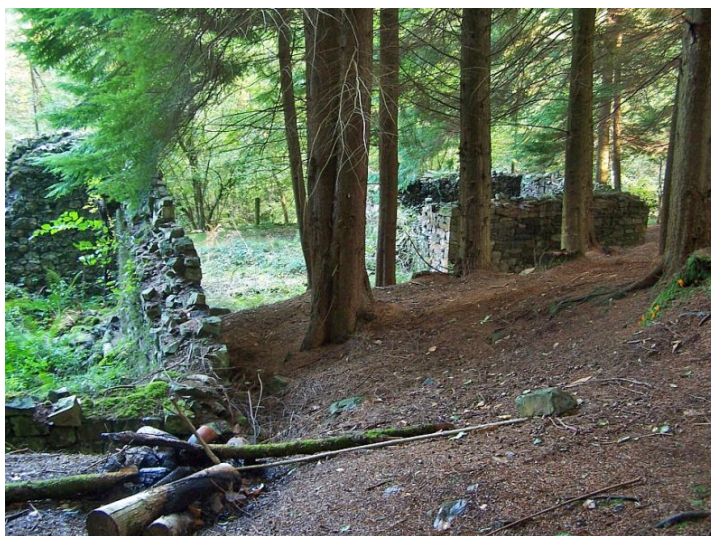


Photo: 220.2_04 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524197
Caption: Magazines (NPRN:405104), No.48 looking west.



Photo: 220.2_05 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524198
Caption: Magazines (NPRN:405104), No.48 looking east.



Photo: 220.2_06 Originator: A. Coey Architects
Date: 04/11/2015 Ref no: -
Caption: -



SITE NO: 220.3

GP related?: Yes

Function: Truck shed

Context: GP Transport

Danger bld?: No

Nat Grid: 292070 208674

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: 45 Truck shop

CPAT HER: -

RCAHMW: 405104

Coey survey?: -

Survival: None

Use: None

Commentary: Site of a building which abutted the east side of a magazine [220.2]. Shown on the OS maps from 1903 onwards and captioned as '45 - Truck shop' on the 1927 Nobel plan. It was probably a wooden lean-to shed erected to protect trucks parked at the north end of the branch tramway [605].

References: Belford P. (2015), p.18 (T4).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405104
Tough E.M.B (1987a), p.36.

SITE NO: 301

GP related?: Yes

| | | |
|--------------------------------|------------------------|------------------|
| Function: Press house (pellet) | Context: GP Processing | Danger bld?: Yes |
|--------------------------------|------------------------|------------------|

| | |
|-------------------------|--------------------|
| Nat Grid: 291788 208291 | Community: Hirwaun |
|-------------------------|--------------------|

| | |
|--------------------------------|---------------------------------|
| Admin Unit: Rhondda Cynon Taff | Historic County: Brecknockshire |
|--------------------------------|---------------------------------|

| | | |
|---------------|-----------|-----------------------|
| In BBNP?: Yes | Owner: No | Protection: SAM BR230 |
|---------------|-----------|-----------------------|

| | | |
|--|-----------------|----------------|
| Nobel: 70 Pellet press house damaged by explosion | CPAT HER: 50060 | RCAHMW: 405095 |
|--|-----------------|----------------|

| | | |
|-----------------|------------------------|-----------|
| Coey survey?: - | Survival: Some remains | Use: None |
|-----------------|------------------------|-----------|

Commentary: Remains of a pellet press house with an entrance porch at one end. One wall of the building is missing, as expected in a danger building such as this.
Built after 1877 and first shown on the 1903 OS map. Cited in 1927 Nobel Plan as '70 Pellet press house damaged by explosion'. Described by Moses as 'Hydr. Pellet press house'. Served by a branch off the main tramway [606].
According to Pritchard et al, the press house exploded at 11.30am on 11 Jan 1921. J. Jones (millwright) and D. Jones (his assistant), who were carrying out maintenance work at the time, were both injured and died the following night. Probably not rebuilt.
Here the glazed granules of gunpowder were pressed into cylindrical pellets. The machinery was powered by a hydraulic accumulator [303] 75m NE. The latter was raised by pressurised water piped from the turbine house [208.1] at the Lower Weir. This is one of three pellet press houses in the gunpowder complex.

References: CPAT HER: 50060
Finlason A. (2013), pp 50-53.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.42.
RCAHMW NPRN: 405095
Thomas D. (1997): PRN 2605

SITE NO: 302

GP related?: Yes

Function: Gunpowder testing
range

Context: GP Processing

Danger bld?: No

Nat Grid: 291807 208345

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Gun range & Cannon

CPAT HER: 39179

RCAHMW: -

Coey survey?: -

Survival: None

Use: None

Commentary: Area where gunpowder was tested by means of a ball fired from a cannon. Cited on 1927 Nobel Plan as 'Gun range & Cannon'.
There was another testing range on the west bank [106]. According to the Nobel Plan citation, the cannon was scrapped.

References: CPAT HER: 39179
Nobel Industries plan (1927).
Thomas D. (1997): PRN 2604

SITE NO: 303

GP related?: Yes

| | | | | | |
|---------------|---|------------------|--------------------------|--------------|-----------|
| Function: | Factory magazine; Hydraulic accumulator tower | Context: | GP Dispatch; GP Power | Danger bld?: | No |
| Nat Grid: | 291849 208337 | Community: | Hirwaun | | |
| Admin Unit: | Rhondda Cynon Taff | Historic County: | Brecknockshire | | |
| In BBNP?: | Yes | Owner: | No | Protection: | SAM BR230 |
| Nobel: | 71 Magazine | CPAT HER: | 39180; 50062 | RCAHMW: | 405094 |
| Coey survey?: | - | Survival: | Some remains | Use: | None |

Commentary: Remains of a small single-bay building built after 1877 and first depicted on the 1903 OS map. Cited in 1927 Nobel Plan as '71 Magazine'. However, noted by Moses as 'Hydr. Accumulator'. Served by a branch off the main tramway [606]. As a hydraulic accumulator, it would have provided pressurised water to power the machinery in the pellet press house 75m SW. The accumulator was raised by pressurised water piped from the turbine house [208.1] at the Lower Weir. The accumulator would have become redundant after the press house exploded in 1921 and might therefore have been converted into to a magazine as noted by Moses. Although it would thus have become a danger building, it seems not to have been designed as such as the remains suggest that it had four masonry walls and no sacrificial timber wall. This is the only accumulator house in the entire complex and one of six factory magazines.

References: CPAT HER: 39180, 50062
Finlason A. (2013), pp 46-49.
Moses T.L. (1979b).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405094
Thomas D. (1997): PRN 2603

SITE NO: 304

GP related?: Yes

| | | |
|------------------------------|-------------------|-----------------|
| Function: 10hp turbine house | Context: GP Power | Danger bld?: No |
|------------------------------|-------------------|-----------------|

| | |
|-------------------------|--------------------|
| Nat Grid: 292056 208724 | Community: Hirwaun |
|-------------------------|--------------------|

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|--------------------------------|---------------------------------|
| Admin Unit: Rhondda Cynon Taff | Historic County: Brecknockshire |
|--------------------------------|---------------------------------|

| | | |
|---------------|-----------|-----------------------|
| In BBNP?: Yes | Owner: No | Protection: SAM BR230 |
|---------------|-----------|-----------------------|

| | | |
|---------------------------|-------------|-----------|
| Nobel: Turbine house 10hp | CPAT HER: - | RCAHMW: - |
|---------------------------|-------------|-----------|

| | | |
|-----------------|------------------------|-----------|
| Coey survey?: - | Survival: Some remains | Use: None |
|-----------------|------------------------|-----------|

Commentary: Remains of a turbine house built on to the east side of the east-bank abutment of the Upper Aqueduct [503]. It is not marked on any OS map, probably because of its small size. Its only mention is in the 1927 Nobel Plan, being captioned 'Turbine house 10hp (with Pelton wheel)'. Photographs show a substantial masonry structure built against the downstream side of the Upper Aqueduct's left-bank abutment, from the side of which a metal pipe projects. This structure is probably a water cistern supplied directly off the Upper Leat [502.1] and which fed the Pelton turbine at the (now-missing) bottom of the pipe. There are no references to any pump, so the turbine probably generated mechanical rather than hydraulic power, most likely to the press house [306] 130m north on the same bank by means of pulley belts or wire ropes. It is presumed to date from the period 1877-1903, during which time the press house which it powered was built. This is one of seven turbine houses in the gunpowder works and the only one on the east bank.

References: Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).

Photo: 304_01 Originator: Pritchard et al (1985), p.31

Date: 1980s Ref no: -

Caption: Turbine emplacement at right-hand end of aqueduct (marked X).

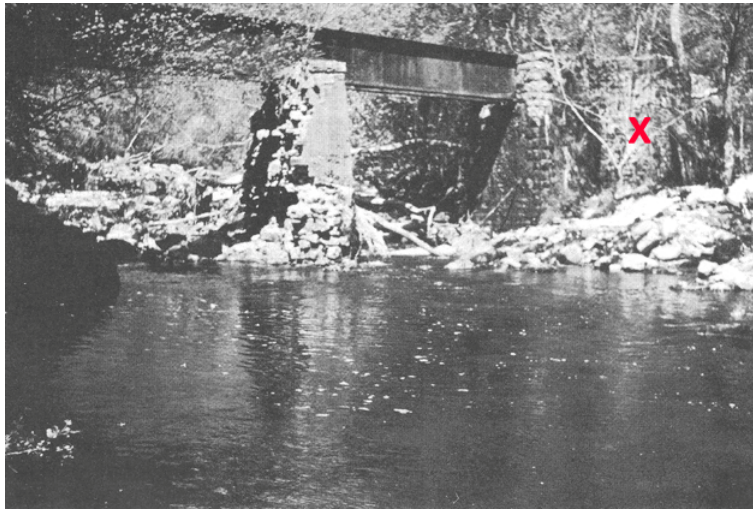


Photo: 304_02 Originator: A. Coey Architects

Date: 16/02/2016 Ref no: P1030251

Caption: Turbine emplacement at right-hand end of aqueduct (marked X).



Photo: 304_03 Originator: A. Coey Architects

Date: 16/02/2016 Ref no: P1030260

Caption: Pipe feed from leat to turbine on downstream side of upper aqueduct abutment.



SITE NO: 305

GP related?: Yes

Function: Factory magazine

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292071 208768

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: 63 Magazine

CPAT HER: 39153; 39171

RCAHMW: 405105

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A powder magazine explicitly captioned on the 1877 OS map and also shown on subsequent editions. Cited in 1927 Nobel Plan as '63 Magazine'. Served by spur off main tramway [601.1]. Not surveyed.
Here the gunpowder was stored prior to onward dispatch.
This is one of six such magazines in the Works, and one of three on this side of the Afon Mellte.

References: CPAT HER: 39153, 39171
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405105
Thomas D. (1997): PRN 2608

SITE NO: 306

GP related?: Yes

| | | |
|--------------------------------|------------------------|------------------|
| Function: Press house (pellet) | Context: GP Processing | Danger bld?: Yes |
|--------------------------------|------------------------|------------------|

| | |
|-------------------------|--------------------|
| Nat Grid: 292076 208857 | Community: Hirwaun |
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| Admin Unit: Rhondda Cynon Taff | Historic County: Brecknockshire |
|--------------------------------|---------------------------------|

| | | |
|---------------|-----------|-----------------------|
| In BBNP?: Yes | Owner: No | Protection: SAM BR230 |
|---------------|-----------|-----------------------|

| | | |
|------------------------------|-------------|----------------|
| Nobel: 64 Pellet press house | CPAT HER: - | RCAHMW: 405106 |
|------------------------------|-------------|----------------|

| | | |
|-----------------|---------------------|-----------|
| Coey survey?: - | Survival: Uncertain | Use: None |
|-----------------|---------------------|-----------|

Commentary: Erected in the period 1877-1903 and first shown on the 1903 OS map. Cited in 1927 Nobel Plan as '64 Pellet press house'. Served by a loop off the main tramway [601.1]. Not surveyed.
Here the glazed granules of gunpowder were pressed into cylindrical pellets. Pritchard describes the building as containing four cam presses. Such presses were mechanically driven by a cam on a rotating shaft, rather than hydraulically (as is the case with the other presses). He also states that it was powered off the Pelton wheel at the Upper Aqueduct [304], 130m south; it was probably linked by pulley belts or wire ropes.
This is one of three pellet press houses in the gunpowder complex.

References: Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405106
Thomas D. (1997): PRN 2593

SITE NO: 307

GP related?: Yes

Function: Packing house

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292126 208981

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: 65 Packing house

CPAT HER: 39165

RCAHMW: 405107

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Shown on the 1877 OS map and subsequent editions. Cited in 1927 Nobel Plan as '65 Packing house'. Served by spur off main tramway [601.1]. Not surveyed. Here the finished gunpowder would have been packed in barrels (powder) and boxes (pellets), ready for dispatch. This is one of two packing houses in the Works.

References: CPAT HER: 39165
Johnson J.M. (1988).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405107
Thomas D. (1997): PRN 2592

SITE NO: 308

GP related?: Yes

| | | | | | |
|-----------|---|----------|--------------|--------------|----|
| Function: | Boiler house; Canteen; Changing rooms | Context: | GP Ancillary | Danger bld?: | No |
|-----------|---|----------|--------------|--------------|----|

| | | | |
|-----------|---------------|------------|---------|
| Nat Grid: | 292146 209031 | Community: | Hirwaun |
|-----------|---------------|------------|---------|

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|-------------|--------------------|------------------|----------------|
| Admin Unit: | Rhondda Cynon Taff | Historic County: | Brecknockshire |
|-------------|--------------------|------------------|----------------|

| | | | | | |
|-----------|-----|--------|----|-------------|-----------|
| In BBNP?: | Yes | Owner: | No | Protection: | SAM BR230 |
|-----------|-----|--------|----|-------------|-----------|

| | | | | | |
|--------|----------------------------------|-----------|-------|---------|--------|
| Nobel: | 66 Mess room and Boiler house | CPAT HER: | 39166 | RCAHMW: | 405108 |
|--------|----------------------------------|-----------|-------|---------|--------|

| | | | | | |
|---------------|---|-----------|-----------|------|------|
| Coey survey?: | - | Survival: | Uncertain | Use: | None |
|---------------|---|-----------|-----------|------|------|

Commentary: Shown on the 1877 OS map and subsequent editions. Cited in 1927 Nobel Plan as '66 Mess room and Boiler house'. Not surveyed.
Pritchard refers to it as the top watch house. It was used by the women packers to change into special clothing and to take their meals. The boiler was for heating rather than steam power.

References: CPAT HER: 39166
Nobel Industries plan (1927).
OS maps.
Pritchard T, Evans J, & Johnson, S. (1985), p.14.
Pritchard T. (1985).
RCAHMW NPRN: 405108
Thomas D. (1997): PRN 2591

SITE NO: 309

GP related?: Yes

Function: Factory magazine

Context: GP Dispatch

Danger bld?: No

Nat Grid: 292184 209125

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Magazine for high explosives

CPAT HER: 50408

RCAHMW: 405109

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Erected in the period 1903-14 and shown on the 1914 OS map and subsequent editions. Captioned on the 1927 Nobel Plan as 'Magazine (for high explosives)'. Pritchard et al note that a cutting was made around the building (described as no.588 HE Magazine - presumed to be this one) in 1930 to improve the ventilation. Roland Hughes was killed when the dry stone wall which he was building at the back collapsed. The main tramway [601.1] was extended northwards to serve it. Not surveyed.
According to Pritchard, high explosives (which are nitro-based) were made in one of Curtis's & Harvey's other factories and brought here for storage.
This is one of six magazines in the Works, and one of three on this side of the Afon Mellte.

References: Nobel Industries plan (1927).

OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.38.

Pritchard T. (1972).

Pritchard T. (1985).

RCAHMW NPRN: 405109

SITE NO: 401

GP related?: Yes

Function: Garden

Context: GP Other

Danger bld?: No

Nat Grid: 291620 208275

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A rectangular enclosure on the right bank, post-dating 1877 and shown on the 1903 OS map and subsequent editions. Tough records it as 'Collins Garden', a walled garden (c.15m x 10m) built by gunpowder employees for their private use. Not surveyed.

References: OS maps.

Tough E.M.B (1987b), p.4.

SITE NO: 402

GP related?: Uncertain

Function: Quarry

Context: GP Extractive
industry?

Danger bld?: No

Nat Grid: 291809 208283

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A small quarry 20m ESE of a pellet press house [301] on the left bank. It first appears on the 1903 OS map, on which it is captioned 'Quarry'. It is likewise depicted on the 1914 edition, but as 'Old quarry' on the 1948 map. Its appearance on the 1903 map coincides with that of the press house and the latter may have been built of stone quarried from it. However, this relationship with the Gunpowder Works has yet to be confirmed.

References: OS maps.

SITE NO: 403

GP related?: Uncertain

Function: Coppice

Context: GP Other?

Danger bld?: No

Nat Grid: 292000 208435

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 39308

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: An 0.8ha area of woodland which apparently shows evidence of coppicing. It has been suggested that this was for charcoal production. However, whether this was the case is uncertain and it is unlikely that it could have produced sufficient charcoal for the Gunpowder Works.

References: CPAT HER: 39308

SITE NO: 404

GP related?: Uncertain

Function: Coppice

Context: GP Other?

Danger bld?: No

Nat Grid: 292125 208621

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 39163

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: An area of woodland which apparently shows evidence of coppicing. It has been suggested that this was for charcoal production. However, whether this was the case is uncertain and it is unlikely that it could have produced enough charcoal for the Gunpowder Works.

References: CPAT HER: 39163

Thomas D. (1997): PRN 2588

SITE NO: 501**Upper weir**

GP related?: Yes

Function: Weir

Context: GP Power

Danger bld?: No

Nat Grid: 292025 208825

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Weir

CPAT HER: 39164

RCAHMW: 405082

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: Substantial remains of a vertical masonry weir across the Afon Mellte at the north end of the Works. There is a sluice emplacement on the east bank, at the start of the leat which it supplied [502]. There are possibly also the remains of a fish ladder at its west bank end.

The structure is explicitly cited as a weir on the 1877 OS map and subsequent editions. It is likewise captioned on the 1927 Nobel Plan.

It diverted water from the Afon Mellte into the Upper Leat to supply water to various waterwheels and turbines in the factory complex and is one of two such weirs serving the factory.

References: Belford P. (2015), p.7 (W1).

CPAT HER: 39164

Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405082

Thomas D. (1997): PRN 2590

Tough E.M.B (1987a).

Photo: 501_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524205

Caption: Upper Weir (NPRN:405082) viewed from the west.



Photo: 501_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524206

Caption: Upper Weir (NPRN:405082), the sluice on the east bank, start of the Upper Leat (NPRN:405081).



Photo: 501_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524207

Caption: Upper Weir (NPRN:405081) viewed from the south.



SITE NO: 502.1**Upper leat**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39181; 50064

RCAHMW: 405081

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: This 115m long stretch of the Upper Leat (560m in total) runs as an open channel along the left bank of the Afon Mellte from the Upper Weir [501.1] to the Upper Aqueduct [503], whence it crossed the river and continued as an open channel [502.2]. It is reasonably intact in places and is lined with brick and stone. The structure is shown on the 1877 OS map and captioned variously as 'mill lead' and 'mill race' on subsequent editions. This section of the race supplied the Pelton wheel in the turbine house [304] beside the aqueduct's north abutment.

References: Belford P. (2015), pp 7-9 (W3).
CPAT HER: 39181, 50064
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405081
Thomas D. (1997): PRN 2589
Tough E.M.B (1987a).

Photo: 502.1_01 Originator: A. Coey Architects

Date: 16/02/2016 Ref no: -

Caption: Upper Leat on left bank.



SITE NO: 502.2**Upper leat**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39181

RCAHMW: 405081

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: This 160m long stretch of the Upper Leat (560m in total) runs as an open channel along the west bank of the Afon Mellte from the Upper Aqueduct [503] as far as the Stove House [217.24], whence it continued as the Elevated Leat [502.3]. It is 105cm wide at its aqueduct end. Its floor and sides at this end are lined with brick and there is also a spillway [504] to automatically regulate the level of the water in the channel. Elsewhere, the race is partly lined with stone. The channel is shown on the 1877 OS map and captioned variously as 'mill lead' and 'mill race' on subsequent editions. No water was abstracted from this section of the race. No water was abstracted from this section of the headrace apart from at the overflow [504].

References: Belford P. (2015), pp 7-9 (W3).

CPAT HER: 39181

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405081

Tough E.M.B (1987a).

Photo: 502.2_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524202

Caption: Upper Leat (NPRN:405081) approaching aqueduct (NPRN:405083) looking north.



Photo: 502.2_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524107

Caption: Upper Leat (NPRN:405081) looking east from SN91870842.



Photo: 502.2_03 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524132
Caption: Upper Leat (NPRN:405081) looking south-west from SN91740834.



Photo: 502.2_04 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524199
Caption: Upper Leat (NPRN:405081), looking north from SN92060861.



Photo: 502.2_05

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524200

Caption: Upper Leat (NPRN:405081) looking south from SN92060861.



SITE NO: 502.3**Elevated leat**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39181

RCAHMW: 405081

Coey survey?: Yes (AC)

Survival: Sub remains

Use: None

Commentary: This 200m long stretch of the Upper Leat (560m in total) ran as an elevated trough from the Stove House [217.24] to a point just before the New Corning House [207], whence it continued at the Clean Gangway [502.4]. Only the masonry rubble piers (between 8 and 10 in number) which supported the trough survive. It ran at a high level in front of the various buildings along this side of the river, and in the case of the stables [213], through it.

The structure is shown on the 1877 and later OS map and captioned as 'aqueduct' from 1914 onwards. The trough was probably of rolled metal sheeting (similar to the Upper Aqueduct), although Tough states that it was timber.

The section of the Upper Leat fed two turbines along its course [216 and 211] and also a turbine and waterwheel at its south end [208.1 and 208.2]. According to Pritchard, it also supplied a small waterwheel behind the Boiler House [217.1].

References: Belford P. (2015), pp 10-11 (W4).

CPAT HER: 39181

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405081

Tough E.M.B (1987a).

Photo: 502.3_01 Originator: Pritchard et al (1985), p.30

Date: - Ref no: -

Caption: Aerial view of elevated leat from NE.



Photo: 502.3_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524152

Caption: Upper Leat (NPRN:405081), pillars carrying the launder, SN92010852 looking north.

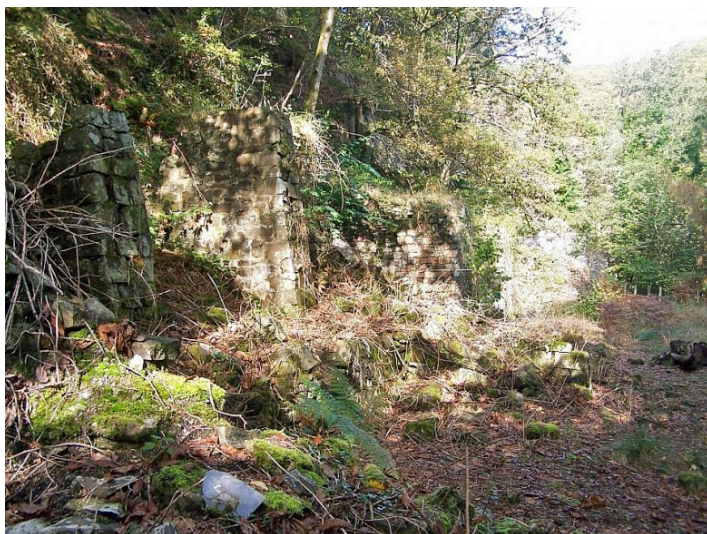


Photo: 502.3_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524139

Caption: Upper Leat (NPRN:405081), the stone pillars that carried the launder, SN91970848 looking north.



Photo: 502.3_04

Originator: F.W. Hamond

Date: 04/11/2015

Ref no: IMG_3263

Caption: Piers which formerly supported overhead race, from N.



Photo: 502.3_05 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: Pier 1 (at downstream end).



Photo: 502.3_06 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: Pier 2.



Photo: 502.3_07 Originator: A. Coey Architects

Date: 04/11/2015 Ref no: -

Caption: Pier 3.



Photo: 502.3_08 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: Pier 4.



Photo: 502.3_09 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: Pier 5.



Photo: 502.3_10 Originator: A. Coey Architects

Date: 05/11/2015 Ref no: -

Caption: Pier 6.



Photo: 502.3_11 Originator: A. Coey Architects

Date: 03/11/2015 Ref no: -

Caption: Pier 7.



Photo: 502.3_12 Originator: A. Coey Architects

Date: 03/11/2015 Ref no: -

Caption: Pier 8 (at upstream end).



SITE NO: 502.4**Clean Gangway**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Clean Gangway

CPAT HER: 39181

RCAHMW: 405081

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This 85m long stretch of the Upper Leat (560m in total) was known as the Clean Gangway. It ran as an open channel from a point just east of the New Corning House [207] to the Old Corning House [205]. It was an earthen channel with an elevated trough at each end.

Its line is shown on the 1877 and later OS maps. It is captioned as 'aqueduct' from 1914 onwards and also cited as 'Clean Gangway' on the 1927 Nobel Plan.

It supplied a waterwheel [206] at the Old Corning House. Once it had passed over the wheel, the water was piped across the river [505] into the Lower Leat [512.1].

References: Belford P. (2015), pp 12-13 (W7).

CPAT HER: 39181

Nobel Industries plan (1927).

OS maps.

Tough E.M.B (1987a), Appendix A, p.3.

Tough E.M.B (1987a).

SITE NO: 503**Upper aqueduct**

GP related?: Yes

Function: Bridge (leat/river)

Context: GP Power

Danger bld?: No

Nat Grid: 292049 208714

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Viaduct

CPAT HER: -

RCAHMW: 405083

Coey survey?: Partly (FH)

Survival: Some remains

Use: None

Commentary: The bridge carried the Upper Leat [502] over the Afon Mellte; the main tramway [601] also ran along its top. It was a upwards of 20m long and comprised two horizontal meal spans set diagonally across the river. The spans rested on squared masonry rubble abutments and central stone pier. The abutment on the left bank is particularly substantial and also incorporates a turbine emplacement [304]. The pier is long washed away, as is part of the abutment on the right bank; the latter is also severely undermined.

Vestiges of the metal trough which carried the water can be found downstream along the river. Its sides and bottom are fabricated from riveted rolled iron sheets reinforced with top and bottom flanges (75mm x 150mm) and external vertical stiffeners. Its depth is 122cm and, judging by the width of the mill leat at its right-bank end, c.110cm wide.

The structure is shown on all editions of the OS maps from 1877 onwards and is one of two which carried mill races across the river.

References: Belford P. (2015), pp 7-8 (W2).

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405083

Photo: 503_01 Originator: Pritchard et al (1985), p.31

Date: 1980s Ref no: -

Caption: Aqueduct with girder spans intact.

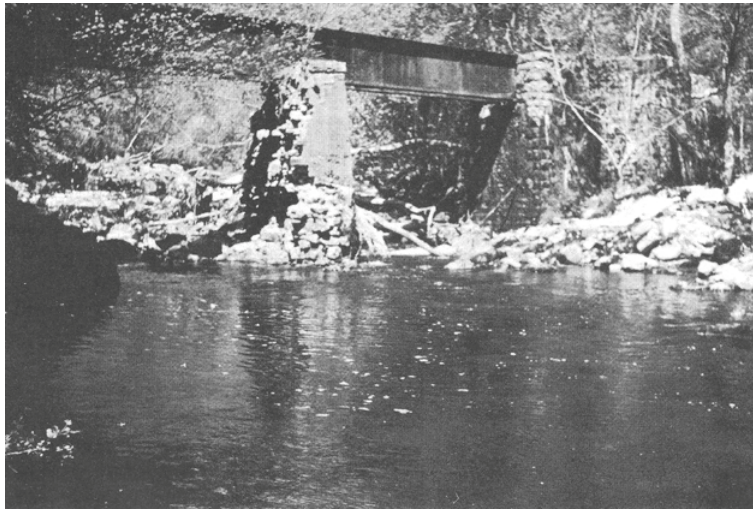


Photo: 503_02 Originator: Pritchard et al (1985), p.32

Date: 1980s Ref no: -

Caption: West end of aqueduct.



Photo: 503_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524203

Caption: Upper Aqueduct (NPRN:405083), south abutment looking north.



Photo: 503_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524204

Caption: Upper aqueduct (NPRN:405083), remains of trough on river bank.



Photo: 503_05 Originator: A. Coey Architects

Date: 16/02/2016 Ref no: P1030251

Caption: Upper Aqueduct, left-bank abutment.



Photo: 503_06 Originator: F.W. Hamond

Date: 03/11/2015 Ref no: IMG_3135

Caption: Looking downstream from just above former aqueduct.



Photo: 503_07 Originator: F.W. Hamond

Date: 03/11/2015 Ref no: IMG_3134

Caption: Left-bank abutment, from upstream.



Photo: 503_08 Originator: F.W. Hamond

Date: 03/11/2015 Ref no: IMG_3132

Caption: Left-bank abutment.



Photo: 503_09 Originator: F.W. Hamond

Date: 03/11/2015 Ref no: IMG_3131

Caption: Right-bank abutment.



Photo: 503_10 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3179

Caption: Remains of metal girder span on right bank at grid 292065 208690.



Photo: 503_11 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3194

Caption: Remains of metal girder span on right bank at grid 292096 208592.



SITE NO: 504

GP related?: Yes

Function: Leat overflow

Context: GP Power

Danger bld?: No

Nat Grid: 292048 208702

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: Yes (FH)

Survival: Sub remains

Use: None

Commentary: Immediately west of the Upper Aqueduct is a spillway on south wall of Upper Leat [502.2] which regulated the depth of the water in the channel. Excess water overflowed into a narrow channel which discharged into the river. It is too small a structure to be depicted on the OS maps.

References: OS maps.

Photo: 504_01

Originator: F.W. Hamond

Date: 29/10/2015

Ref no: P1030909

Caption: Overflow on headrace, from river end.



SITE NO: 505

GP related?: Yes

Function: Pipe (leat/river)

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Spent water piped to
aqueduct on far side

CPAT HER: -

RCAHMW: 405137

Coey survey?: -

Survival: Some remains

Use: None

Commentary: Once it has passed over the waterwheel [206] at the Old Corning House, the spent water was piped across the Afon Mellte and into the Lower Leat [512.1] on the left bank. A substantial masonry abutment which supported the south end of the pipe survives on that bank, as well as the actual pipe where it cuts through the side of the leat.
This feature is too small to be shown on any OS map. The 1927 Nobel Plan captions it as 'Spent water piped to aqueduct on far side'. It is mistakenly described by Belford as a waterwheel emplacement.

References: Belford P. (2015), pp 15-16 (W10).
Finlason A. (2013), pp 34-37.
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405137
Tough E.M.B (1987a).

Photo: 505_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524338

Caption: Abutment (NPRN:405137) on south bank of Afon Mellte, viewed from north-west.



Photo: 505_02

Originator: A. Coey Architects

Date: 17/02/2016

Ref no: P1120196

Caption: Pipe feed into mill race.



Photo: 505_03

Originator: A. Coey Architects

Date: 17/02/2016

Ref no: P1120199

Caption: Pipe detail at point where enters mill race.



SITE NO: 511.1**Lower weir**

GP related?: Yes

Function: Weir

Context: GP Power

Danger bld?: No

Nat Grid: 291925 208385

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Weirs

CPAT HER: 39177 (sluice);
50037 (leat);
59554 (leat)

RCAHMW: 405090

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: Substantial remains of a vertical masonry weir across the Afon Mellte at the north end of the Works, immediately below the pump house on the west bank [208]. It diverted water from the Afon Mellte into the Lower Leat [512] to supply water to various waterwheels and turbines in the lower part of the factory complex. It comprises two sections, separated by a rocky outcrop in the river. Both parts of the structure are faced with randomly-sized dressed stone blocks.

The longer main section is built off the bedrock and runs in a curve between the outcrop and left bank. Metal bolts projecting from its wide flat top probably are probably associated with stop logs to raise its effective height. At its south end is a substantial masonry abutment behind which is a sluice emplacement at the start of the leat. Old photographs show a vertical metal ladder down the face of this abutment giving access to the top of the weir; it has since been removed. Its other end is breached, probably deliberately so.

The other part of the weir, between the outcrop and right bank, is basically a sluice emplacement (with vertical slots for the gate) by which the level of the impounded river could be lowered to permit maintenance of the weir.

The structure is explicitly cited as a weir on the 1877 OS map and subsequent editions. It is likewise captioned on the 1927 Nobel Plan.

It is one of two such weirs serving the factory.

References: Belford P. (2015), pp 15-16 (W11).
CPAT HER: 39177 (sluice), 50037 (leat), 59554 (leat)
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405090
Thomas D. (1997): PRN 2606

Photo: 511.1_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524118

Caption: Pump House and Wheelpit (NPRN:405091), and Middle Weir (NPRN:405090) viewed from the south.



Photo: 511.1_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524119

Caption: Middle Weir (NPRN:405090) viewed from the south.



Photo: 511.1_03 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524120
Caption: Middle Weir (NPRN:405090) viewed from the north.



Photo: 511.1_04 Originator: David J. Percival
Date: 13/10/2006 Ref no: RCAHMW NPRN: 524131
Caption: Middle Weir (NPRN:405090), sluice at north end.



Photo: 511.1_05 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3345

Caption: Weir from footbridge just downstream.



Photo: 511.1_06 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030904

Caption: Weir from right bank.



Photo: 511.1_07 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3353

Caption: Weir from left bank.



SITE NO: 511.2

GP related?: Yes

Function: Bridge (foot/river)

Context: GP Power

Danger bld?: No

Nat Grid: 291925 208385

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Weirs

CPAT HER: 39177 (sluice);
50037 (leat);
59554 (leat)

RCAHMW: 405090

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: The Lower Weir was originally spanned by a footbridge, of which there are now no obvious remains. It is captioned 'footbridge & weir' on the 1877 OS map, but not on subsequent editions. It may have been superseded by the tramway bridge but this is more than 500m downstream. Given that it was necessary to operate the two sluice gates on the weir, the bridge probably still existed until the factory closed (if not thereafter) but was simply not captioned on the maps.

References: Belford P. (2015), pp 15-16 (w11).

CPAT HER: 39177 (sluice), 50037 (leat), 59554 (leat)

Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405090

Thomas D. (1997): PRN 2606

SITE NO: 512.1**Lower leat**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39182; 50031

RCAHMW: 405092

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This 510m long stretch of the Lower Leat (750m in total) ran as an open channel from the Lower Weir to the Lower Aqueduct [513], whence it continued along the right bank [512.2] to supply various waterwheels and turbines (including those powering the incorporating mills). At its top (weir) end is a sluice emplacement with the remains of a bearing associated with the sluice gate's operating mechanism. The bank of the river hereabouts has a substantial stone revetment (now partly collapsed) to contain the channel. Tough reports that the first section of the leat comprises a stone-lined channel which then becomes a timber trough as far as the aqueduct. No water is abstracted from this section of the leat.

References: Belford P. (2015), p.16 (W12).

CPAT HER: 39182, 50031

Nobel Industries plan (1927).

OS maps.

RCAHMW NPRN: 405092

Thomas D. (1997): PRN 2602

Tough E.M.B (1987a), Appendix A, p.4.

Tough E.M.B (1987a).

Photo: 512.1_01 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3354

Caption: Vestiges of sluice gate mechanism at weir end.



Photo: 512.1_02 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3350

Caption: Looking along headrace from sluice gate at weir end.



SITE NO: 512.2**Lower leat**

GP related?: Yes

Function: Leat

Context: GP Power

Danger bld?: No

Nat Grid:

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39182; 50031

RCAHMW: 405092

Coey survey?: -

Survival: Some remains

Use: None

Commentary: This 240m long stretch of the Lower Leat (750m in total) initially ran as an open channel along the right bank of the river from the Lower Aqueduct [513] to Incorporating Mills 1-8 [128]. By 1903, it had been extended to serve Mills 9-11 [122] as well. The two blocks of mills was originally powered by waterwheels but these were superseded with turbines [129 and 123 resp.] in the later 1800s. The leat also fed a turbine [201] on the right bank, immediately upstream from the Lower Aqueduct.

Tough reports that it survives as a stone-lined, partly culverted channel. After the water discharged from the turbine at Mills 9-11, it returned to the river along a tailrace running parallel with the river.

References: Belford P. (2015), p.16 (W12).
CPAT HER: 39182, 50031
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405092
Thomas D. (1997): PRN 2602
Tough E.M.B (1987a), Appendix A, p.5.
Tough E.M.B (1987a).

Photo: 512.2_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524310

Caption: The Lower Leat (NPRN:405092) looking east from SN91510821.



SITE NO: 513**Lower aqueduct**

GP related?: Yes

Function: Bridge (leat/river)

Context: GP Power

Danger bld?: No

Nat Grid: 291552 208204

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 37084

RCAHMW: 405097

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: The bridge carried the Lower Leat [512] over the Afon Mellte. It is a two-span structure, with an abutment on each bank and a pier on the left bank (all in stone). The actual spans - undoubtedly iron troughs similar to those at the Upper Aqueduct [503] - are long gone. Sometime after 1985, a new galvanised metal girder structure was built on the existing stone footings to carry a public footpath. The bridge is shown on all editions of the OS maps from 1877 onwards and is captioned as 'Aqueduct' on the 1914 map.

References: Belford P. (2015), p.17 (W13).

CPAT HER: 37084

Nobel Industries plan (1927).

OS maps.

Pritchard T. (1985).

RCAHMW NPRN: 405097

Photo: 513_01 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524311

Caption: Aqueduct (NPRN:405097) carrying the Lower Leat across the Afon Mellte; intermediate pier and south abutment viewed from the west.



Photo: 513_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524324

Caption: Aqueduct (NPRN:405097) carrying the Lower Leat across the Afon Mellte; intermediate pier viewed from the south-west.

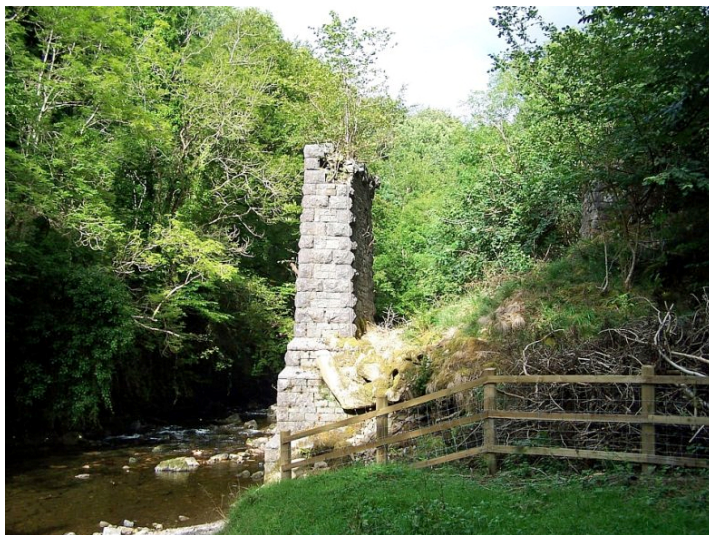


Photo: 513_03 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524325

Caption: Aqueduct (NPRN:405097) carrying the Lower Leat across the Afon Mellte; intermediate pier and north abutment viewed from the south-west.

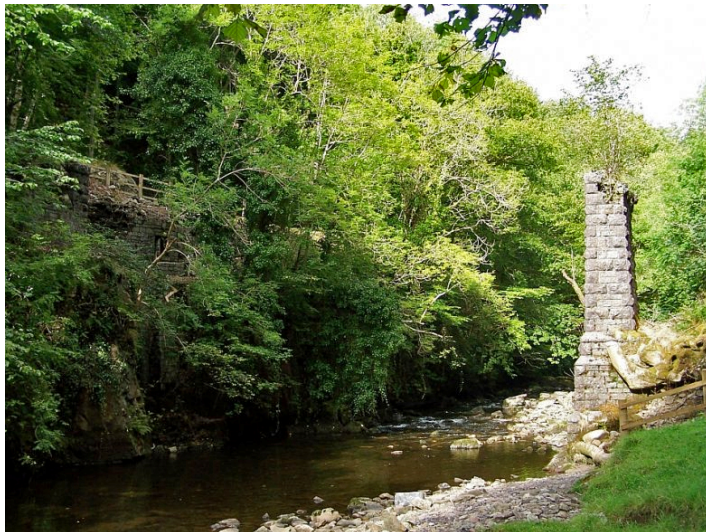


Photo: 513_04 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524326

Caption: Aqueduct (NPRN:405097) carrying the Lower Leat across the Afon Mellte; view along aqueduct from south abutment.



Photo: 513_05 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524328

Caption: Aqueduct (NPRN:405097) carrying the Lower Leat across the Afon Mellte; north abutment viewed from the east.



Photo: 513_06 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524329

Caption: Aqueduct (NPRN:405097) north abutment, and Press Pump House (NPRN:405085) viewed from the south-east.



Photo: 513_07 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030892

Caption: Lower Aqueduct, now a footbridge, from right bank.



Photo: 513_08 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030911

Caption: Lower Aqueduct, now a footbridge, from right bank.



Photo: 513_09

Originator: F.W. Hamond

Date: 05/11/2015

Ref no: IMG_3379

Caption: Lower Aqueduct, now a footbridge, from right bank.



SITE NO: 601.1

GP related?: Yes

Function: Tramway

Context: GP Transport

Danger bld?: No

Nat Grid:

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39174; 50038

RCAHMW: 405055

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A 2050m long, 3ft 6in gauge horse-drawn tramway served the entire gunpowder factory; this particular section ran for 455m along the east bank of the Afon Mellte from the north end of the works to an aqueduct [603] on which it crossed the river. The actual rails were of inverted U-profile iron, with flat flanges to affix them directly to sleepers. Short sidings ran off the main line to serve the buildings. The lines in the vicinity of danger buildings were of timber to minimise the risk of accidental explosions.
On the 1877 and 1897 OS maps this section ran only as far as building 308. In the period 1903-14, it was extended northwards by c.100m to serve a new high explosives magazine [309]. According to Pritchard et al, the tramway was last used in 1934.
This section has not been surveyed.

References: Belford P. (2015), p.18 (T1).

CPAT HER: 39174, 50038

Moses T.L. (1979a).

Nobel Industries plan (1927).

OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.46.

Pritchard T. (1985).

RCAHMW NPRN: 405055

Stevens R. (1974).

Tough E.M.B (1987b), p.4.

SITE NO: 601.2

GP related?: Yes

| | | |
|-------------------|-----------------------|-----------------|
| Function: Tramway | Context: GP Transport | Danger bld?: No |
|-------------------|-----------------------|-----------------|

| | | |
|-------------------|---------------------------------|-----------------------|
| Nat Grid: | Community: Ystradfellte | |
| Admin Unit: Powys | Historic County: Brecknockshire | |
| In BBNP?: Yes | Owner: BBNPA | Protection: SAM BR230 |

| | | |
|--------------------------------|------------------------|----------------|
| Nobel: Shown but not captioned | CPAT HER: 39174; 50038 | RCAHMW: 405055 |
|--------------------------------|------------------------|----------------|

| | | |
|---------------------------|-----------------------|-----------|
| Coey survey?: Partly (FH) | Survival: Sub remains | Use: None |
|---------------------------|-----------------------|-----------|

Commentary: A 2050m long, 3ft 6in gauge horse-drawn tramway served the entire gunpowder factory; this particular section ran for 1545m along the west bank of the Afon Mellte from an aqueduct [603] on which it crossed the river to c.50m beyond the entrance gates where it re-crossed the river to the east bank [610]. The actual rails were of inverted U-profile iron, with flat flanges to affix them directly to sleepers. Short sidings and loops ran off the main line to serve the buildings. In the vicinity of danger buildings, the actual track was of timber to minimise the risk of accidental explosions.

The 1877 OS map shows the SW end of the tramway to have made use of the lines of the Dinas Bridge Firebrick Works. By 1903, however, a new line had been laid through the former brickworks. Prior to 1880, the line also ran through a 70m long tunnel excavated out of the rock [609]. According to Pritchard et al, the tramway was last used in 1934.

Although the actual line is long lifted, its route can is still clearly evident along a public footpath.

References: Belford P. (2015), p.18 (T1).
CPAT HER: 39174, 50038
Moses T.L. (1979a).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405055
Stevens R. (1974).
Thomas D. (1997): PRN 2594
Tough E.M.B (1987a), pp 12-16.
Tough E.M.B (1987b), p.4.

Photo: 601.2_01 Originator: Pritchard et al (1985), p.17

Date: - Ref no: -

Caption: Horse-drawn wagon on tramway.



Photo: 601.2_02 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524175

Caption: Flat-bottom rails reinforcing the bank, tramway formation (NPRN:405055) at SN92060854.



Photo: 601.2_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524176

Caption: Tramway (NPRN:405055), junction of main route (left) and branch to magazines (NPRN:405104), looking east from SN92090858.



Photo: 601.2_04

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524177

Caption: Tramway (NPRN:405055), junction of main route (left) and branch to magazines (NPRN:405104), looking east from SN92090858.



Photo: 601.2_05

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524332

Caption: Tramway (NPRN:405055) formation looking east from SN91610824.



Photo: 601.2_06

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524334

Caption: Tramway (NPRN:405055) deviation round tunnel, looking south-west from SN91710838.



Photo: 601.2_07 Originator: David J. Percival

Date: 13/10/2006 Ref no: RCAHMW NPRN: 524335

Caption: Hydraulic Press House (NPRN:405087) with Tramway (NPRN:405055) formation to right, looking south-west.



Photo: 601.2_08 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3149

Caption: Tramway - looking south from Upper Aqueduct. Mill race on left.



Photo: 601.2_09 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3154

Caption: Tramway - looking SW along cutting just beyond crossing of mill race.



Photo: 601.2_10 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3161

Caption: Tramway - looking N at junction with branch line [605] (at right).



Photo: 601.2_11 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3205

Caption: Tramway - looking SW just beyond junction with branch line [605].



Photo: 601.2_12 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3240

Caption: Tramway - revetment wall along river, directly south of block 217.



Photo: 601.2_13 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3243

Caption: Tramway - cantilevered section (from below), directly south of block 217.



Photo: 601.2_14 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3217

Caption: Tramway - cantilevered section directly south of block 217.



Photo: 601.2_15 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3255

Caption: Tramway - looking SW from building 215. Piers for overhead leat [502.3] at right.



Photo: 601.2_16 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3231

Caption: Tramway - revetment wall along river, opposite buildings 212 and 213.



Photo: 601.2_17 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3370

Caption: Tramway - looking E just downstream from tramway bridge. Old corning house [205] at right.



Photo: 601.2_18 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3373

Caption: Tramway - looking E between buildings 205 and 204. Note landslide at far end.



Photo: 601.2_19 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3343

Caption: Tramway - looking N across landslide just east of building 204.



Photo: 601.2_20 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3378

Caption: Tramway - looking E just east of building 202.



Photo: 601.2_21 Originator: F.W. Hamond

Date: 29/10/2015 Ref no: P1030914

Caption: Tramway - feature in vicinity of block 108.



SITE NO: 601.3

GP related?: Yes

Function: Tramway

Context: GP Transport

Danger bld?: No

Nat Grid:

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: No

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A 2050m long, 3ft 6in gauge horse-drawn tramway served the entire gunpowder factory; this particular section ran for 50m along the east bank of the Afon Mellte from a bridge [610] on which it crossed the river to Dr Bevan's tramway [913]. The actual rails were of inverted U-profile iron, with flat flanges to affix them directly to sleepers. According to Pritchard et al, the tramway was last used in 1934. This section of the line has not been surveyed.

References: OS maps.

SITE NO: 602

GP related?: Yes

Function: Bridge (tram/stream)

Context: GP Transport

Danger bld?: No

Nat Grid: 292172 209072

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A small bridge carrying the tramway [601.1] over a stream. Dates from the period 1903-14 when the line was extended northwards. Not surveyed.

References: OS maps.

SITE NO: 603**Upper tramway bridge**

GP related?: Yes

Function: Bridge (tram/leat)

Context: GP Transport

Danger bld?: No

Nat Grid: 292049 208714

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Tramway above viaduct

CPAT HER: -

RCAHMW: 405083

Coey survey?: Partly (FH)

Survival: None

Use: None

Commentary: The tramway [601] used the existing aqueduct [503] carrying the Upper Leat to cross the Afon Mellte. Planks were presumably laid across the tops of the metal water trough to carry the rails, but how wide it was and whether there was any protective parapet is unknown, all vestiges having long disappeared.

References: Belford P. (2015), p.18 (T2).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405083

Photo: 603_01

Originator: Pritchard et al (1985), p.32

Date: 1980s

Ref no: -

Caption: West end of aqueduct.



SITE NO: 604

GP related?: Yes

Function: Bridge (tram/leat)

Context: GP Transport

Danger bld?: No

Nat Grid: 292051 208657

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: Yes (FH)

Survival: None

Use: None

Commentary: Site of a small flat skew bridge which carried the tramway [601.2] over the Upper Leat [502.2]. It is shown on all OS maps from 1877 onwards. No obvious traces survive, the race hereabouts having been infilled.

References: OS maps.

Photo: 604_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524201

Caption: Tramway (NPRN:405055) crossing the Upper Leat (NPRN:405081) at SN92050865, looking south.



Photo: 604_02

Originator: F.W. Hamond

Date: 04/11/2015

Ref no: IMG_3152

Caption: Tramway - crossing of mill race (scale rod set along race).



SITE NO: 605

GP related?: Yes

Function: Tramway

Context: GP Transport

Danger bld?: No

Nat Grid:

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405055

Coey survey?: Yes (FH)

Survival: Sub remains

Use: None

Commentary: A 125m long branch off the main tramway [601.2] to serve the magazines near the SW end of the aqueduct. Shown on the 1877 OS map and subsequent editions. The line is long lifted, but its course is still followed by a footpath.

References: Belford P. (2015), p.18 (T3).
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405055

Photo: 605_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524176

Caption: Tramway (NPRN:405055), junction of main route (left) and branch to magazines (NPRN:405104), looking east from SN92090858.



Photo: 605_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524177

Caption: Tramway (NPRN:405055), junction of main route (left) and branch to magazines (NPRN:405104), looking east from SN92090858.



Photo: 605_03

Originator: F.W. Hamond

Date: 04/11/2015

Ref no: IMG_3163

Caption: Tramway branch - looking N at junction with main tramway (at left).



Photo: 605_04 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3164

Caption: Tramway branch - looking N just beyond junction with main tramway.



Photo: 605_05 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3168

Caption: Tramway branch - revetment wall alongside of track just south of building 219.



Photo: 605_06 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3176

Caption: Tramway branch - looking N from building 219.



Photo: 605_07 Originator: F.W. Hamond

Date: 04/11/2015 Ref no: IMG_3190

Caption: Tramway branch - revetment wall along river in vicinity of building 219.



SITE NO: 606

GP related?: Yes

Function: Tramway

Context: GP Transport

Danger bld?: No

Nat Grid:

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: 39175

RCAHMW: 405055

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A 180m long branch off the main tramway [601.2] to serve several buildings on the east bank of the Afon Mellte. It was laid in the period 1877-1903 and is first shown on the 1903 OS map. It has not been surveyed in detail but a footpath is believed to follow part of its course.

References: Belford P. (2015), p.19 (T7).
CPAT HER: 39175
Nobel Industries plan (1927).
OS maps.
RCAHMW NPRN: 405055
Thomas D. (1997): PRN 2601

Photo: 606_01

Originator: F.W. Hamond

Date: 05/11/2015

Ref no: IMG_3368

Caption: Looking SW along former tramway (now a footpath) from SW end of tramway bridge.



SITE NO: 607**Lower tramway bridge**

GP related?: Yes

Function: Bridge (tram/river)

Context: GP Transport

Danger bld?: No

Nat Grid: 291894 208389

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: BBNPA

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: 405093

Coey survey?: -

Survival: Sub remains

Use: Foot bridge

Commentary: A two-span metal girder bridge formerly carried a branch tramway [606] over the Afon Mellte. It was erected in the period 1877-1903 and is first shown on the 1903 map. The spans are long gone but have been replaced by a modern metal girder footbridge (with timber deck and parapets) which utilizes the original stone abutments and pier.

References: Belford P. (2015), pp 19-20 (T6).
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1985).
RCAHMW NPRN: 405093

Photo: 607_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524113

Caption: Tramway bridge (NPRN:405093) viewed from the east.



Photo: 607_02

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524112

Caption: Tramway bridge (NPRN:405093) viewed from the west.



Photo: 607_03

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524111

Caption: Tramway bridge (NPRN:405093) viewed from the north-east.



Photo: 607_04

Originator: F.W. Hamond

Date: 05/11/2015

Ref no: IMG_3351

Caption: Tramway bridge (now a footbridge), from upstream.



Photo: 607_05 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3351

Caption: Tramway bridge - looking NE across deck (new corning house in background).



SITE NO: 608

GP related?: Yes

Function: Bridge (tram/leat)

Context: GP Transport

Danger bld?: No

Nat Grid: 291889 208379

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: SAM BR230

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Site of a small flat skew bridge which carried the branch tramline [606] over the Lower Leat [512.1]. It is shown on all OS maps from 1903 onwards. No obvious traces survive, but further survey is necessary to confirm this.

References: Nobel Industries plan (1927).
OS maps.

SITE NO: 609

GP related?: Yes

| | | |
|--------------------------|-----------------------|-----------------|
| Function: Tramway tunnel | Context: GP Transport | Danger bld?: No |
|--------------------------|-----------------------|-----------------|

| | |
|-----------------------------|-------------------------|
| Nat Grid: 291698 208368 (C) | Community: Ystradfellte |
|-----------------------------|-------------------------|

| | |
|-------------------|---------------------------------|
| Admin Unit: Powys | Historic County: Brecknockshire |
|-------------------|---------------------------------|

| | | |
|---------------|--------------|---------------|
| In BBNP?: Yes | Owner: BBNPA | Protection: - |
|---------------|--------------|---------------|

| | | |
|----------------------------|-----------------|----------------|
| Nobel: Tunnel (bricked up) | CPAT HER: 37085 | RCAHMW: 405055 |
|----------------------------|-----------------|----------------|

| | | |
|---------------------------|-----------------------|-----------|
| Coey survey?: Yes (AC/FH) | Survival: Sub remains | Use: None |
|---------------------------|-----------------------|-----------|

Commentary: This tunnel originally carried the main tramway [601.2] through the rock face on the west bank. It is explicitly cited as 'tunnel' on the 1877 OS map. It is noted on the 1927 Nobel Plan as 'Tunnel, bricked up'. According to Pritchard, there was a plaque reading 'This tunnel closed May 1880'; this plaque apparently went missing in 1923. The new line of tramway bypassed the tunnel entirely and ran along a revetted stone ledge above the riverbank.

The north end of the tunnel is now blocked by a landslide. The south portal remains open but is barricaded with a wooden fence to prevent entry.

The inside of the tunnel is substantially intact, with only a few collapses. It measures c.2.4-2.8m wide by c.1.9-2.4m high in cross-section and is entirely rock-cut without any brick or dressed stone lining. A 25cm wide by 15cm deep drainage channel capped with flags runs down its east side. Most of the tramway sleepers have been lifted but their positions are still evident as shallow channels across the floor. Those few surviving ones are made from uncut timber split in two. There is also at least one surviving fragment of iron tramline. There are substantial vestiges of whitewash on the walls (possibly a safety measure to show up any block gunpowder).

References: Belford P. (2015), p.21 (T8).
CPAT HER: 37085
Nobel Industries plan (1927).
OS maps.
Pritchard T. (1972).
RCAHMW NPRN: 405055
Stevens R. (1974).

Photo: 609_01

Originator: David J. Percival

Date: 13/10/2006

Ref no: RCAHMW NPRN: 524333

Caption: Tramway (NPRN:405055) south portal to the former tramway tunnel at SN91700832.



Photo: 609_02

Originator: F.W. Hamond

Date: 29/10/2015

Ref no: P1030899

Caption: South entrance to tramway tunnel.



Photo: 609_03 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3293

Caption: Tunnel - looking N from S end.



Photo: 609_04 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3307

Caption: Tunnel - looking N from c.30m beyond S end.



Photo: 609_05 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3320

Caption: Tunnel - blockage at N end.



Photo: 609_06 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3320

Caption: Tunnel - looking S from N end.



Photo: 609_07 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3336

Caption: Tunnel - traces of whitewash on wall.



Photo: 609_08 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3285

Caption: Tunnel - tramway sleeper.



Photo: 609_09 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3285

Caption: Tunnel - excavated tramway sleeper.



Photo: 609_10 Originator: F.W. Hamond

Date: 05/11/2015 Ref no: IMG_3273

Caption: Tunnel - drainage channel along side of tunnel.



SITE NO: 610

GP related?: Yes

Function: Bridge (tram/river)

Context: GP Transport

Danger bld?: No

Nat Grid: 290999 207931

Community: Rhigos; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Some 50m outside the entrance gates to the factory, the tramway (601.2/ 601.3) crossed the Afon Mellte on this bridge before joining up with Dr Bevan's tramway on the east bank. The bridge is shown on all editions of the OS maps from 1876 onwards. Not surveyed.

References: Nobel Industries plan (1927).
OS maps.

SITE NO: 611

GP related?: Yes

Function: Tramway Inclined
plane

Context: GP Transport

Danger bld?: No

Nat Grid: 291034 207777 (C)

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Glamorgan

In BBNP?: No

Owner: No

Protection: -

Nobel: Incline railway (bogie)

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This inclined plane ran for 345m from Dr Bevan's tramway [913] to a siding on the Great Western Railway [612]. It is shown on the OS maps from 1876 onwards. At the end of the works' tramway [601.3], wagons from the gunpowder factory crossed over Bevan's line and were then hauled up to the main line using a balanced counterweight. Pritchard et al record an accident on 21 January 1912 when a load of saltpetre was being let down; four boys were riding the trolley as well and one was killed when it broke free.

References: OS maps.

Pritchard T, Evans J, & Johnson, S. (1985), p.35.

SITE NO: 612**Dinas Siding**

GP related?: Yes

Function: Railway siding

Context: GP Transport

Danger bld?: No

Nat Grid: 291082 207672 (C)

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Glamorgan

In BBNP?: No

Owner: No

Protection: -

Nobel: Dinas Siding

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This siding was used for the transfer of materials between the top of the inclined plane [611] and the Great Western Railway, which the Vale of Neath Railway had been part of since 1865 [920]. It is shown on all editions of the OS maps from 1876 onwards and is captioned 'Dinas Siding' on the 1927 Nobel Plan.

References: OS maps.

SITE NO: 901**Cwm Gored Sand Works/ Silica Mines**GP related?: No

Function: Silica quarry/mine

Context: Extractive industry

Danger bld?: No

Nat Grid: 289921 208698 (C)

Community: Glynneath; Ystradfellte

Admin Unit: Castell-nedd Port Talbot; Powys

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 79696-79699;
79705RCAHMW: 40816

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Extensive area of silica quarrying and mining on Afon Nedd in vicinity of Cwm Gored. Marked variously as coal, fireclay and silica levels on 1876-77 and 1897-1903 OS maps and as 'old levels (silica)' on 1914 map. The maps show a number of substantial buildings at the upper end of the site, where the rock was processed prior to its conveyance along a mineral tramway [902] to Abernant Brickworks just west of Glyn Neath. The upper mine area also contained a water-powered crushing mill. The works' manager lived at Glan-Yr-Afon, 550m NE of the upper mine. The mines closed in 1909.

References: OS maps.
RCAHMW NPRN: 40816
Swann G. (2006), p.23.

Photo: 901_01

Originator: West Glamorgan Archives

Date: -

Ref no: -

Caption: Cwm Gored Sand Works.



SITE NO: 902**Cwm Gored Silica Mines Tramways**GP related?: No

Function: Tramway

Context: Transport

Danger bld?: No

Nat Grid:

Community: Glynneath; Ystradfellte

Admin Unit: Castell-nedd Port Talbot; Powys

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 34647

Coey survey?: -

Survival: Some remains

Use: None

Commentary: A horse-drawn tramway (2ft 6in gauge) connecting the silica mines in the upper reaches of the River Neath with Abernant Brickworks at Glyn Neath. Extant by 1876, the line started at the upper mines on the left bank of the river, then crossed over to the right bank which it followed to Pontneddfechan before turning down the Vale of Neath to Abernant. A branch off the main line was laid in 1876-1897 to serve mines lower down on the left bank.

The mines which the tramway served closed in 1909. Although the actual track is long lifted, its route can still be followed along a public footpath. According to an audio guide to this locality, the remnants of stone sleepers and bridge abutments survive.

References: Brecon Beacons National Park (n.d.).
OS maps.
RCAHMW NPRN: 34647.
Swann G. (2006), p.23.

SITE NO: 903

Pontneddfechan Mill

GP related?: No

Function: Grain milling

Context: Manufacturing
industry

Danger bld?: No

Nat Grid: 290020 208111

Community: Glynneath

Admin Unit: Castell-nedd Port Talbot

Historic County: Glamorgan

In BBNP?: No

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 24937

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Reputedly of 14th C date, this corn mill is captioned as 'Pont-nedd-Fychan Mill (freestone)' on the 1877 OS map. It was disused by the 1914 edition.

References: OS maps.

RCAHMW NPRN: 24937.

SITE NO: 904

Pont-nedd-fechan (old)

GP related?: No

Function: Bridge (road/river)

Context: Transport

Danger bld?: No

Nat Grid: 290103 207671

Community: Glynneath; Ystradfellte

Admin Unit: Castell-nedd Port Talbot; Powys

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 24139

Coey survey?: -

Survival: Sub remains

Use: Road bridge

Commentary: A single-arch masonry road bridge over the Afon Nedd, and after which the village is named. Captioned as 'Pont-nedd-Fychan' on the 1877 OS map as subsequent editions.

References: OS maps.

RCAHMW NPRN: 24139.

Photo: 904_01

Originator: -

Date: -

Ref no: -

Caption: Postcard showing Pont-nedd-fechan.



Photo: 904_02 Originator: S.L. Evans

Date: 22/06/1964 Ref no: RCAHMW NPRN: 488821

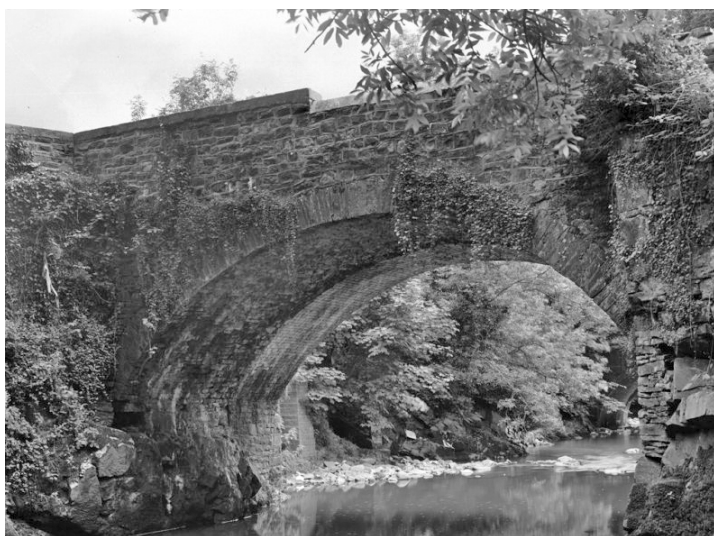
Caption: Pont-nedd-fechan from upstream. Note new bridge in background.



Photo: 904_03 Originator: S.L. Evans

Date: 22/06/1964 Ref no: RCAHMW NPRN: 488822

Caption: Pont-nedd-fechan from upstream.



SITE NO: 905

Pont-nedd-fechan (new)

GP related?: No

Function: Bridge (road/river)

Context: Transport

Danger bld?: No

Nat Grid: 290127 207623

Community: Glynneath; Ystradfellte

Admin Unit: Castell-nedd Port Talbot; Powys

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Sub remains

Use: Road bridge

Commentary: A road bridge over the Afon Nedd c.50m downstream from the old bridge.
Constructed c.1908-09 and first shown on 1914 OS map.

References: OS maps.

Photo: 905_01

Originator: -

Date: c.1908

Ref no: -

Caption: The new bridge at Pontneddfechan under construction.



SITE NO: 906

Pontneddfechan Reservoir

GP related?: No

Function: Water

Context: Utilities

Danger bld?: No

Nat Grid: 290337 208193

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Constructed in period 1903-14. Cited as 'Reservoir (Neath RD Council)' on 1914 OS map and shown on all subsequent editions.

References: OS maps.

SITE NO: 907

GP related?: No

Function: Stone quarry

Context: Extractive industry

Danger bld?: No

Nat Grid: 290963 208111

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Captioned as 'Quarry' on 1877 OS map, and as 'Old quarry' from 1903 onwards.

References: OS maps.

SITE NO: 908**Dinas Bridge Firebrick Works**

GP related?: No

Function: Brickworks

Context: Manufacturing
industry

Danger bld?: No

Nat Grid: 291032 207996

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 405050

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: The Dinas Bridge Brickworks were opened in 1820 by Messrs Fredericks and Jenner for the production of firebricks from locally-obtained silica (silicon dioxide). The 1877 OS map captions the site as 'Dinas Rock Brick Works' and shows four large circular kilns and ancillary buildings. The bricks were apparently taken out on Dr Bevan's railway to Pont Walby [913] and also up an inclined plane to a siding [611] on the Great Western Railway.

Although the works lay within C&H's gunpowder factory, the map caption implies that they were still operational in the 1870s (they are not cited as disused). By 1903, however, the works had been demolished as nothing is shown on the OS map of that date. When exactly they closed (and why) is uncertain.

References: OS maps.

RCAHMW NPRN: 405050

SITE NO: 909

GP related?: No

Function: Sand quarry

Context: Extractive industry

Danger bld?: No

Nat Grid: 291142 207998

Community: Ystradfellte

Admin Unit: Powys

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Some remains

Use: None

Commentary: An extensive sand pit (150m x 40m) is shown just east of the Dinas Bridge Brick Works on all editions of the OS maps. It is captioned as 'Old sand pit' on the 1877 edition. Although situated immediately east of the brick works, it is uncertain whether there was any functional relationship between them; an alternative possibility is that it was a source of building sand.

References: Nobel Industries plan (1927).
OS maps.

SITE NO: 910

GP related?: No

Function: Bridge (road/river)

Context: Transport

Danger bld?: No

Nat Grid: 291084 207947

Community: Hirwaun; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: Shown but not captioned

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Sub remains

Use: Road bridge

Commentary: A bridge carries a minor road over the Afon Mellte between Pontneddfechan and Dinas Rock. Depicted (but unnamed) on all OS map editions from 1877 onwards.

References: Nobel Industries plan (1927).
OS maps.

SITE NO: 911

GP related?: No

Function: Bridge (foot/river)

Context: Transport

Danger bld?: No

Nat Grid: 290655 207829

Community: Rhigos; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A footbridge over the River Neath. Erected in the period 1903-14 and first depicted on 1914 OS map.

References: OS maps.

SITE NO: 912

GP related?: No

Function: Bridge (foot/river)

Context: Transport

Danger bld?: No

Nat Grid: 290578 207750

Community: Rhigos; Ystradfellte

Admin Unit: Powys; Rhondda Cynon
Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A footbridge over Afon Nedd. Erected prior to 1877 and first shown on OS map of that date. Its absence from the 1897 map and subsequent editions implies that it was destroyed (perhaps by floods?) in the 1880s or '90s.

References: OS maps.

SITE NO: 913**Dr Bevan's Tramway**

GP related?: No

Function: Tramway

Context: Transport

Danger bld?: No

Nat Grid:

Community: Hirwaun; Rhigos

Admin Unit: Castell-nedd Port Talbot;
Rhondda Cynon Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 405056

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: Built by Dr Richard Bevan to convey limestone from a quarry at Dinas Rock [914] to the Neath Canal at Abernant, just west of Glyn Neath. Work started in 1802 but was temporarily halted whilst the Cefin Rhigos tramway was built from Hirwaun to Abernant. via Pont Walby. Work on Bevan's tramway recommenced in 1805 and it was finally connected with the Pont Walby - Abernant section of the Cefin Rhigos line in 1806.

The line was originally 4ft 2in gauge but was converted to 2ft 6in and 3ft 6in mixed gauge in 1860. It is joined at one point by the tramway from the Glyn Neath Gunpowder Works [601] and is also connected to the Great Western Railway by an inclined plane [611]. The tramway ceased to be used in the 1920s or '30s.

References: OS maps.

RCAHMW NPRN: 405056

SITE NO: 914**Dinas Rock Limestone Quarry**

GP related?: No

Function: Limestone quarry

Context: Extractive industry

Danger bld?: No

Nat Grid: 291158 207928 (C)

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 39169

RCAHMW: -

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: The outcrop at Crag-y-Ddinas (also known as Black Rock) was quarried for limestone from the 18th C onwards. The 1877 OS map and subsequent editions mark a quarry and lime kiln. The material was conveyed to the Neath Canal along Dr Bevan's Tramway [913].

References: CPAT HER: 39169

OS maps.

Smith R. (1981).

Thomas D. (1997): PRN 2597

SITE NO: 915**Dinas Rock Silica Mines**

GP related?: No

Function: Silica quarry/mine

Context: Extractive industry

Danger bld?: No

Nat Grid: 291566 291566 (C)

Community: Hirwaun; Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: SAM BR229

Nobel: -

CPAT HER: 39158

RCAHMW: 275634

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: The prominent outcrop at Craig-y-Ddinas (Dinas Rock) comprises Twrch Sandstone (part of the Millstone Grit Series) which contains thick layers of silica (silicon dioxide). Because of its exceptional purity, bricks made from it can withstand very intensive heat and were in worldwide demand as refractory bricks for lining smelters. Such was their quality that they were universally known as 'Dinas' bricks. Although these particular silica deposits were known in the late 1700s, it was not until the early 1800s that William Young developed Dinas brick (silica with an admixture of limestone). In 1822, the Dinas Fire Brick Company was established to exploit Young's discovery commercially. A brickworks was built at Pont Walby, on the eastern outskirts of Glyn Neath, and the silica conveyed to it along Dr Bevan's Tramway [913]. The Dinas Brick Co was succeeded by John Player & Co (1825), Riddles, Young & Co (1829), and then by Young & Allen (1852). Mining ceased c.1921 but then resumed in 1930. Its last owners were Messrs Richard, Thomas & Baldwins Ltd, manufacturers of firebrick at Landore, Swansea. The mines closed in 1964. The eastward expansion of the mines up the Afon Sychryd Gorge is shown on successive editions of the OS maps from 1877 onwards. They were served by an internal network of tramways [916] and also, in the 1900s, by an inclined plane [917] and aerial ropeway [918].

References: CPAT HER: 39158

Fellows, R. (2015).

OS maps.

RCAHMW NPRN: 275634.

Thomas D. (1997): PRN 1472, 2583, 2598

Photo: 915_01

Originator: West Glamorgan Archives

Date: c.1920

Ref no: -

Caption: Inside Dinas Rock Silica Mines.



SITE NO: 916**Dinas Rock Silica Mine Tramways**

GP related?: No

Function: Tramway

Context: Transport

Danger bld?: No

Nat Grid:

Community: Hirwaun; Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 411296

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A network of tramways serving the silica mines and quarries on both banks of the Afon Sychryd just east of Dinas Rock [915]. Several tramways are depicted on the 1877 OS map and by 1903, they had been extended eastwards via a 140m long tunnel to serve mines on the upper reaches of the river (where there was also a crushing plant). The tramways were of 2ft 0in and 2ft 6in gauge and operated by horses. Several Ruston & Hornsby diesel locos were deployed in the upper mines after the Second World War. In the mid-1900s, the tramways were supplemented by an inclined plane [917] and aerial ropeway [918]. Operations ceased in the early 1960s and the tramway was lifted in the 1970s.

References: Fellows, R. (2015).

OS maps.

RCAHMW NPRN: 411296

SITE NO: 917**Dinas Rock Silica Mine Inclined Plane**

GP related?: No

Function: Inclined plane

Context: Extractive industry

Danger bld?: No

Nat Grid: 291435 207982 (C)

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 39155

RCAHMW: 33462

Coey survey?: -

Survival: Some remains

Use: None

Commentary: An c.55m long inclined plane on the right bank of the Afon Sychryd which brought crushed silica down from the mine/quarry on the upper reaches of the river [915]. It rose at an angle of 25-30 degrees from west to east and comprised c.2.4m wide transverse timbers secured to two longitudinal RSJs resting on vertical steel columns. A tramway fed a hopper at the top end of the plane and the silica was taken out by lorry at the bottom. The plane was superseded by an aerial ropeway [918] and was converted into a pedestrian footpath. The mine ceased production in the early 1960s and only vestiges of the plane now remain.

References:

CPAT HER: 39155

Fellows, R. (2015).

OS maps.

RCAHMW NPRN: 33462.

Thomas D. (1997): PRN 1126

SITE NO: 918

Dinas Rock Silica Mine Aerial Ropeway

GP related?: No

Function: Aerial ropeway

Context: Extractive industry

Danger bld?: No

Nat Grid: 291402 207894 (C)

Community: Hirwaun; Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: A c.560m long aerial ropeway serving the mines/quarries on the upper reaches of the Afon Sychryd [915]. It was installed by Messrs Richard, Thomas and Baldwins Ltd, firebrick manufacturers of Landor, Swansea, in the mid-1900s and is captioned on the 1964 OS map, the year in which the mine closed.

References: Fellows, R. (2015).
OS maps.

SITE NO: 919

GP related?: No

Function: Bridge (road/river)

Context: Transport

Danger bld?: No

Nat Grid: 291072 207901

Community: Hirwaun; Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire; Glamorgan

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Sub remains

Use: Road bridge

Commentary: A bridge carries a minor road over the Afon Sychryd just south of its crossing of the Afon Mellte. Depicted (but unnamed) on all OS map editions from 1877 onwards.

References: OS maps.

SITE NO: 920**Great Western Railway**GP related?: No

Function: Railway

Context: Transport

Danger bld?: No

Nat Grid:

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Glamorgan

In BBNP?: No

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: -

Coey survey?: -

Survival: Uncertain

Use: None

Commentary: This line originated as the Vale of Neath Railway which was authorised by Act of Parliament in 1846. This particular stretch is on the Neath - Aberdare section of the line and opened in 1851; it was extended to Merthyr Tydfill in 1853. West of Neath, the company had running powers over the South Wales Railway which enabled it to connect with Swansea Docks. In 1863, the company opened its own line (the Swansea & Neath Railway) from Neath to the docks. The Vale of Neath Railway Co was amalgamated with the Great Western Railway in 1865. The Glyn Neath - Hirwaun section closed in 1967. The line is now crossed by the Glen Neath by-pass. A siding [612] at the top of an inclined plane [611] enabled materials to be transported to and from the tramway [601] serving the Glyn Neath gunpowder works.

References: OS maps.

Railscot railway database.

SITE NO: 921**Pencaedrain Tunnel**

GP related?: No

Function: Railway tunnel

Context: Transport

Danger bld?: No

Nat Grid: 291630 207653 (C)

Community: Rhigos

Admin Unit: Rhondda Cynon Taff

Historic County: Glamorgan

In BBNP?: No

Owner: No

Protection: -

Nobel: -

CPAT HER: -

RCAHMW: 34846

Coey survey?: -

Survival: Sub remains

Use: None

Commentary: This 480m long tunnel lines on the Neath - Aberdare section of the Vale of Neath Railway and was opened in 1851. It became part of the Great Western Railway in 1865 and closed in 1967.

References: OS maps.

Railscot railway database.

RCAHMW NPRN: 34846

RCAHMW NPRN: 34846.

SITE NO: 922**Cilhepste-cerig Bridge**

GP related?: No

Function: Bridge (foot/river)

Context: Transport

Danger bld?: No

Nat Grid: 292194 209077

Community: Hirwaun

Admin Unit: Rhondda Cynon Taff

Historic County: Brecknockshire

In BBNP?: Yes

Owner: No

Protection: -

Nobel: -

CPAT HER: 39162

RCAHMW: -

Coey survey?: -

Survival: Some remains

Use: Uncertain

Commentary: Abutments of a bridge which formerly carried a footpath along the left bank of the Afon Mellte over a small tributary stream. It is shown (but uncaptioned) on the 1877 OS map and subsequent editions.

References: CPAT HER: 39162

OS maps.

Thomas D. (1997): PRN 2587