

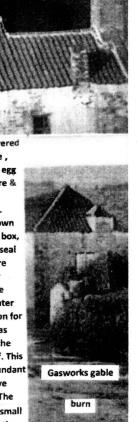
later be pumped in to barrels for use elsewhere). From the condenser it passes through the scrubber "F" consisting of several layers of coke, which are kept in a moist state by means of water continually trickling through them; this further cleaned the gas from Ammonia. The dry lime purifier "G" is the machine next

in order, it consists of a series of wire gratings, covered with hydrate of lime. The gas passes through these, and parts with the Sulphuretted Hydrogen (rotten egg smell) & Carbonic Acid which render the gas impure & unwholesome for use. The gas is then fit for distribution and is conveyed to the gas holder "H". Early gas holders were of rectangular shape as shown and basically consisted of a floating sealed timber box, the gas entering from beneath through the water seal and stored in the void above. The floating structure was kept regulated by the side weights and pulley system. This maintained a constant pressure in the pipework to the lighting system within the mill. Later gas holders were circular in shape. The main reason for the drg. indicating the early form of rectangular gas holder is the small strange masonry structure on the gable of the gasworks with its hipped & tiled roof. This has been a mystery as to its use, ie if it was a redundant chimney, the simplest way to roof over would have been to remove it above wall head and tile over. The fact that such effort & expense has went into the small roof suggests it was to cover the support beam to the gas holder as shown and therefor I have indicated by the hidden detail dashes its partner opposite. If a cylindrical gas holder had been in place then a minimum of 4 supports ie 2 beams forming a cross on plan would have been required to stabilise the floating holder.

Cottage demolished circa 1985

forge/cooperage

Dam



Photo, taken from Woodlands Rd. steps.

The gas manufacturing plant may well have been manufactured & installed by Henry Balfour & Co., Leven who commenced business in 1810 and by 1852

were advertising their expertise in the construction & installation of gaswork equipment including

distribution pipework.

coke, taken out, watered and removed in iron wheelbarrows to the place where it is stored. The gas as it is formed (mainly Hydrogen & Carbon Monoxide) rises up the dip pipe and flows along the hydraulic main "C" (water trap) where it deposits the particles of tar & Ammoniacal liquor which fall in to the tar tank "D".