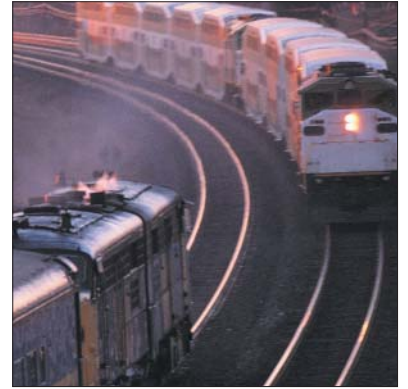


Lifting the load...



...in the railway industry

# Lifting the load...



railway cranes, tracklaying and maintenance equipment



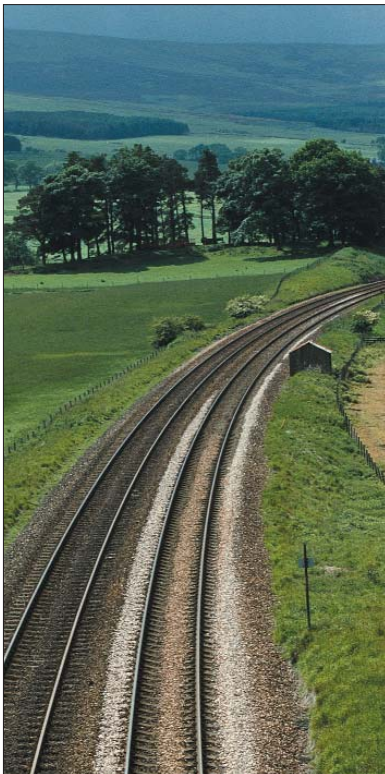
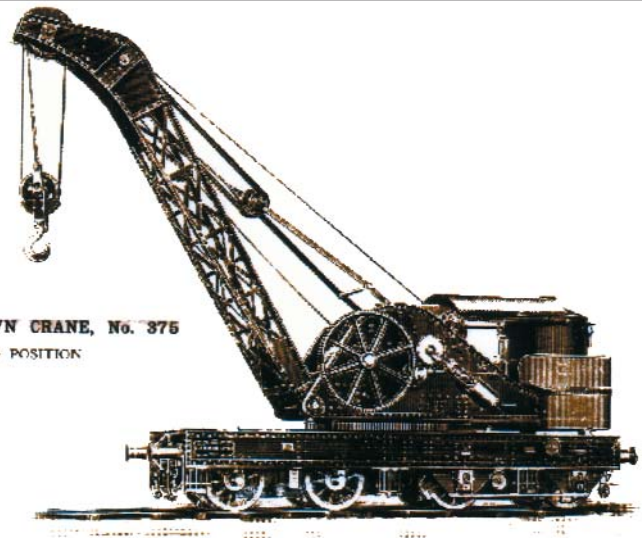




'...the name has been synonymous with the railway industry for over a century...'



30-TON STEAM BREAK-DOWN CRANE, No. 375  
CRANE IN WORKING POSITION



Cowans Sheldon built their first railway recovery crane in 1866. Since then the name has been synonymous with the railway industry. One customer reported at the turn of the century that their 19th century steam cranes were 'reaching the end of their useful life'. State of the art multi tasking cranes capable of travelling at high speeds, rail delivery and recovery systems and other track maintenance equipment engineered by Cowans Sheldon today, may well last as long!

Cowans Sheldon equipment



10 tonne rail crane. SAR

assists customers in providing an efficient railway system enabling them in turn to provide a better railway service to their customers.

# Lifting the load...

## Designs for any rail network...

A flexible approach to design and manufacture ensures that our equipment will operate on any network in the world.

- Breakdown cranes which will quickly rerail vehicles and clear the line for other traffic
- General purpose cranes for bridge and track construction

Whatever the requirements, we will design a machine to meet them. Our designs meet the most stringent environmental requirements and we are also certified to ISO 9001 and RAQ 2 (equivalent to AQAP 4).



80 tonne rail crane. Mozambique



*'...whatever the requirements, we will design a machine to meet them...'*

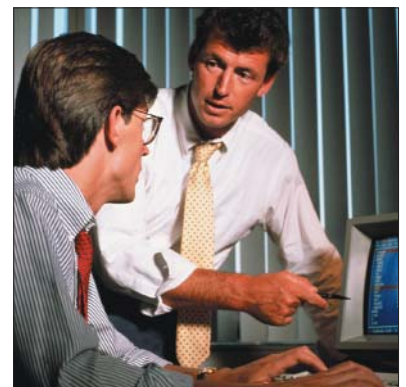
140 tonne crane. India

## Continuous product development...

Cowans Sheldon have a policy of continuous product development, incorporating the latest technologies to ensure safety and performance. Recently, a sophisticated Cowans Sheldon recovery crane, with the largest telescopic boom in the world, was delivered to the State Railway Authority of New South Wales in Australia.



110 tonne crane. Australia





## General purpose cranes



Cowans Sheldon general purpose cranes are economical and versatile, ideal for all types of track work, including replacing track panels, points and crossings, switch components and pre-assembling track.

*'...economical and versatile, ideal for all types of trackwork...'*



12 tonne general purpose placing a bridge section. Railtrack



80 tonne recovery crane. Zambian Railways

*'...gives maximum lifting performance in the most limited spaces...'*

## Multi tasking cranes



75 tonne crane undergoing test.

Our multi-tasking recovery cranes are used in a variety of applications such as:

- Railway accident recovery
- Bridge construction
- Track laying

There is a choice of strut or telescopic boom. The telescopic boom will give maximum lifting

performance in the most limited spaces such as tunnels and electrified areas.

Large over end outreach capabilities ensure that modern diesel locomotives can be lifted safely on a single line track.



# Track laying equipment...

Cowans Sheldon track laying equipment can be used on either single or multi-track systems. The equipment includes track panel gantry machines, twin jib track laying and long welded rail transportation and handling systems.



*Twin jib panel and sleeper cranes laying dual track sleepers. London Underground*

*'...used on either single or multi-track systems...'*



*Twin jib tracklayer*

## Long Welded Rail Delivery System

The Cowans Sheldon long welded rail transportation and recovery systems are the most advanced in the world, delivering 32 CEN60 type rails, 2 simultaneously either side of the train in lengths of up to 216 metres in a 3 hour possession period. In areas of heavy wear, the systems are capable of uplifting and transposing rail. Similarly, we can provide systems for the recovery of scrap rail of up to 18 metres in length along with sleepers, clips and other track debris.



*Long welded rail train laying rail*



*Rerailing*

## Rerailing

Rerailing equipment complements our range of recovery cranes. Lightweight, compact and easy to use, it is an ideal choice for difficult recovery operations.



*Single line gantries*

## Single Line Gantries

Cowans Sheldon TPG-18 single line gantries operate in pairs and are designed to relay a single line track or one of several tracks where only a single line possession is possible. Gantries are conveyed to site on a special stable wagon with the sleeper or panel train, and once at site are self deployed to run on pre-positioned long welded rails.

## Through life support...



75T crane originally supplied in 1975 arrives at works for refurbishment.



Cowans Sheldon cranes are robust and reliable and operate for many decades. In time it may be necessary to replace outdated equipment or increase payload capacity to extend the life and efficiency of the cranes. Cowans Sheldon specialise in overhaul and refurbishment on our own designs and those supplied by other manufacturers. The life extension programme carried out on five 75 tonne Cowans Sheldon rail cranes, originally supplied in the 1970's to British Railways, included an automatic safe load indicator to meet British Standard regulations, improved brake performance, a new power pack and enhanced floodlighting. These cranes now have 20 years, or more, of life with

improved reliability, safer performance and ease of maintenance.

Cowans Sheldon after sales service ensures quick procurement of spare parts and our on-site maintenance service includes preventive or remedial maintenance, overhaul, upgrading and refurbishment.



75T railway crane after refurbishment.

*'... improved reliability,  
safer performance and ease  
of maintenance...'*



railway cranes, tracklaying and maintenance equipment...



*...when space is at a minimum,  
we give you the maximum*



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