

Wright ahead

the Head Wrightson magazine



APPOINT- MENTS

SK Choksey *photo far right* appointed a director of HW Process Engineering Ltd London Division
A Hardisty *director*, appointed general manager Bramall & Wax Ltd
Dr TE Moody appointed company medical advisor
FT Nunnington *photo right* appointed sales director B&S Massey Ltd
IG Smith *director*, appointed general manager Bramwax Steels Ltd

NEW COMPANIES

Manchester Cold Forge Ltd is the name of a new HW subsidiary company located at Openshaw, Manchester manufacturing cold forged products mainly for the automotive industry.
Brown Bros (Metals) Ltd Head Wrightson has recently acquired the whole of the share capital of Brown Bros (Metals) Ltd which carries on business as stockists of bright drawn steel from premises in Hounslow and Hackney. It is intended to merge the business with that of Renown Simpson Steels Ltd our London steel stockholding company.

CHANGE OF ADDRESS

Two of our steel stockholding companies have recently moved to more spacious premises; their new locations are:

Alfred Simpson Limited
Bridge Street
Swinton
Manchester
England M27 1EL
telephone 061-794 4777
telex 668766
cables Simsona Manchester

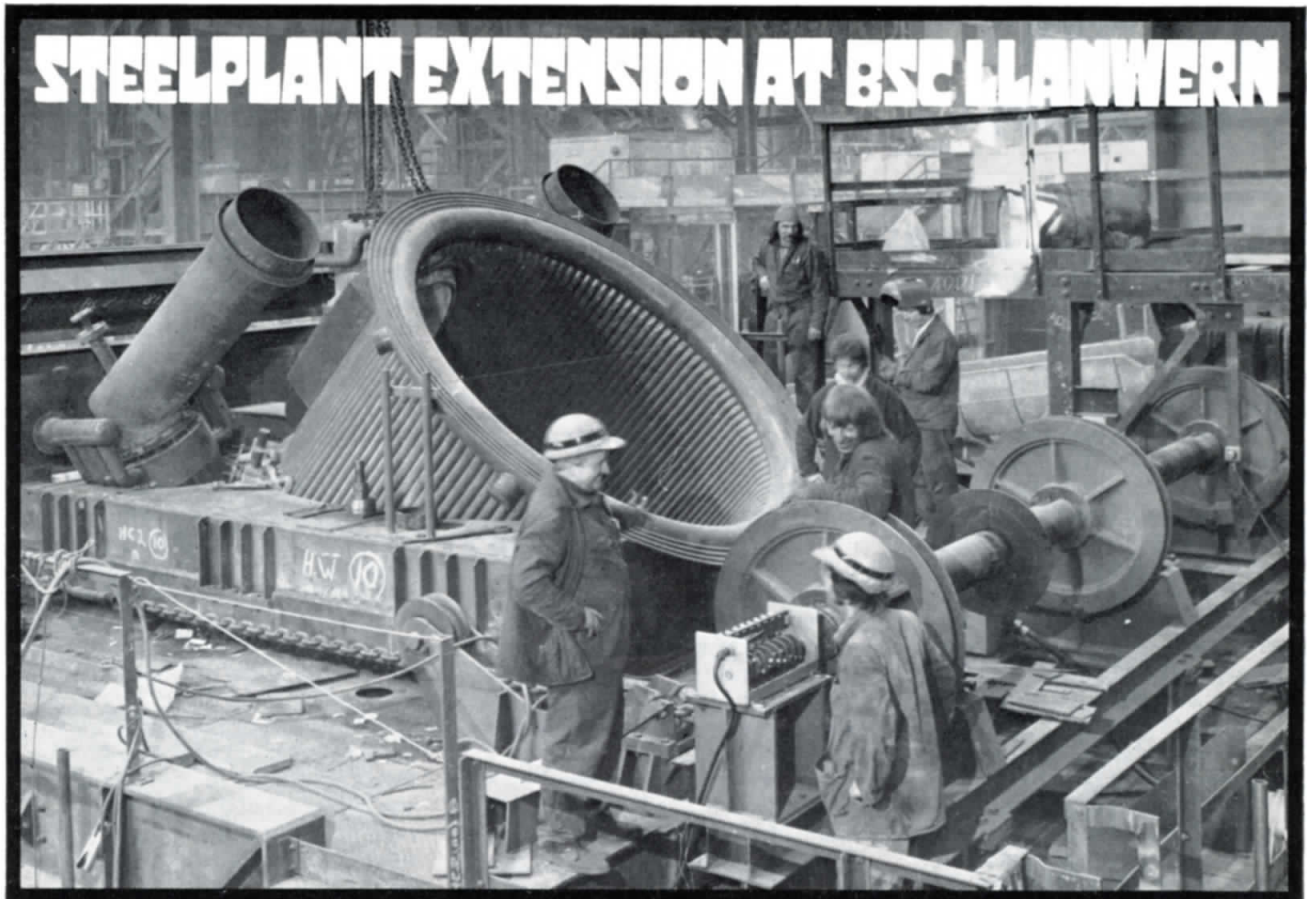
Renown Simpson Steels Limited
Nobel Road
Eley Estate
Edmonton
London N18 3BH
telephone 01-803 5561
telex 261075



Congratulations to Mr Frank Brown who was recently elected chairman of the Drop Forging Research Association at their annual general meeting at Kenilworth. Mr Brown is managing director of HW Stampings and is the immediate past president of the National Association of Drop Forgers and

Stampers. He has served the Drop Forging Research Association as council member for the past nine years and the last year as vice-chairman.

Photo shows Mr Brown being welcomed into the chair by Mr L Hewitt of George Turton Platt



In 1970 work was started by HWPEL in Thornaby on what was to prove one of the biggest demolition and rebuild jobs in a working plant ever to be undertaken by the British Steel Corporation.

The uprating in capacity of the BSC Strip Mills Division Llanwern Works requires the addition or replacement of every aspect of steelmaking plant from iron-ore handling through to steelmaking. This complex operation, known as Scheme C, is a major project in BSC's modernisation programme.

HWPEL involvement was to replace the three basic oxygen furnaces, together with boilers and gas cleaning plants, with three larger furnaces (of the Demag design and manufactured by HW Teesdale) complete with gas cooling stacks, water cooling system and gas cleaning plants.

As management contractors, HWPEL were responsible on behalf of BSC to carry out the design, purchasing, progressing and inspection and all these functions were initiated from the Thornaby office.

To carry out the function of demolition and rebuilding, HWPEL set up a management and construction office at the Llanwern works responsible to Mr R Mitchell, the project manager, and the work undertaken by this office covered for assembling the furnace after delivery by sea from Thornaby, the pre-assembly of hood carriage with winch systems, instrumentation and pipework in addition to the demolition and installation of the



top Prestressing of support tendons on BOS furnace by subcontractor employees
above Assembling no2 hood carriage in the charging bay April 1974

new equipment.

The first of three sections of the plant was shut down on 6 January 1974 and allowed to cool. The demolition, a formidable task in itself, was successfully achieved in 18 days and more than 1,000 tonnes of boiler steelwork, steam drum, cladding and pipework were removed during this time.

The task of installing the new equipment involved a lot of detailed planning and was programmed to take 86 days, which required 24-hour working and a great deal of intense effort by all the work force. Despite all the national difficulties which were prevailing at the time of this conversion, the first stage of the operation has been completed successfully and this was achieved by close liaison and co-operation between HWPEL and BSC.

At the time of writing, the first furnace has made 10,000 tonnes of steel and work is proceeding ready for the replacement of the remaining two furnaces.

CHAIRMAN'S STATEMENT

Results

The Head Wrightson Group of Companies had a satisfactory year in 1973-74. Group trading profits rose to £1,562,000 from £1,456,000 and profit after tax was £792,000 compared to £998,000. Earnings per share were 5.76p (7.27p).

The figures for last year included a profit of £308,000 on the sale of a short leasehold. There is no comparable item included in the results for this year. Apart from this special item, trading profit shows an increase of £414,000 (36%) and profit before tax an increase of £127,000 (11%).

We are proposing to raise the total dividends for the year by the maximum amount allowed under Stage 3 legislation. We are recommending a final dividend of 1.546025p per share which with the interim makes a total of 3.3075p, compared to an equivalent of 3.15p last year.

Although profits improved, there were certain events which caused them to be lower than they might have been.

Interest charges rose from £112,000 to £397,000 partly due to high rates of interest during the year and partly due to substantial investment. Had interest rates remained at the same average level as they were in the preceding year then the interest charge would have been reduced by £135,000.

Secondly, we had a most difficult year at the Iron Founding division of Head Wrightson Foundries Limited. I mentioned in my statement last year that we were expanding our business as makers of grey and ductile iron tunnel segments. Over the past eighteen months the effect of inflation on the principal raw materials of the Iron Founding division has been to increase the cost of these by over 100%.

Improved performance has enabled us to contain the overall escalation in costs at 50% but escalation of this amount is unprecedented and has resulted in heavy losses on two long-term fixed price contracts. Thirdly, the results for the year are

affected by the coal miners' dispute and the subsequent short-time working in December 1973 and January 1974.

Last year we reported on our plans for Stockton Precision Forge. 1973-74 turned out to be a difficult year in which to launch a new high technology project and we have made slower progress than we planned. We shall be watching the position closely this year because we did not achieve our budget last year and have only been able to forecast a break-even position this year.

All our costs have increased considerably over the year and although the most dramatic effect was at the Iron Founding division, increases in costs and the effects of Stages 2 and 3 have meant that profits have been adversely affected. Orders received during the year amounted to almost £44,000,000 and we have had significant further orders since then.

Cash flow

The statement of source and application of funds included in the Directors' Report shows that we put £1,557,000 into businesses acquired or expanded during the year and into investments outside the Group. These investments include new stockholding facilities in London and Teesside, the purchase of Pardor Engineering Co Limited of Dudley, whose business consists of repairs and services in the metal forming and steel industries, and our investments in British Nuclear Associates Ltd and through it the National Nuclear Corporation Ltd.

In addition we invested £626,000 in new facilities for existing businesses. This included the new factory for Alfred Simpson Limited at Swinton, Manchester, and the development of our riverside site in Middlesbrough. The move of Alfred Simpson Limited to the Swinton site is now complete and with the new equipment that we have installed will enable us to give a highly efficient service to our customers. The development of the riverside site in Middlesbrough will enable us to undertake more work for the North Sea oil industry as well as our traditional work on dock gates and harbour installations.

The amount spent on fixed assets for the remainder of the group was £1,167,000 which by itself is the highest ever spent in any one year and reflects the investment needed

in modern tools and equipment. The total effect was to increase borrowings by £2,342,000 of which £200,000 was borrowed from the Department of Trade and Industry and the balance from our bankers.

Steel stockholding

For some years we have been steadily changing the shape and structure of Head Wrightson. We have recently formed our steel stockholding and processing interests into a sub-group with Mr E V Davies as Chairman. This expanded sub-group had a most successful year in 1973-74 and 1974-75 has started well.

We are at present completing the purchase of Brown Brothers (Metals) Ltd, a bright bar steel stockholder in the London area, which business we will run together with Renown Simpson Steels Ltd. All the individual businesses within the stockholding group produced good results under the leadership of Alfred Simpson Ltd of Manchester. Sales continued to rise throughout the latter half of the year and are now buoyant although they will not necessarily remain at the current level.

Foundries and forges

I have referred to the problems of the Iron Founding Division and the slow start of Stockton Precision Forge. Both Head Wrightson Stampings and Steelcast had reasonable years somewhat hampered by slow trading at the beginning of the year in Steelcast and by troubled times and labour shortage at the end of the year at both. Order books are now satisfactory and we are looking forward to a good year.

Manufacturing

Head Wrightson Teesdale is a heavy plate fabricator with considerable machine shop and fitting capacity at Thornaby-on-Tees and Middlesbrough. Typical amongst the jobs they tackle are the three BOS vessels for the British Steel Corporation at Llanwern, fabricated at Thornaby and outloaded from the new riverside site to go by sea to South Wales. Another series of launches took place as dock gates were completed for Grangemouth, Scotland.

Teesdale's markets are buoyant but here again the improvement was a long time coming and we are

awaiting the next round of nuclear power station orders. Head Wrightson Teesdale has a most successful record of nuclear power sub-contracts.

The British nuclear power industry has come in for a great deal of comment in past months. It is perhaps timely to remember that the generating costs of existing nuclear power stations are amongst the most economical in the country. There seems to be almost universal agreement that nuclear generating capacity should be increased and it is frustrating to be able to add little to my statement of a year ago. B&S Massey Ltd had a profitable year and a good year for new orders. Just after the year ended, a large contract for Poland ensured two years' work load for our Openshaw works.

Massey has been continuing its technical progress with considerable success on up-dated hammer designs and presses but with some problems on the Rotaform.

Prospects look good with a wide spread of markets including Brazil, France, India, Romania and Spain. Grosvenor Steel Fabrications had a difficult year but is now in a better trading position although there are problems of steel supply and escalating costs which need careful control. We shall be seeking more finished products suitable for Grosvenor's capacity to lessen our dependence on the jobbing market.

Contracting

During the year we made important changes in HW Process Engineering Ltd and The Head Wrightson Machine Co Ltd. We appointed a General Manager to each of the HWPEL offices and we transferred The Machine Company's works to Head Wrightson Teesdale thus leaving The Machine Company solely as a design and contracting company. These moves were in response to growing markets and to the need to provide a flexible service to our customers abroad. We are now in a position to quote differing types of contract and continue to offer the full Head Wrightson manufacturing resources to our domestic customers, particularly the British Steel Corporation.

HWPEL has carried out a successful development programme with our Research and Development Division which has resulted in a contract for the design of a high capacity iron-ore sintering plant for the

Ravenscraig Works of the Strip Mills Division of the BSC.

HWPEL has also been continuing with our current contracts in Chile. We started this round of contracts during President Frei's term of office, then operated during President Allende's mounting difficulties and now find ourselves faced with the unfavourable attitude of our present government to Chile. We confidently expect that relations between the two countries will improve as Chile is able to return to a more relaxed style of government. One extreme has led to another and it is disappointing to find that our present administration is unwilling to help Chile back to the moderation she enjoyed before Dr Allende.

The highlight of the Machine Company's year was the completion and subsequent successful commissioning of a continuous wide strip pickle line at Ebbw Vale. This contract marked the latest accomplishment in a long record of supply as a contractor to the steel industry over a wide range of strip and tube plant. Prospects in this market are encouraging.

Overseas

Although their contribution to profits is not large our overseas companies are developing new markets for their UK colleagues as well as trading in their own right. Last year we formed a jointly owned engineering company in Brazil with the Villares group of companies. Villares Wrightson Engenharia is in São Paulo and has recently booked its first orders. We also formed a small company in Venezuela.

Staff

It would be untrue to say that we had no internal labour troubles last year. However, the greater part of the trouble that we did have was only a reflection of national or regional disturbances. We are actively seeking improvements in all our established methods of consultation in a determination to achieve participation by all employed in Head Wrightson. It is pleasing to record that we celebrated the 25th anniversary of our Employees' Council during November 1973. Our Sports and Social Clubs flourish.

Our thanks are due to all those who work for Head Wrightson at home and abroad. We have a good team and we intend to build upon it in

particular by increasing our cadre of professionally qualified engineers.

Prospects

Prediction is, as always, hazardous – perhaps for a capital goods engineer never more than today. Last year I began my last paragraph with the qualification: 'If the Government can keep the economy on its present course . . .'. Now our national course is uncharted whilst the phoney war between one election and another continues. Therefore, anything other than comment on our present position is difficult. Present circumstances indicate that we should have a much better year than last year. In the longer term it is harder to see what is going to happen despite the fact that your company is in good heart and steadily improving its performance. We had hoped that the old arguments as between what should be nationalised and what should not were over and that all parties would concentrate on making a success of the mixed economy broadly as it is. It appears that this is not to be. Your company is primarily a capital goods engineering company serving customers in a domestic market where a major proportion of fixed capital investment is made in the public sector. We are affected by any shifting in the boundaries between public and private industry. If the delays in investment which have followed past changes are a guide – as with the structure of the nuclear power industry – the effects can be serious.

Leaving aside this major unanswered question, the prospects world wide are good. There is evidence of increasing investment in steel at home and abroad. The chemical and petrochemical producers are going ahead with a much larger programme of new plant than in recent years. North Sea Oil is bringing us work as will the NCB's new programme, and our export prices are competitive. The Head Wrightson Group of Companies is also much better balanced than it used to be by virtue of its major interest in steel stockholding. In summary this year should be better than last and progress should continue into 1975.

John Wrightson

FINANCIAL REPORT 73-74

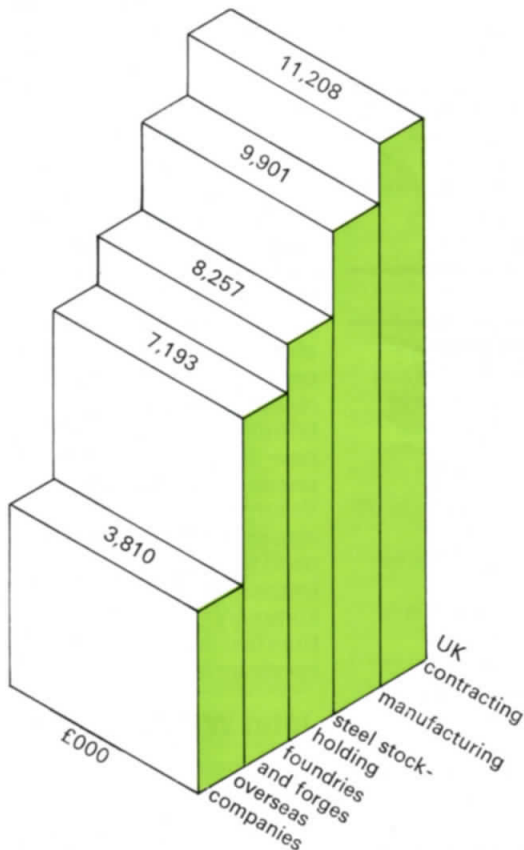
Group result

The financial result of the HW Group for the year ended 31 January 1974 was as follows :

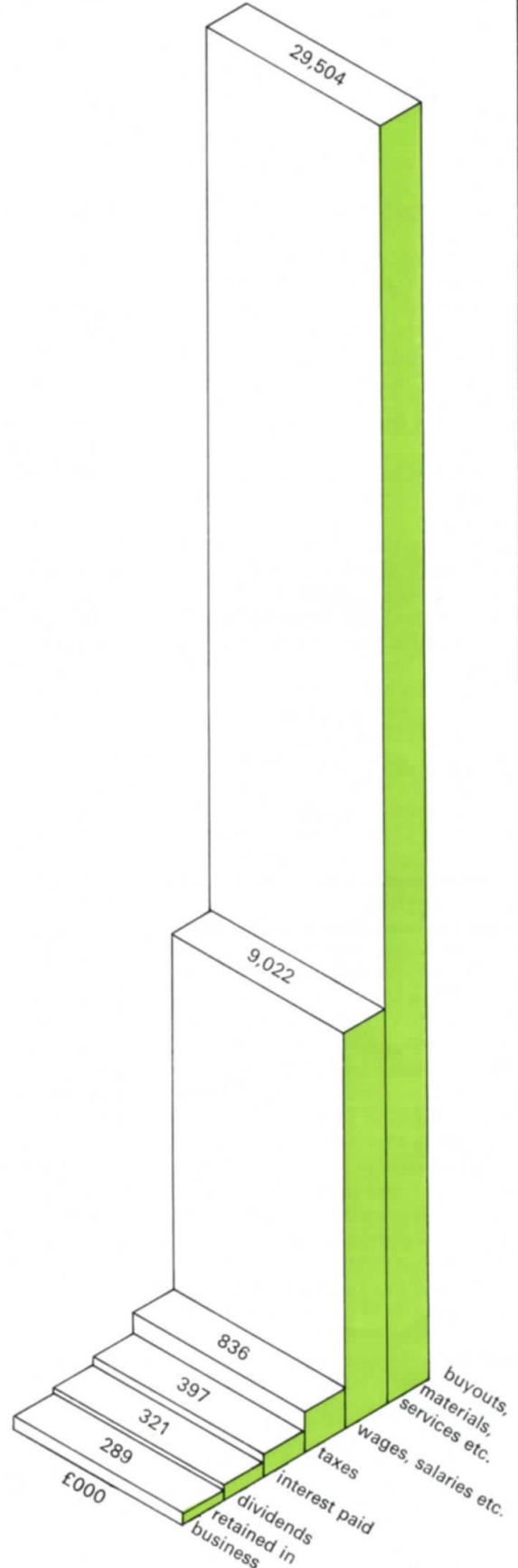
	<i>profit before tax £000</i>
UK companies	
contracting	373
manufacturing	898
supply	395
overseas companies	32
	1,698
differences on foreign exchange	111
other expenditure less income	(247)
	1,562
trading profit	1,562
interest paid	(397)
investment income	4
	1,169
profit before tax	1,169
tax	(377)
	792
dividends	(321)
retained profit	471
deferred tax adjustment	(182)
	£289

Where the money came from

The external turnover of the group was :

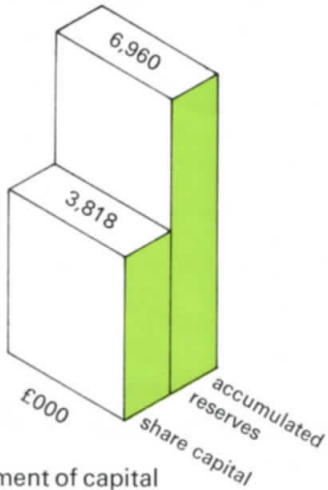


Where the money went

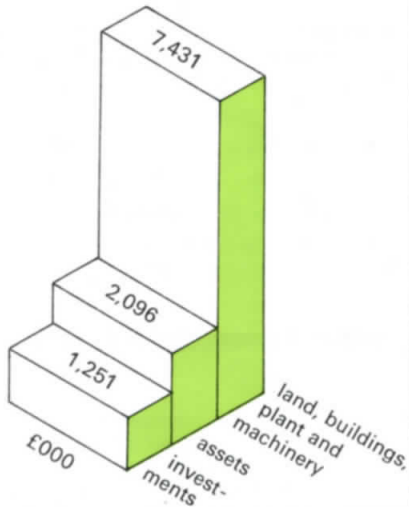


How HW is financed

Source of capital

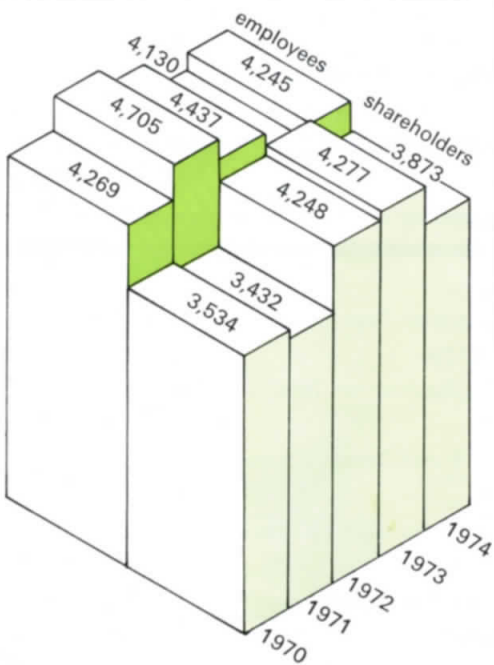
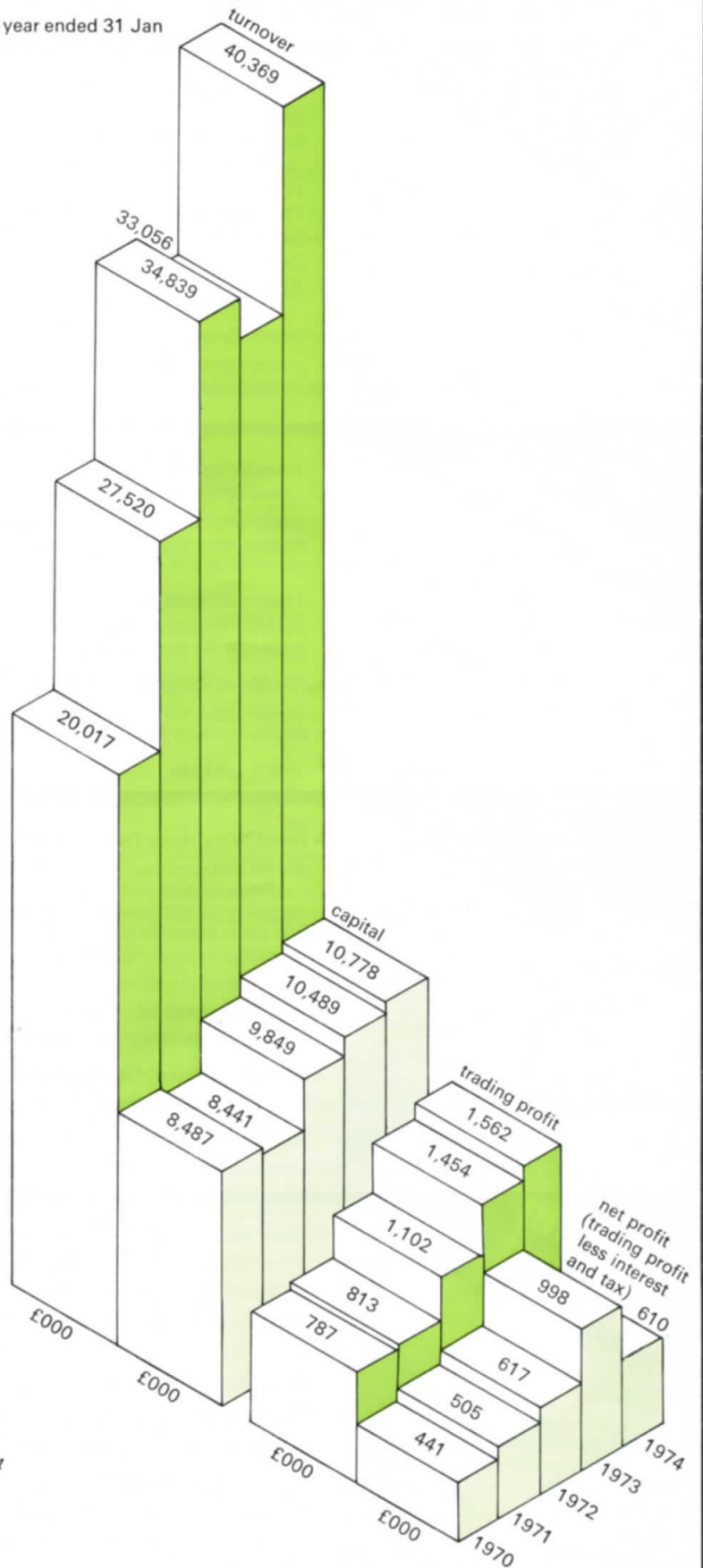


Employment of capital



5 years' statistics at a glance

year ended 31 Jan



HW ORGANISATION

The Friarage



Head Wrightson & Co Ltd Yarm Cleveland

directors

Sir John Wrightson Bt TD DL *chairman*

John Eccles *managing director*

W H Adams

The Rt Hon The Earl of Halsbury FRS

Sir Cyril Hawker

James Iveson

Alastair Morton

Head Wrightson (Management) Ltd Yarm Cleveland

group/administration/research and development

Contracting



Head Wrightson Process Engineering Ltd

Thornaby Division Cleveland

design and contracting : sintering plant/mineral dressing ore pelletising and non-ferrous metallurgical plant/coal preparation plant/incineration and composting plant/water and effluent treatment plant/fume cleaning plant

London Division

design and contracting : fume cleaning plant/heat exchange equipment/cooling towers/spray granulation plant

The Head Wrightson Machine Co Ltd Middlesbrough Cleveland

design and contracting : equipment for manufacturing steel and non-ferrous tubes and for working processing and coating steel and non-ferrous sheet strip and plate

Manufacturing



Head Wrightson Teesdale Ltd Thornaby Cleveland

design and manufacture : iron and steel works equipment/nuclear power plant/heat exchangers/dock and harbour equipment/special railway wagons/colliery plant/metalliferous mining equipment/drying grinding and classifying equipment/chemical and petro-chemical equipment/equipment for manufacturing steel and non-ferrous tubes and for working processing and coating steel and non-ferrous sheet strip and plate

• **B & S Massey Ltd** Openshaw Manchester

design and manufacture : metal forming machines and general engineering

• **Grosvenor Steel Fabrications Ltd** Audenshaw Lancashire

welded fabrications in mild steel, stainless steel and non-ferrous metals

Pardor Engineering Co Ltd Tipton West Midlands

repairs, modifications and supply of spare parts for steel and other process plants

Founding & forging



Head Wrightson Foundries Ltd

Steelcast Division Thornaby Stockton-on-Tees and Billingham Cleveland
carbon, manganese and alloy steel castings

Iron Founding Division Eaglescliffe Stockton-on-Tees Cleveland
tunnel segments

Head Wrightson Stampings Ltd Seaton Carew Cleveland

drop forgings in steel and alloys

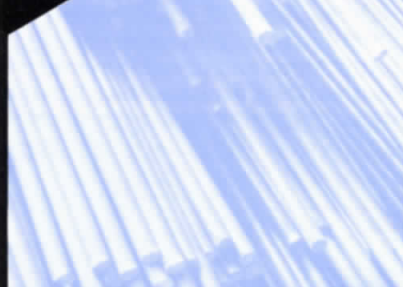
Stockton Precision Forge Ltd Stockton-on-Tees Cleveland

forgings produced by the Rotaform process

Manchester Cold Forge Ltd Openshaw Manchester

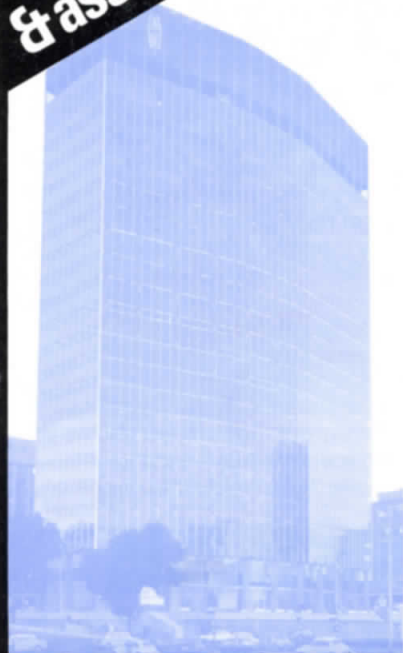
forgings produced by the cold forge method

Steel stockholding



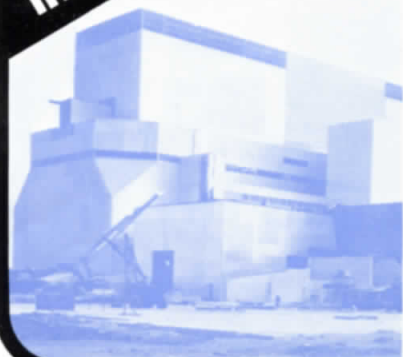
- **Alfred Simpson Ltd** Swinton Manchester and Cannock
processors and stockholders of stainless steel, bright and black carbon and alloy steels and corrosion resistant fasteners
 - **Bramall & Wax Ltd** Sheffield
processors and stockholders of stainless steels
 - **Bramwax Steels Ltd** Sheffield
processors and stockholders of carbon steels
- North Eastern Steel Stockholders Ltd** Stockton-on-Tees Cleveland
processors and stockholders of stainless steel, bright and black carbon and alloy steels and corrosion resistant fasteners
- Renown Simpson Steels Ltd** London
processors of stainless steels

Overseas & associates



- **Head Wrightson & Co South Africa Ltd** Johannesburg *registered in South Africa*
design and contracting
 - **Head Wrightson (Australia) Pty Ltd** Sydney NSW *registered in Australia*
design and contracting
- Head Wrightson India Ltd** Calcutta
design and contracting
- Head Wrightson (Sudamericana) Ltd** São Paulo Brazil
sales
- Head Wrightson de Venezuela Ltd** Caracas *registered in Venezuela*
management of a contract for the development of gold mining and refining facilities in Venezuela
- United Consortium (Chile) Ltd** Yarm Cleveland 50%
management of a contract for the development of copper mining and refining facilities in Chile
- Indein-Wrightson SA** Madrid *registered in Spain* 49%
design and contracting
- Villares-Wrightson Engenharia Ltda** São Paulo *registered in Brazil* 49%
design and contracting
- Taywood Wrightson Ltd** Southall Middlesex 50%
management of a contract for the construction of an aluminium smelter at Invergordon for British Aluminium Co Ltd

Trade investments

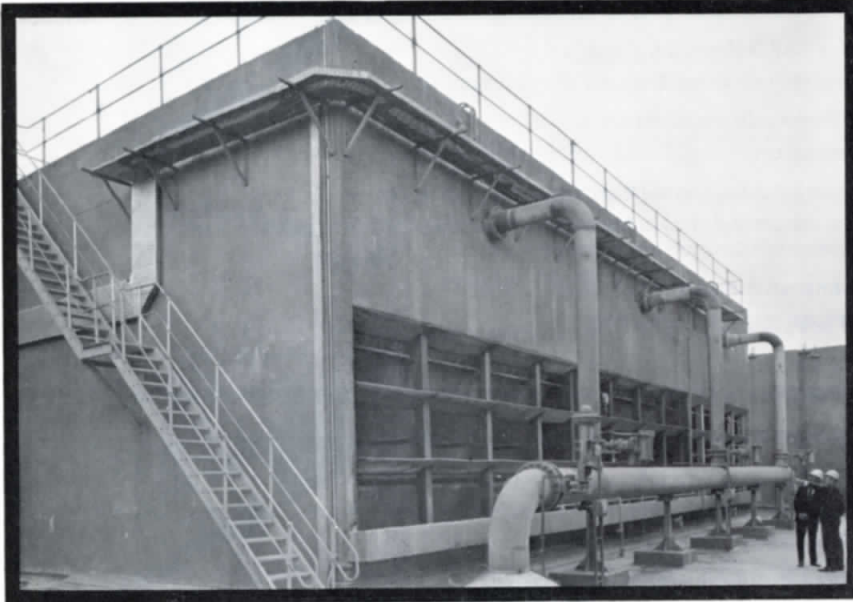


- British Nuclear Associates Ltd** London 8.57%
this company holds 35% of National Nuclear Corporation Ltd
design and contracting for complete nuclear power plants
- The Nuclear Power Group (Holdings) Ltd** Risley Cheshire 11.11%
design and contracting for complete nuclear power plants
- The Nuclear Power Group (H. H.-Holdings) Ltd** Risley Cheshire 14.44%
design and contracting for complete nuclear power plants

note

Subsidiaries are 100% owned by Head Wrightson & Co Ltd but the shares of those marked • are held indirectly through a subsidiary company. In respect of associated companies and trade investments the percentage shown for each company is the proportion owned by Head Wrightson & Co Ltd. All companies are registered in England except where shown.

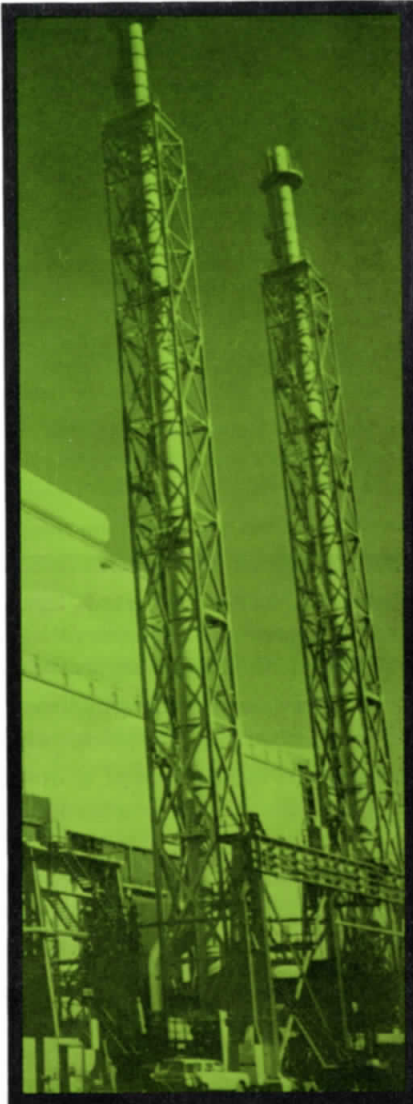
NEWS FROM OVERSEAS SOUTH AFRICA



Photograph *top left* shows a cooling tower installed by HW South Africa Ltd on top of the office block of the Carlton Centre complex, Johannesburg. This cooling tower is reputed to be the highest one in South Africa and possibly in the Southern Hemisphere, the sill height being 1926m. HW South Africa Ltd also installed the lowest tower in the world – underground at Western Deeplevels mine.

USA

Three prospective cowboys from HW Teesdale, namely Reg Underwood, Brian Lumb and Eric Lockney, are presently working with Automatic Drilling Machines Inc at Dallas, Texas, on automated oil drilling rig designs. They describe life in Dallas as somewhat hectic, but much enjoy the delightfully perpetual summer (70°-80°-90°F during the winter). However to offset the blue skies and sunshine they mention tornadoes, hurricanes, tarantula, black widow spiders, rattlesnakes, deserts and giant cacti. Photograph *far left* shows Reg Underwood climbing out of a hoist basket having been lifted off a drilling platform in the Gulf of Mexico. Photograph *bottom left* shows the rather precarious hoist basket suspended in mid air from the rig.



AUSTRALIA

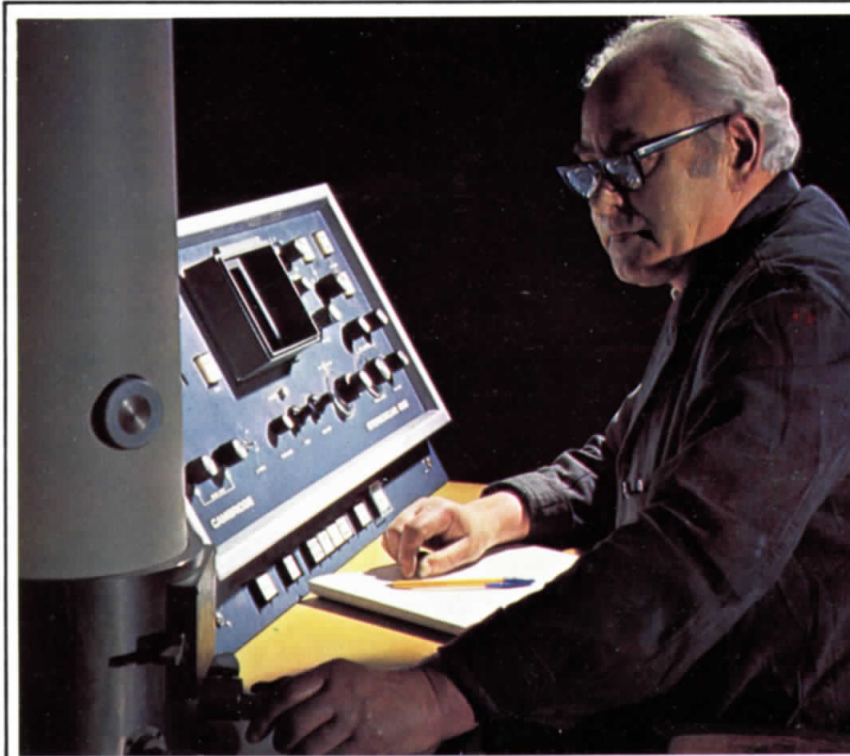
Two flare stacks *photo left* built by HW (Australia) Pty Ltd for the BOS plant at the Port Kembla works of Australian Iron and Steel Pty Ltd (photograph Goodyear Tyre and Rubber Co Ltd).



THE TIME FOR SAFETY IS ALL THE TIME!

HEAD WRIGHTSON

et in + Bulletin + Bulletin + Bulletin + Bulle



Scanning electron microscope for examining fracture surfaces

A highly advanced scanning electron microscope in operation in the Company's Research & Development Division at Thornaby. There are only about 100 of these machines in the world and its main application at Head Wrightson is in fractography or the examination of fracture surfaces.

Largest sinter plant exported from UK is commissioned in Brazil

A 12' wide sinter plant designed and supplied by Head Wrightson Process Engineering Limited to Companhia Siderurgica Nacional of Brazil is currently being

commissioned. The photo shows the ignition hood of a similar plant recently commissioned at the Corby Works of British Steel Corporation.



Major contract completed under NCB's current development programme

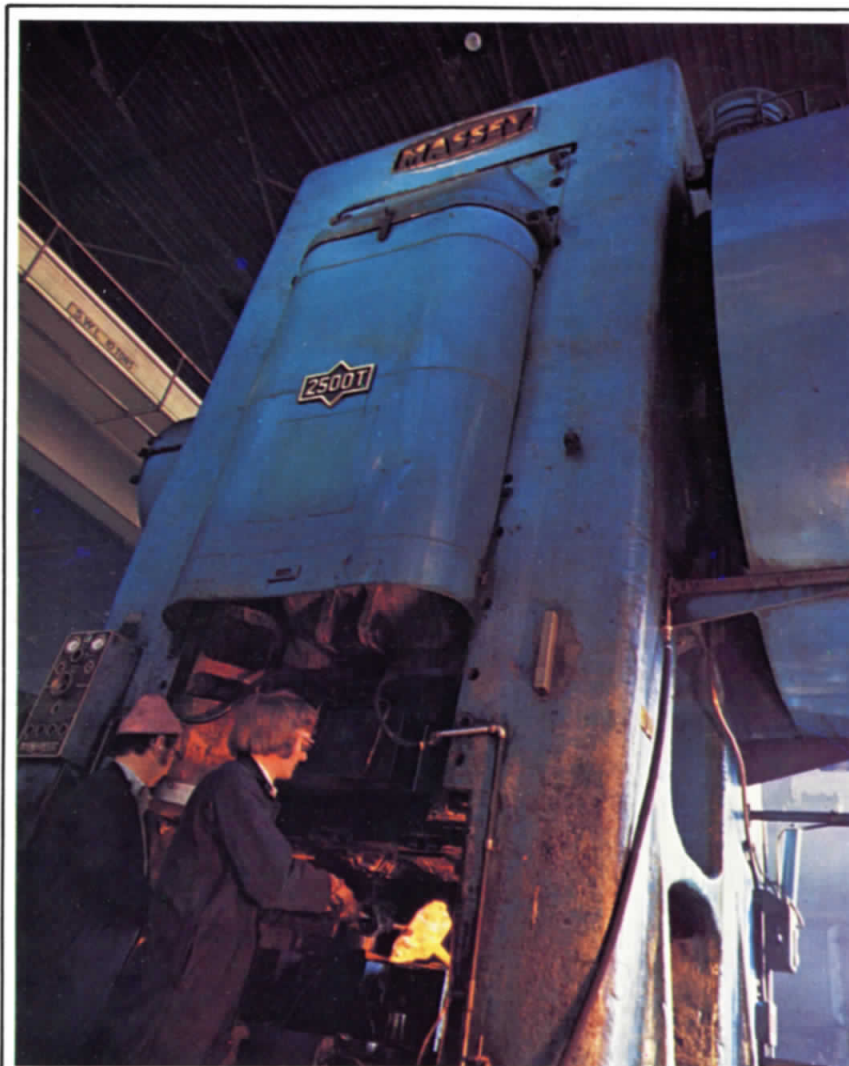
General view at the coal preparation plant at the National Coal Board's Silverwood Colliery near Rotherham in Yorkshire. Head Wrightson Process Engineering Limited have designed and commissioned an extension to this plant to re-treat 350 tonnes/hour of $\frac{3}{4}$ " to $\frac{1}{2}$ mm coal to produce high quality coking coal for use by the National Coal Board and the British Steel Corporation.



Precipitator for British Gypsum—an example of Head Wrightson's specialisation in gas cleaning equipment

An electrostatic precipitator supplied by Head Wrightson Process Engineering Limited, London Division to the East Leake Works of British Gypsum Limited.





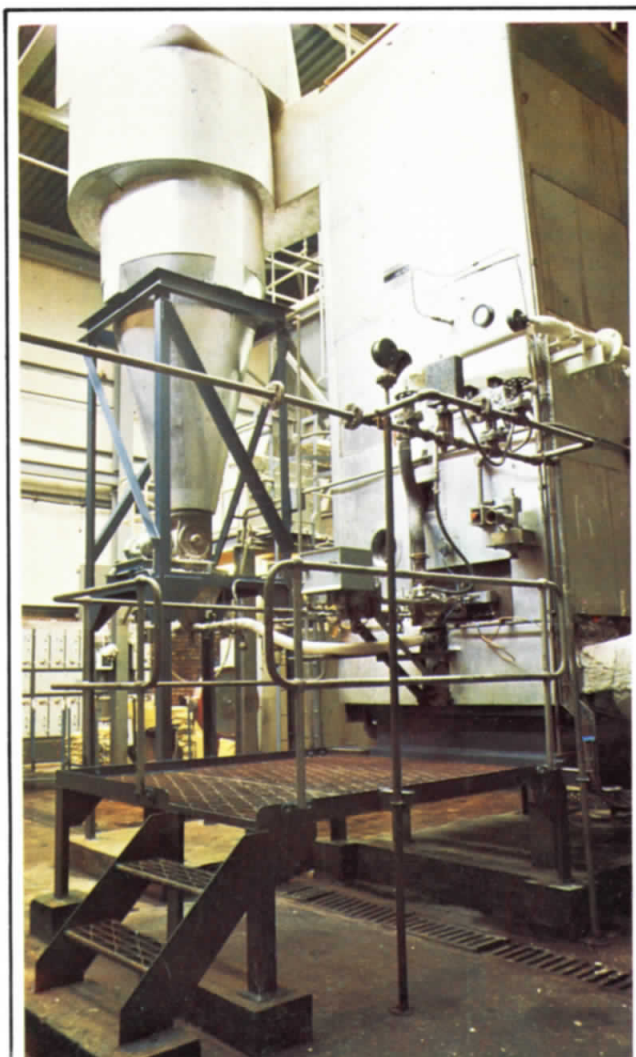
Massey High Speed Presses are part of major order for Brazilian forging company

A Massey high speed press similar to those being supplied by B & S Massey Limited, Openshaw, to one of the largest forges in Brazil, Sifco Do Brasil (photo by courtesy of Garringtons Limited, Newton Works, Bromsgrove).



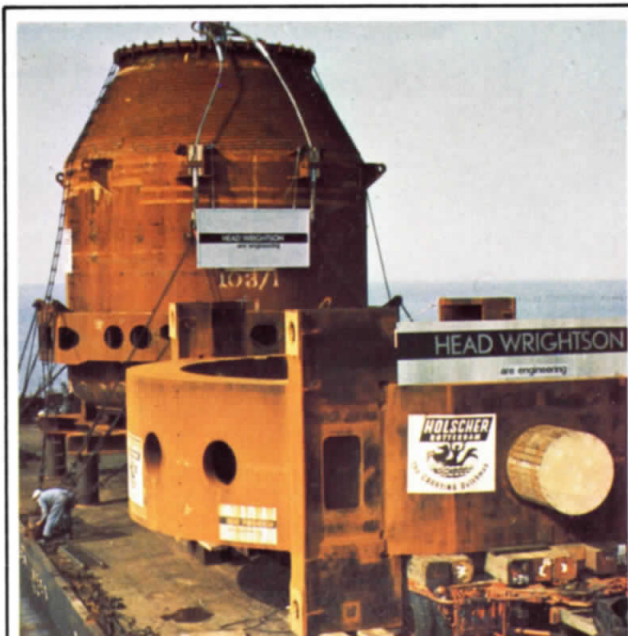
Effluent treatment plant for BSC designed and built by Head Wrightson

General view of plant designed and supplied by Head Wrightson Process Engineering Limited for the neutralisation of acidic waste from the pickling plant at the Whitehead Works of British Steel Corporation.



Unique granulator-order for Kodak is second in World

A Head Wrightson "Granulair" spray granulator plant at Kodak, Liverpool. This process which produces closely sized granules from a solution or slurry feed was developed by Head Wrightson Research & Development Division. A similar plant has recently been commissioned in Australia.



Last of 3 converters for BSC about to be shipped to South Wales

A 130 tonne basic oxygen steel making (BOS) converter manufactured by Head Wrightson Teesdale Limited, at the Company's Middlesbrough riverside site prior to shipment to the Llanwern Works of British Steel Corporation.

Head Wrightson & Co Ltd

Yarm
Yorkshire
England
TS15 9DA

Telephone : 0642 781010

Telex : 58-606

Cables : Teesdale Stockton-on-Tees

CARING FOR THE COMMUNITY

At first glance the Eggescliffe Comprehensive School seems to be what it is – a huge school complex that caters for approximately 1,500 children. But the ECS is a school with a difference – a difference brought about by the school staff, representatives from the local parish and rural councils, the Durham County Education Authority and the general public, some of whom are Head Wrightson employees.

For, in addition to its educational facilities, the ECS is involved in a pilot scheme which is relatively new to the area and certainly to the country as a whole; that of 'the shared use of school facilities by the community'.

Some Head Wrightson people have been directly involved with this scheme and Eric Hall *HW wages dept* was a member of the steering committee which met to 'look into the feasibility of shared use and all allied aspects leading to the formation of a community association based on the school complex'. There being no precedent for the scheme, the steering committee had no hard and fast rules to guide them and no previous experience on which to base their organisation. They merely relied on their own initiative and good advice from the education departments of Durham County, local community and youth associations and the ECS staff.

After a public meeting in March 1973, when the constitution put forward by the steering committee was accepted and the association officially named the 'Eggescliffe Community College Association', various activities commenced ranging from chess to cookery and karate to car repairs. Eric then a member of the management committee (and now chairman), became very involved with the organisation of these activities and has interested other people at Head Wrightson in this very live and exciting scheme.

Tony Court *on right in photo below, HWPEL cost office*, himself a black belt of karate, has a large and active karate section which meets regularly. Jim Gaffan from the maintenance department at Thornaby has run a car repairs class for the last two seasons, and Les Bell *photo bottom left, HW Teesdale industrial engineering department*, was a founder/instructor of the archery section.

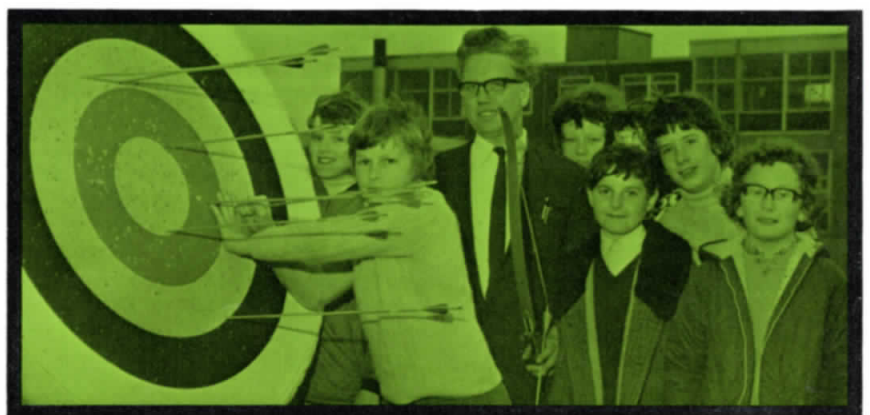
In addition to his committee responsibilities, Eric Hall is at present involved in organising small bore rifle shooting, fencing and outdoor survival and hopes that brass band, country dancing and typing sections will soon be started. Other activities already running include keep-fit for ladies ('Slim Jims Club') and men ('Fit Forties Club'), youth games, art society, bridge, tennis, badminton, yoga and netball.

The association has come a long way from being just an 'idea' way back in 1971 and with the recent re-organisation of local government in the area, it looks forward to an even larger membership and a wider range of activities.

It is hoped that future projects will include more academic subjects using laboratory and modern teaching aid facilities of the school and perhaps incorporating 'Open University' facilities. One thing is for certain, the scheme is a great success and whole families have now the opportunity to participate in any type of activity at present being organised – and at very reasonable cost. Membership costs £1 per year per family with individual section fees from 5p to 25p, and it is open to all ages between 11 and 99!!

Eric would like to hear from anyone at Head Wrightson either who is interested in starting up a section at the Eggescliffe Community College Association or who would like to join any of the sections currently running. He can be contacted on internal number 198.

photo bottom : Eric Hall assisting some young enthusiastic archers with target practice



RETIRE- MENTS



We wish each of the following personnel a long and happy retirement.

HW Foundries Steelcast Division

Billingham Foundry
JL Powley 34 years' service
Stockton Foundry
T Kenley 48 years' service
Thornaby Foundry
HH Marshall 51 years' service
J Trotter 13 years' service
G Waters 14 years' service
CW Woodhouse 40 years' service

HW Machine Co

SB Stone 35 year's service
TLD Thompson 34 years' service

HW Stampings

J Adams 15 years' service

HW Teesdale

A Flint 11 years' service
A Jackson 46 years' service
JE Nolan (M'bro) 19 years' service
JE Wallace 42 years' service

B&S Massey

J Foster 39 years' service
J Thornley 50 years' service
F Wall 33 years' service

HW South Africa

Mr Kenneth Hurst retired as technical sales manager for HW South Africa Ltd on 30 April. He will be reviving an old hobby that he started whilst serving as a REME Major during World War II, of sailing a 13m ketch among the Greek islands.

A presentation of a pair of binoculars was made to him by Mr Eric Brown *managing director* on behalf of his friends and colleagues at HWSA.

Massey presentations

Presentations were made at B&S Massey to Fred Wall of the production control department to mark his retirement after 33 years' service and to John Thornley *production manager* who received a gold watch to commemorate 50 years' service with the company.



Massey director

Mr John Foster *technical director* retired after 39 years' service with B&S Massey. Jack was in charge of the design staff which produced the high speed forging press in 1948 when PCN Pickworth was the technical director. When Lionel Wells retired in 1963, Jack succeeded him as technical director and during his term of office Massey introduced the Hydrostamp, use roller and wide ram trimming press to their range of forging equipment. The Massey counterblow hammer was designed by Jack and other technical developments investigated while he was director include automatic transfer systems

for press forging, automatic moulding machines and cold forging presses. The Rotaform which has now reached the proving stage was also initiated in the latter half of his jurisdiction.

We wish Jack every enjoyment in his retirement to the Lake District where he has built a house with a well-tooled workshop. In this he can pursue his life-long hobby of building model trains. Who knows, we may soon be riding on a Foster designed super hover-train!

top: left to right *EG Scrannage* works director, *Fred Wall*, *John Thornley* and *AJ Howard* director and secretary
 above: *Mr A Angus Thomas* managing director B&S Massey makes a retirement presentation to *Mr Jack Foster*



HW awards

The annual presentation of long-service awards was made by the chairman, Sir John Wrightson, on Wednesday 10 April.

The recipients were :

50-year award

RW Featherstone HWPEL
HH Marshall Thornaby Foundry
FW Shaw HW Teesdale
 Maintenance Dept
A Vickerson R&D Division
O Wynn Iron Foundry

40-year award

R Bennett Thornaby Foundry
JE Burton HW Teesdale
 Middlesbrough Works
WH Clark HW Teesdale Bridge
 Yard
GT Cox Stockton Foundry
H Cryer HWPEL
P Gaynor Thornaby Foundry
H Heatley Thornaby Foundry
F Hodgson HW Teesdale
 machine shop
E McCarten HW Teesdale
 machine shop
J McCarten HW & Co Ltd wages
 dept
TE Osborne Thornaby Foundry
T Rowland HWPEL
G Simmons Thornaby Foundry
JW Smith HW Teesdale DO
E Tunney HW Teesdale Bridge Yard
P Walsh Stockton Foundry
H Wilson HW Teesdale DO
SJ Wilson HW Teesdale DO
CW Woodhouse Thornaby
 Foundry

Grosvenor awards

The above photograph was taken at the presentation of long-service awards to three older members of Grosvenor Steel Fabrications Ltd, (left to right) Mr E I Ford managing director, Mr H Clayton, Mr GT Kirsopp former sales director, Mr J Hall, Mr J Hepworth, Mr W McKew works director.

left: the presentation reception at Thornaby below : recipients of the 50-year award



TRAINING NEWS



Miss Patricia Johnson, secretary to Sir John Wrightson and Mr A J Reed, was awarded a £5 book token prize at the Billingham Technical College for her good consistent work during the college term 1972/73 and successfully obtaining the London Chamber of Commerce private secretary's certificate.

Awards to HW Trainees 1973/4

At a presentation ceremony on 2 April the chairman, Sir John Wrightson Bt, presented certificates to 35 craft and technical trainees and two foundry trainees to record the successful completion of their basic training received through the HW training centre.

Mary Burton Trophy 1973/4

Also at the above ceremony Sir John presented to 18-year-old David Laverick the Mary Burton Trophy for the best apprentice of the year. David completed his first-year training in the HW training centre last summer and had glowing results from his technical college examinations.

The Mary Burton silver trophy is dedicated to the late wife of the donor of the award, Mr Arthur Burton, who retired from HW Teesdale in 1971. David retains the cup for one year and also received an inscribed tankard as a perpetual memento of the occasion.



Massey apprentice awards 1973 *photo opposite*

Congratulations to the following B&S Massey apprentices who successfully gained awards in 1973.

A Axon *machine shop* MECS 1
D Axon *fitting shop* MECS 1
PD Burrows *fitting shop* BECS
D Calvert *machine shop* BECS
AJ Cleary *machine shop* BECS
DL Constantine *machine shop* MECS 3
S Cross *machine shop* MECS 2
GW Deakin *fitting shop* BECS
K Furness *machine shop* MECS 2
S Hill *machine shop* MECS 2
A Howarth *machine shop* MECP 4
C Hutchinson *tool room* MECS 2
I Johnson *fitting shop* MET 3
JE Kelly *fitting shop* BECS
JR Lees *machine shop* MECP 4
P Livesey *tool room* MECS 1
S Maher *fitting shop* MET 3
R McPherson *machine shop* WCP 4
M Nield *machine shop* MECS 3
GP Norris *machine shop* BECS
DR Price *fitting shop* MECS 2
A Pritchard *fitting shop* BECS
CB Ross *machine shop* MECS 1
J Routledge *machine shop* MECS 1
E Saussehrd *machine shop* MET 2
K Singh *tool room* MECS 3
D Thomas *fitting shop* MECS 2
S Tobin *material control* MET 4
CA West *machine shop* BECS
A Williams *fitting shop* MECS 1
DM Wynne *machine shop* BECS

Certificates for first year 'off the job' apprentices

PD Burrows *fitting shop*
D Calvert *machine shop*
AJ Cleary *machine shop*
GW Deakin *fitting shop*
JE Kelly *fitting shop*
GP Norris *machine shop*
A Pritchard *fitting shop*
CA West *machine shop*
DM Wynne *machine shop*

Certificates for apprentices having completed HO2 turning 1 and H28 turning 2 modules

A Howarth *machine shop*
JR Lees *machine shop*
S Singh *machine shop*

Certificates for apprentices having completed their apprenticeship

B Airey *electrician*
D Bhaga *fitter*
A Pace *blacksmith*
S Tobin *millar*

Module training successes

Congratulations to the following trainees who have successfully completed training modules validated by the Engineering Industry Training Board (EITB).

Research & Development Division

D Tanner *electrical maintenance II* J 22

HW Foundries Ltd Iron Founding Division

J Hall *electrical maintenance Pt 1* J 2

G Tinkler *mechanical maintenance Pt 1* J 1

HW Stampings

I Banks *die-making* H 22

M Horne *electrical maintenance I* J 2

R Hudson *electrical maintenance I* J 2

D Hugill *mechanical maintenance I* J 1

HW Teesdale

Middlesbrough Works

MJ Barker *mechanical fitting I* H 3

JJ Cronesberry *turning I* H 2

DJ Durham *turning I* H 2

G Goodhall *turning I* H 2

K Hind *electrical maintenance I* J 2

PD Lawrence *turning I* H 2

DP Levett *mechanical fitting I* H 3

JR Proctor *boring* H 28

IP Wood *fitting I* H 3

HW Teesdale

Thornaby Works

A Agar *turning II* H 23

EJ Allsop *thick plate working II* D 21

SE Bromfield *mechanical fitting I* H 3

A Bulmer *manual metal arc welding* F 4

AP Cox *tungsten arc gas shielded welding* F 2

JC Dalking *thick plate working II* D 21

RR Fox *thick plate working II* D 21

E Darby *welding practices* F

TD Flavell *welding practices* F

D Godfrey *welding practices* F

I Jobling *mechanical fitting I* H 3

I Meddick *welding practices* F

SCG Metcalfe *turning II* H 23

E Spacey *tungsten arc gas shielded welding* F 2

GM Spedding *tungsten arc gas shielded welding* F 2

A Pattinson *mechanical fitting I* H 3

D Trippett *tungsten arc gas shielded welding* F 2

T Walters *general welding and cutting* F

M Wood *thick plate working II* D 21

G Wooding *welding practices* F

CHALLENGE '74



Do we want to see our Country die?
Let 'Goodwill' be our Battlecry
Make no mistake, we are at War
To beat 'Inflation - 74'

Stability to now achieve
Won't be won by selfish greed
All will have to 'give and take'
Industry a success to make

Let us act before it is too late
Wage and effort correlate
There's something we've all got to learn
There's dignity to Work to earn
Prosperity does not like 'Manna' fall
Into the waiting laps of all
Nothing in this World is free
Surely everyone can see!

A challenge to our way of life
Lower living standards, violence,
strife
Hi-jacked Aircraft, Postal Bomb
Was it in vain, His Cross, His Tomb?
Has Mankind become so blind
To see the mess he leaves behind?

Children growing up around us now
A better world could they endow
By effort, tolerance and love
For faith can mighty mountains
move

Let's give ourselves another chance
By work, our way of life enhance
Prove that we have got the guts
To lift our country from the rut
Be Great Britain once again
If hope and sanity remain

DR Tallet *HW Teesdale*

FIRST AID AWARDS



HW Stampings

At the recent annual general meeting of the Stockton and Billingham division of the British Red Cross Society, Mr Arthur DF Peare *assistant commandant and welfare officer of the Billingham detachment*, received his long-service medal from Mr F Stone *Durham branch director*.



Arthur, who is ambulance room attendant at HW Stampings, is also secretary of Billingham's mobile first aid unit, which is a caravan parked in the John Whitehead Park, Billingham and does valuable work in the community. Manned by volunteers of the Red Cross, it is opened during school holidays, the Billingham Folklore Festival, the Billingham Show, the Teesside Show and other events in the area. Last year over 300 cases were treated and 1,890 hours worked.

B&S Massey

S Chapman, K Hark and SG Jackson of B&S Massey passed their re-examination courses in first aid in industry and were awarded the St John Ambulance Association and Brigade certificates valid for three years.

Bereavements

It is with deep regret we report the deaths, as the result of a boating accident at sea on Sunday, 17 February 1974, of our Stampings works colleagues – Mr K Wild of Horden and Mr C Parker of Seaton Carew.

FOR AULD ACQUAINTANCE



Among correspondence received following the Silver Jubilee edition of *Wright Ahead* were two interesting letters from retired employees who wished to be remembered to their former colleagues.

Chas Arnison *HW Teesdale* of 3 Ingrove Close, Stockton, now 77 years of age, 47 of which were spent with HW. Chas started at the Forge in 1915 on munition work and in his letter he was particularly reminiscent of the welfare activities he organised at Teesdale: billiards handicaps; football trips to Newcastle and Sunderland at 2/6d return; a sick club; and during the last war a fund to send small gifts to HW personnel serving in the forces. Chas ended his letter 'as ye sow so shall ye reap'.

Guy Hillaby *HW Machine Co* of 21 Tom Hall Court, Bedale Yorkshire, now 79 years of age, started his letter 'having perused the Jubilee copy of *Wright Ahead* I have gone all nostalgically retrospective, as I recall the diligence with which we collected items for the first issue'. He continued, 'Alas, the old order changeth and giveth place to new, many of the old names have vanished and the new ones don't ring many bells, but I still look forward to receiving my copy of *Wright Ahead*.'

In addition, **Arthur Jackson** *HW Teesdale* wrote to us on his retirement to Australia. Arthur started at Teesdale in 1928 as an apprentice fitter, and stated 'God help the apprentices of today if some of the old type works managers were about now'.

Arthur asked if he was entitled to qualify to be a HW Stalwart. He joined the works first aid group in 1936 (his father had been a member all his working life). During the war he was a member of the HW fire brigade and also the works bomb disposal squad, consequently he possessed both a Home Guard uniform and a National Fire Service uniform. He recalled many of the jobs he had worked on during his career at HW – the Waterloo Bridge, the cantilever rolling lift bridge at Swansea, the first automatic scale transfer car, the first 1,000-ton Treadwell ladle car and the Machine Co products such as drawbenches which started their life at Teesdale. In closing he stated 'I have enjoyed it all and send good wishes to everyone at HW.'

Editor's note:

Yes Arthur, you do qualify to be an HW Stalwart as indeed was your well known father – 'Allnight Jackson'. All the best for your new life down under.

We reproduce a photograph from the family album of the HW fire engine and members of the brigade 1938-1966.

back row left to right *Harry Cuthbert, Fred Close, Bill Wallace, Joe Dickenson, Manny Boyd, Arthur Jackson, Tommy Harper*
front row left to right *Alf Waton, Dave Littlewood, Harry Soppet, Charles Littlewood, Syd Duckett*

NEW COUNTIES OF ENGLAND

On the 1 April this year 1390 local authorities in England and Wales were replaced by 422 new county and district councils which was the biggest reorganisation of local government for 80 years. Perhaps the map illustrated will be of help and interest to readers.



- METROPOLITAN COUNTY**
- 1 MERSEYSIDE
 - 2 GREATER MANCHESTER
 - 3 W MIDLANDS
 - 4 W YORKSHIRE
 - 5 S YORKSHIRE
 - 6 TYNE AND WEAR

HW ARTIST ACCLAIMED

Ray Wade HW safety officer recently received acclamation as an artist when some of his paintings were on display at Thornaby Pavilion. Oil painting on canvas, mainly landscapes, is a new-found hobby of Ray's, yet his exhibition has received admiring interest from visitors to the library. As Ray said, 'if the pictures brought a little pleasure to some people then I am more than happy, because they have given me hours of pleasure and happy relaxation'.

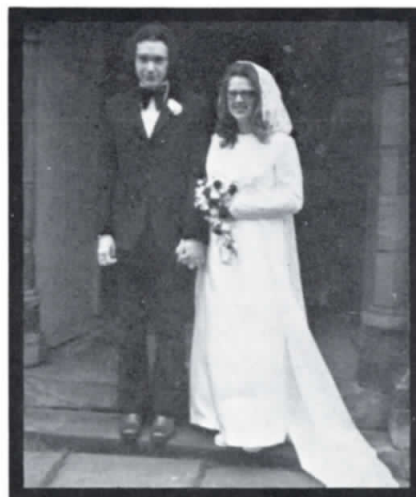


BEST WISHES



below left : Mr Brian Longhorn patternmaker Steelcast Billingham and his wife Pauline.

below : Mr Stan Douthwaite HWPEL drawing office and his wife Susan HWPEL telex operator.



HW WORKS BAND CONCERTS

Saturday 20 July 3 pm
Victoria Square Middlesbrough

Sunday 28 July 3 pm
Guisborough

Sunday 11 August 3 pm
Redcar Promenade



Herbs and spices and all things nice!

What do you know about the herbs you use? Very few people know from whence they came and for what purpose they are used so why not find out? An A-Z of Herbs and Spices! Here are the first:

ALLSPICE: This delicately fragrant spice tastes like a blend of cinnamon, nutmeg and cloves. **Whole** – use in pickles, meats, boiled fish and gravies. **Ground** – use in puddings, relishes, cakes, pies and in many vegetables.

BASIL: A herb of western Europe, tasty in soups and excellent for flavouring tomato dishes and pastas. Excellent with peas or string beans.

BAY LEAVES: From a laurel tree growing in eastern Mediterranean countries. Use for pickling in stews, soups, fish, sauces, gravies, vegetables and in tomato recipes. Excellent in meat and seafood cookery.

CARAWAY SEED: From northern Europe, especially Holland. Use in bread, loaf cake, cheese spreads and in casseroles. Sprinkle on rolls, sauerkraut, cabbage, turnips and asparagus.

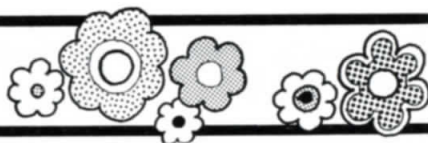
CARDAMOM SEED: From Ceylon or Guatemala. **Whole** – (a pod containing tiny seeds) for pickling; **Ground** – spicy flavour in many recipes. Sprinkle on iced melon. Use seed in coffee.

CHERVIL: Native to eastern Europe. Has a fresh yet spicy taste. Use in salads, mashed potato, scrambled egg, potato salad.

CHIVES: Belong to the same family as onion, leek, garlic and shallot. Grass-like leaves have taste of onion. Use chopped to flavour cream cheese, mashed potato, salads, omelettes and with tomatoes.

CINNAMON: Spicy bark of oriental trees. **Whole** – for pickling, preserving, in stewing fruits. Stir coffee, tea and fruit drinks with cinnamon stick. **Ground** – for baked goods, cinnamon toast and desserts.

LADIES LOOK-IN



Walking through the No 1 drawing office of HWPEL Thornaby Division you can't fail to notice a pleasant, cheerful face smiling up at you from the drawing board. Her name is Eva – Eva Coulson, and she just happens to be the only woman tracer at Head Wrightson.

I came across Eva sitting in a sunny corner of the very large, airy drawing office with potted plants by her side and fitted carpet under her feet – a sign of recent improvements made to some of the offices at HWPEL. The fact that Eva is the only woman in an office full of men does not seem to worry her at all, and one can see immediately that she is very much at home in her surroundings and is admired and respected by her colleagues.

Eva's career at HW goes back to the days of the old Stockton Forge when she started as a tracer under the guidance of her friend Tommy Rowland, only recently retired from HWPEL. Before that time, Eva served her five-year apprenticeship as a tracer at Ashmore's. Whilst at Stockton Forge, she met and married her husband John, who now works at HW Teesdale. Working hard, Eva enjoys her job and her presence in the office adds



just a little feminine charm to the otherwise very masculine environment! We are proud of you Eva and of the work you do. It is pleasing to know that we have someone from the fairer sex waving the flag from amidst the drawing boards! Anyone else who works in similar circumstances? We'd love to hear from you.

Dorothy hits the headlines

This is Dorothy Gunn – yet another lady from the Thornaby steel foundry at Head Wrightson who was recently featured in the Evening Gazette as doing 'a man's job in a man's world'.

Dorothy joined HW in 1959 and has been operating a shell moulder for quite some time. The job involves some fairly heavy lifting which, under normal circumstances, would be done by men, but Dorothy is no frail thing! She puts a great deal of effort into the job and gets a lot of enjoyment from her work.



Mementoes of summer

At this time of year the countryside is ablaze with the bright colours of wild flowers growing in fields, along road-sides and on hill-tops. Many people, particularly women, are keen collectors of wild flowers and go to great lengths to try and preserve them in the best way possible. They may often have found that pressing wild flowers between the pages of a book distorts the shape and the colours fade.

A book called 'Flower Pressing' by

Peter and Susanne Bauzen deals with this subject in very good detail. It shows the correct way to press flowers; when to pick flowers and how; what to watch out for; and how to make a collector's press from cardboard, ribbon and paper. It also gives examples of how to use pressed flowers to liven up objects like place mats, table tops and trays. This book costs £1.05 and is part of the Little Crafts Book series published by Oak Tree Press, Ward Lock Ltd.

A LYKE WAKE DIRGE

The renowned Lyke Wake Walk covers a route of about 45 miles of ragged North Yorkshire moors from Osmotherley to Ravenscar. This ode was written in commemoration of an overnight crossing of the Walk by a group of HW Machine Co personnel. A guide to an East-West crossing

We are the Lyke Wake walkers ;
We tramp o'er moor and fell.
We set off in bright spirits
Thinking all will be well.

From Ravenscar to Helwath
Seems like only a stone's throw,
And someone cheerfully mentions,
'Only 37 miles to go.'

Our dear old friends, the Army,
Do their best to guide our trek,
And lead us on due westward
To cross the Jugger Beck.

Across the Burn Howe heather
We find it quite a slog,
And nearly lose our leader
As he steps into a bog.

'O Lilla Howe come quickly,
And let us see the sight
Of 'golf-balls' on the hillside,
Showing the world's sorry plight.'

Ellerbeck seems eerie
With the humming in the air,
But Simon Howe now beckons,
'Come on, we'll soon be there.'

The darkness crowds around us
As we drop to Wheeldale Gill.
We rest awhile and marvel
At the stars, so calm and still.

Perhaps one of us is past it,
Or his mind has gone astray ;
He thinks he hears soldiers
Marching along the old highway.

And now the part we fear most,
Wheeldale Moor at night !
Our compass leads us forward
Right to a frightening sight.

Blue Man rears up before us
With his fixed stony stare.
'O morning glow where art thou ?'
Seems to be our silent prayer.

Soon the daylight greets us.
Hamer House is here somewhere.
'We'll have breakfast in the kitchen.'
But, 'tis a castle in the air !

And now to guide us on our way
Another track we find.
A pleasant walk on springy peat
Leaves Hamer far behind.

A metalled lane to Ralph's Cross ;
Old Margery's down the road.
She looks forlorn and lonesome
In such a rude abode.

And so on down to Esklets.
The bogs are all around.
With boots so full of water,
There's such a squeelching sound.

No railway lines to Blowath ?
Has Beeching been this way ?
With 5,000 Dirgers every year
You'd think 'twould surely pay.

At last a break, but not for us ;
A fire once burnt the ground.
The smuggler's track beneath our feet
Gives back an ancient sound.

Westward, ever westward,
Across Urra Moor we go.
With feet now sore and blistered,
Our progress seems so slow.

Hasty Bank ! Huh, that's a laugh,
As we stagger up its slope.
But the sight of Teesside's chimneys
Seems to give us all fresh hope.

Cold Moor, Cringle, and Carlton.
Each one wears us out.
Should anyone now falter
He'd have no strength to shout.

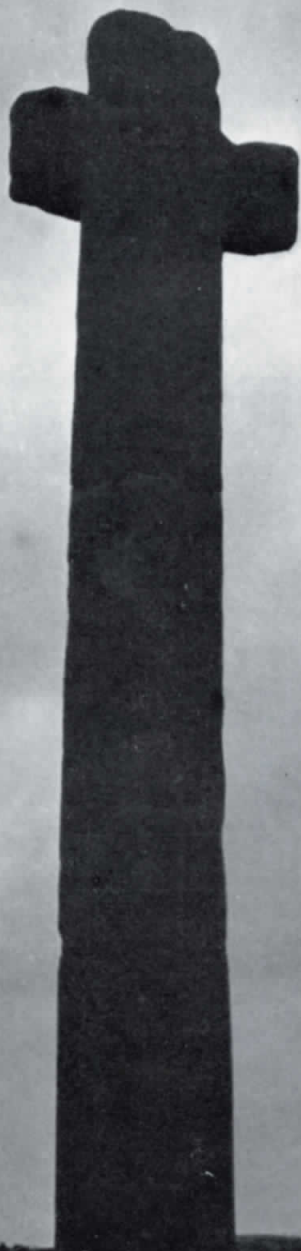
Oh why can't it end in Scugdale ?
It seems such a pleasant spot.
If I fail to make the Trig Point,
Bury me here ; leave my bones to rot.

Across a sun-lit meadow ;
Along a sun-burnt track ;
Only a mind gone crazy
Would dream of going back.

The final hill approaches ;
Our legs feel out of joint.
Who was the fool who stated
You must end at the highest point ?

Our loved ones wait to greet us
But only stand and stare.
Surely these bog-stained creatures
Aren't the one's for whom they care !

O the joy of a successful crossing.
Guess our folks think we are queer.
Someone is already talking
Of doing it again next year !



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