



100 Years of Engineering



Our 100 Years

THIS BOOK portrays in story and its illustration the progress of our firm from foundation in 1859 to the present year of grace 1959.

In those hundred years the name of Pratchitt Brothers Limited, has grown in prestige throughout the Engineering world. In its career through peace-time and two wars it has achieved many manufacturing and constructional successes and received much business appreciation.

Today we are on the lists of the Admiralty, War Office, Ministry of Supply and Crown Agents for Overseas Governments and Administrations.

We are also proud to record the granting of the Royal Warrant of Appointment by their late Majesties King Edward VII and King George V, for Pumping Installation Work carried out at Sandringham.

We trust that in recording our Centenary, not only in its engineering values, but also in its parochial associations with the grand City of Carlisle, readers of the following pages may find much of historical and attractive interest.

PRATCHITT BROTHERS LIMITED

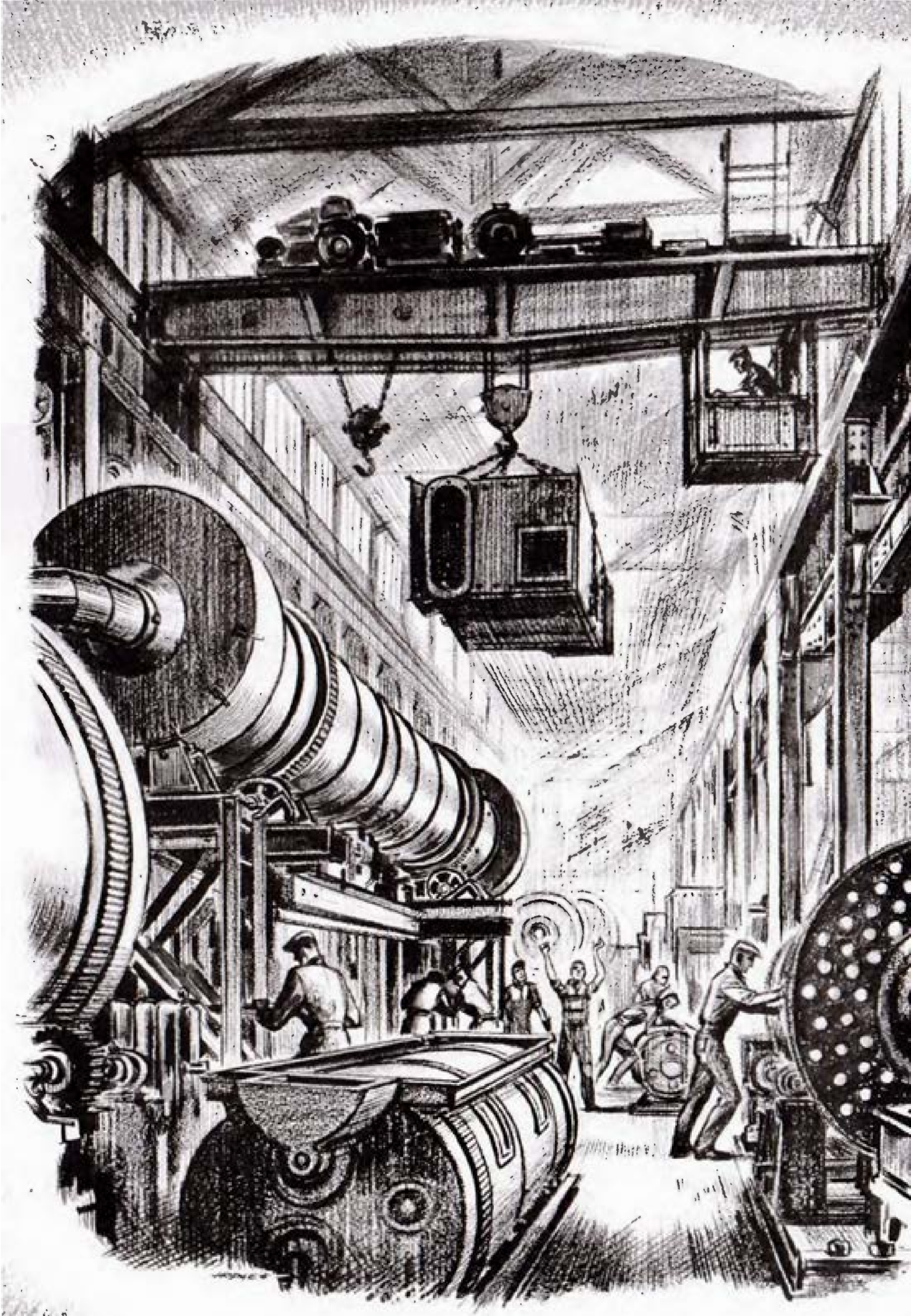
Engineers and Ironfounders

DENTON IRONWORKS, CARLISLE

and at LONDON and MANCHESTER

TELEPHONE: CARLISLE 24205/6

TELEGRAMS: PRATCHITTS, ENGINEERS, CARLISLE



Illustrating a section of a construction bay at the Pratchitt Works, Carlisle.

Message from the Chairman

In 1859 the firm of Pratchitt Bros., General Engineers and Ironfounders, came into being at Denton Ironworks, Carlisle. I trust the following pages of this Centenary booklet will prove interesting, as we have attempted to show some of the diverse types of plant which can be produced, and the services which we can offer in our capacity as general engineers, millwrights and ironfounders.

Formerly, Pratchitt Bros. were mainly interested in the design and manufacture of engines, boilers, pumping equipment and general engineering plant supplied to local firms in the Cumberland area and North of England, Public Utility Companies and Government Factories, the late Mr. W. M. Pratchitt having held Royal Warrant from his late Majesty King George V in connection with the supply of pumping equipment.

Today the field of activities has been considerably widened to include a wide range of chemical process equipment, drying plant, timber impregnating plant and plaster making plant, etc., to fit in with the industrial expansion at home and abroad which has taken place over the past fifty years or so.

We look forward with confidence to continuing to serve the needs of our many customers and to making new friends in the future.



L. A. MITCHELL, A.M.I.Mech.E., M.I.Chem.E., M.I.Ste.

L. A. Mitchell

Our Founders



WILLIAM PRATCHITT
Founder
1833-1908



JOHN PRATCHITT
(Brother to William)
1834-1916



WILLIAM MONKHOUSE PRATCHITT
(Son of William Pratchitt)
1883-1958

The Present Board

L. GRAHAM ▶
Director and Secretary



◀ G. R. KENNEDY
Director and General Manager

A. R. WELDON ▶
Sales Director



100 Years of Engineering

A CENTENARY of achievement, progressively successful since those early days of 1859, when two pioneer craftsmen joined in the founding of an engineering enterprise, which was destined to grow into the present-day firm of Pratchitt Brothers Limited, of Carlisle, with offices in Manchester and London.

Here then is the *Pratchitt Book* . . . our book of history, sketching the lives of the founders of our firm, the engineering work and servicing we have accomplished through the passing years between 1859 and 1959, something of the Directorate, Executive, and staff who control today's contracts, and illustrating the outstanding products from our plant. Let us then travel back to the beginning and to our founders.

William Pratchitt, son of an old Cheshire family, was born at Chester, on the 24th February, 1833. Educated at Chester College, he was at the age of sixteen apprenticed to Messrs. Benjamin Hick and Son, of Bolton, with whom he remained for ten years. During his apprenticeship, he was employed for some time in Liverpool, also in the works of Charles Cammell & Co., Sheffield.

For several months during his apprenticeship he lived in Blackburn, where he made all the drawings for the new mill and weaving sheds of George Whiteley and Sons, one of the largest works in the town. A great quantity of the machinery required for the extension of the Royal Establishments, caused by the Crimean War, was supplied by Messrs. Hick and Son, of Bolton, and William Pratchitt became their manager at Woolwich Arsenal, holding the position for two years.

During his period as manager, he engaged in the completion of much work at the Arsenal itself, also at Deptford, Sheerness, Chatham, Enfield, Waltham Abbey, and many other London districts. At the end of the Crimean War he returned to Bolton, and to Messrs. Hick's headquarters, soon to conceive the idea of becoming his own master.

So to the threshold of the Pratchitt Brothers centenary, the year 1859, when William Pratchitt travelled north to meet John Blaylock, of Carlisle, and with him to found the original firm of Blaylock and Pratchitt, with their business

centre at the Long Island Ironworks, Carlisle.

John Blaylock, son of a famous Carlisle clockmaker, William Blaylock, whose clocks (made in the early eighteen hundreds) are sought by collectors the world over, had come to some prominence in the engineering world at that time, having produced the original stamping and dating machines used by the comparatively recently formed railway companies in their booking offices.

The inventor of this machine, a man named Edmondson, was in the employ of the railway company at Brampton, and John Blaylock obtained by agreement a contract for the sole right to manufacture this new (and for those days) up-to-date device. These machines continued to be manufactured by Pratchitt Brothers up to the outbreak of the Second World War, as were the later railway ticket printing machines.

The first catalogue issued by the firm is now a museum piece, and a very interesting one, and it offers Vertical Fixed Steam Engines and Portable Steam Engines (models varying from 4 to 20 Horse Power). These steam engines have given stalwart service and some may still be working to this day. This early catalogue also publicized Portable Grinding Mills, Saw Benches, Traction Engines, Water Wheels and Turbines, Agricultural Machinery in the form of Liquid Manure Pumps, Corn Crushers, Bone Mills, Steaming Apparatus for root crops, and Pumping Machinery.

Such was the success of the firm at that time that the works at Long Island were found to be inadequate to accommodate the rapidly expanding business, and a site was purchased in Denton Holme, on 4th February, 1863, and work immediately began on the erection of new plant and buildings.

It was at this time that William Pratchitt's brother, John, joined the firm, and the business became known as Pratchitt, Blaylock and Pratchitt. John was then thirty years of age and he came to Carlisle from Heidelberg University. His connections in Germany were instrumental in introducing the firm's Steam Engines to that country. Under this new title the business entered a new phase of engineering progress, operating in

their new premises, the Denton Ironworks, Carlisle.

The grand old City of Carlisle, and the engineering enterprise of Pratchitt Brothers and their early associates, have much in common. Above all else both City and firm have been outstandingly progressive. During the past two hundred years the population of Carlisle has increased from around 4,000 to approximately 70,000, and the area it occupies is now 100 times larger than the old walled City of the mid-eighteenth century.

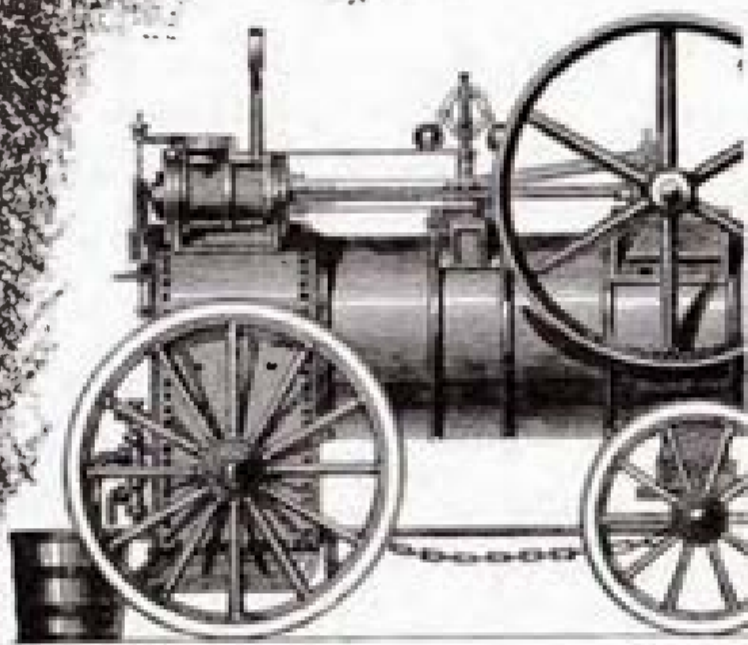
When the firm of Blaylock and Pratchitt was formed in Carlisle in 1859, the population of the City was under 25,000, and the advent of the prosperity introduced by the railway cra was just beginning. East and West of England had been linked by the opening of the Newcastle and Carlisle Railway, and a bright future was promised for this northernmost part of the Country.

The impetus of an Industrial revolution in Engineering was at its height, and the young brains within the Blaylock-Pratchitt organization were quickly applied to the grasping of every business opportunity offered. Estimates were sent in, both locally and farther afield, for all kinds of engineering work, and many excellent contracts were obtained and executed. All the Railway Clocks on the main line and at all stations from Carlisle to Wigan, were made and supplied by the firm. A specimen of this craftsmanship can be seen today when viewing the outside clock at the Denton Ironworks, still going strong after 100 years.

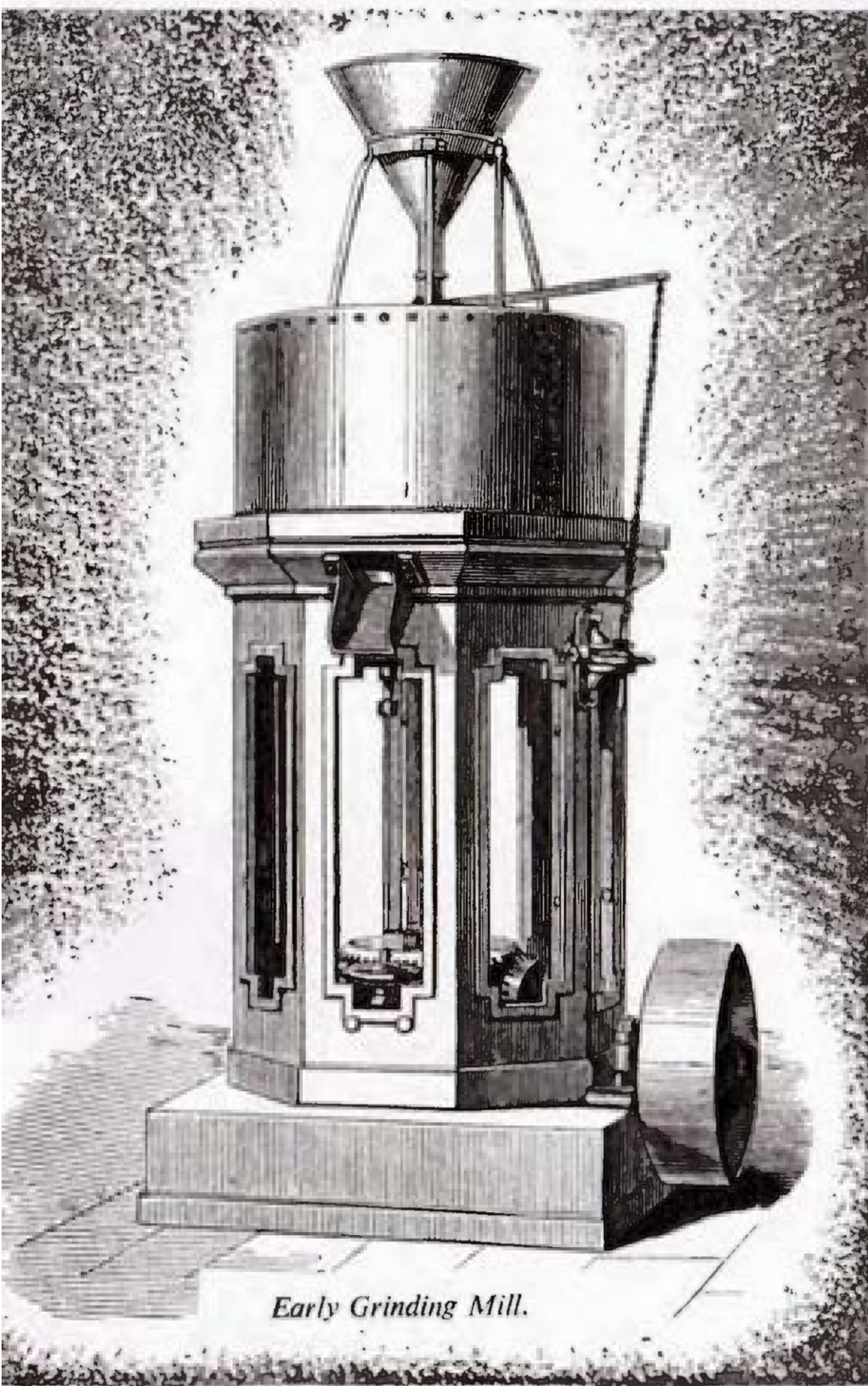
Other early contracts included the Ironwork for all the Railway Stations on the Cockermouth, Keswick and Penrith Railway, which was supplied and erected by Blaylock and Pratchitt. The same applies to the Ironwork and erection work on the North British Railway from Carlisle to Langholm and District, in Scotland.

In the year 1865 William Pratchitt was made a member of the Institution of Mechanical Engineers, and some four years after this event a second illustrated catalogue was published under the firm's new name and address. All the original items contained in the first catalogue were included, many with improvements, but there was also a much wider range of models and prices offered.

From the very beginning Blaylock and Pratchitt established themselves as specialists in the manufacture and installation of Pumping Machinery of every description, and continued to contract for, and execute, this nature of engineering work up to the year 1928.



Early Steam Engines



Early Grinding Mill.

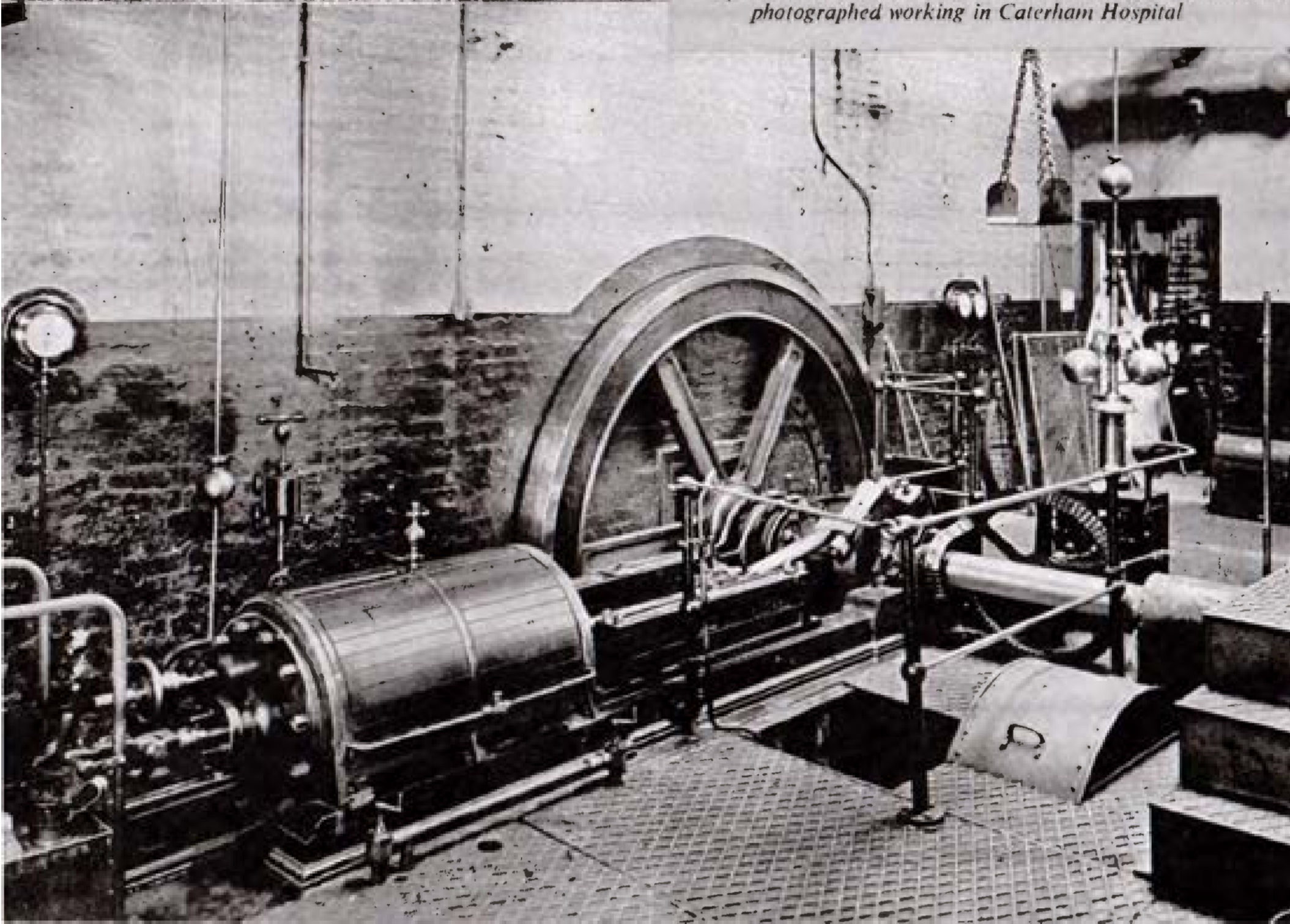
Many large Pumping Installations were made for local Authorities and Establishments such as – Sandringham, Caterham Metropolitan Hospital, Dorking, Southend, Worthing, Exmouth, Horsforth, Wimbledon, Spalding, Cheshire, Ayr, Reading, Faversham, Northwich, Tunbridge Wells and many others, also for Industry, including Collieries in the Brayton Domain and Durham Coalfields.

The publication of this second catalogue synchronized with the tenth year of progress of the firm and its increasing success. Many large undertakings were being carried out and contracts successfully completed.

In the year 1875 William Pratchitt married Miss Sarah Ann Richardson, the daughter of an old established firm of Carlisle land agents. Their son, William Monkhouse Pratchitt, who was later to become the head of the firm, was born on 28th February, 1883.

It was towards the end of the nineteenth and the early part of the twentieth century, that the firm became interested in the provision of plant for gas and electrical industry, and they became responsible for the installation of such plant in various leading gas and electric stations. The entire steel

▼ *Horizontal Steam Engine made in late 1860s and recently photographed working in Caterham Hospital*



work, including the bunkers and all circulating pipes for the new generating station in James Street, Carlisle, was made and installed by Pratchitt Brothers.

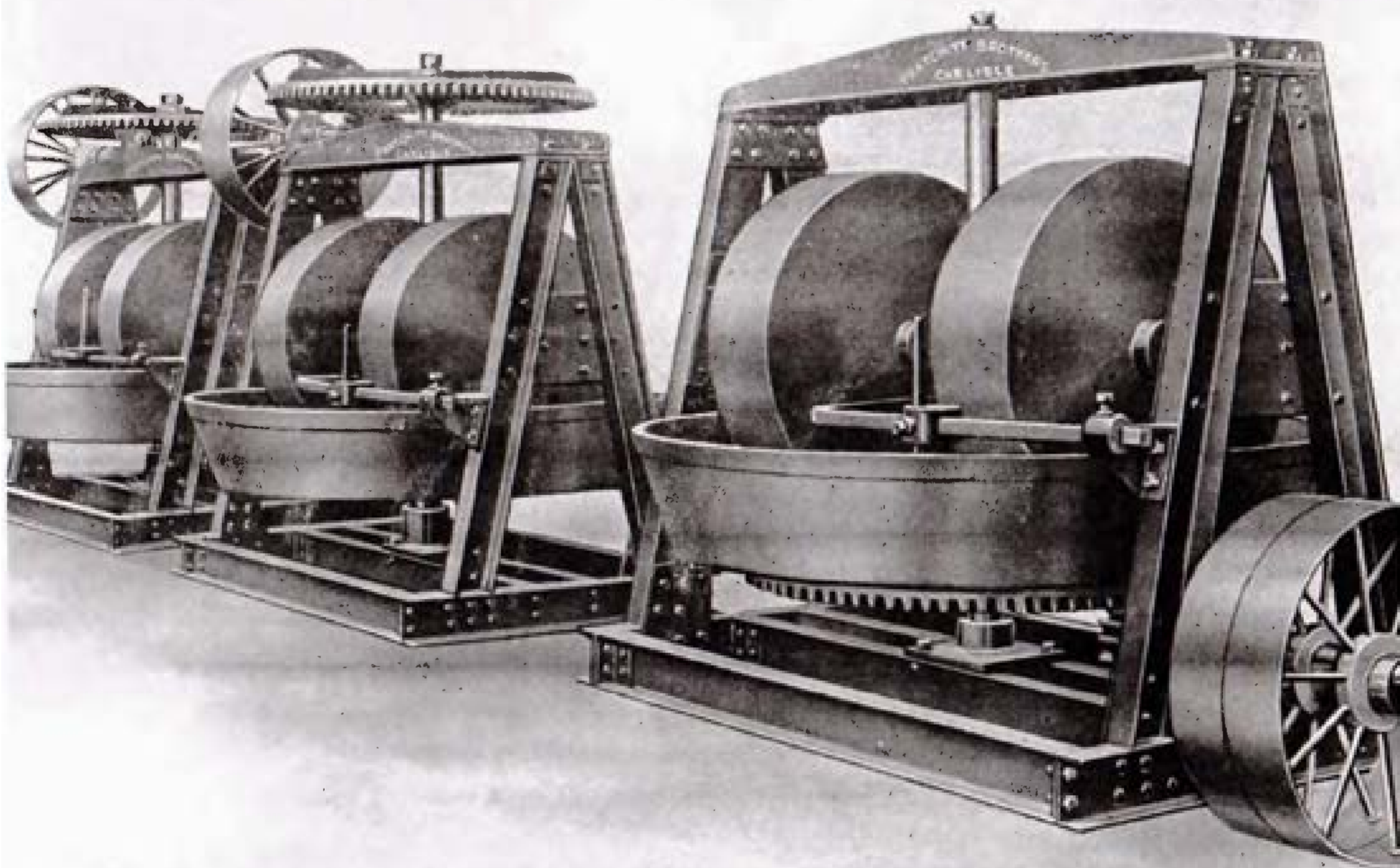
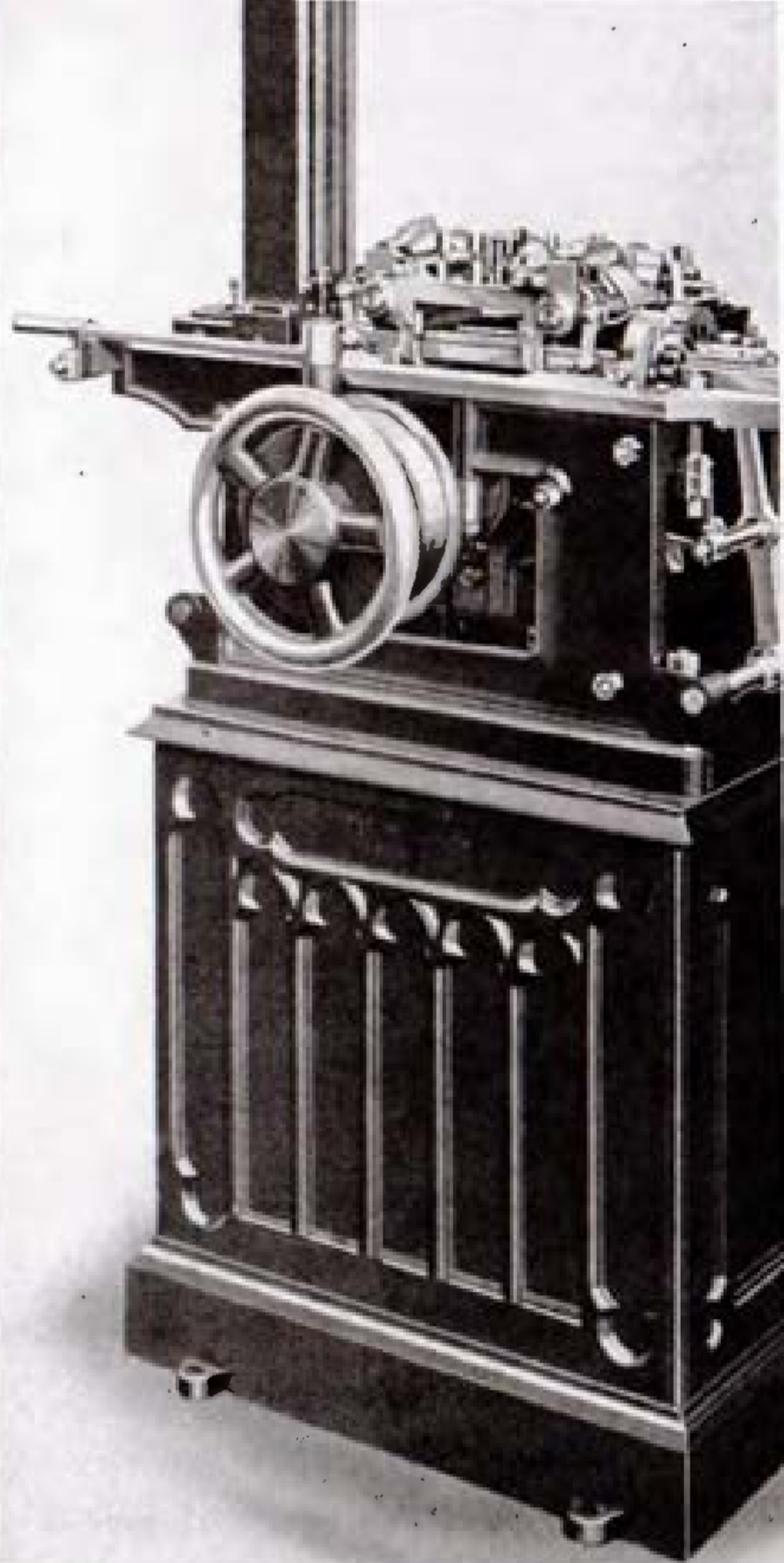
Then came Royal recognition of the firm's engineering craftsmanship when, on 12th August, 1904, His Majesty King Edward the Seventh, bestowed on the firm a Royal Warrant of Appointment in recognition of large scale work carried out on the Pumping Installations at Sandringham. Some four years later, early in the year 1908, the two Pratchitt Brothers, now well over three-score-years-and-ten, sought retirement, and the partnership was amicably dissolved, William's son, William Monkhouse Pratchitt, taking over the reins of the business at the age of twenty-five.

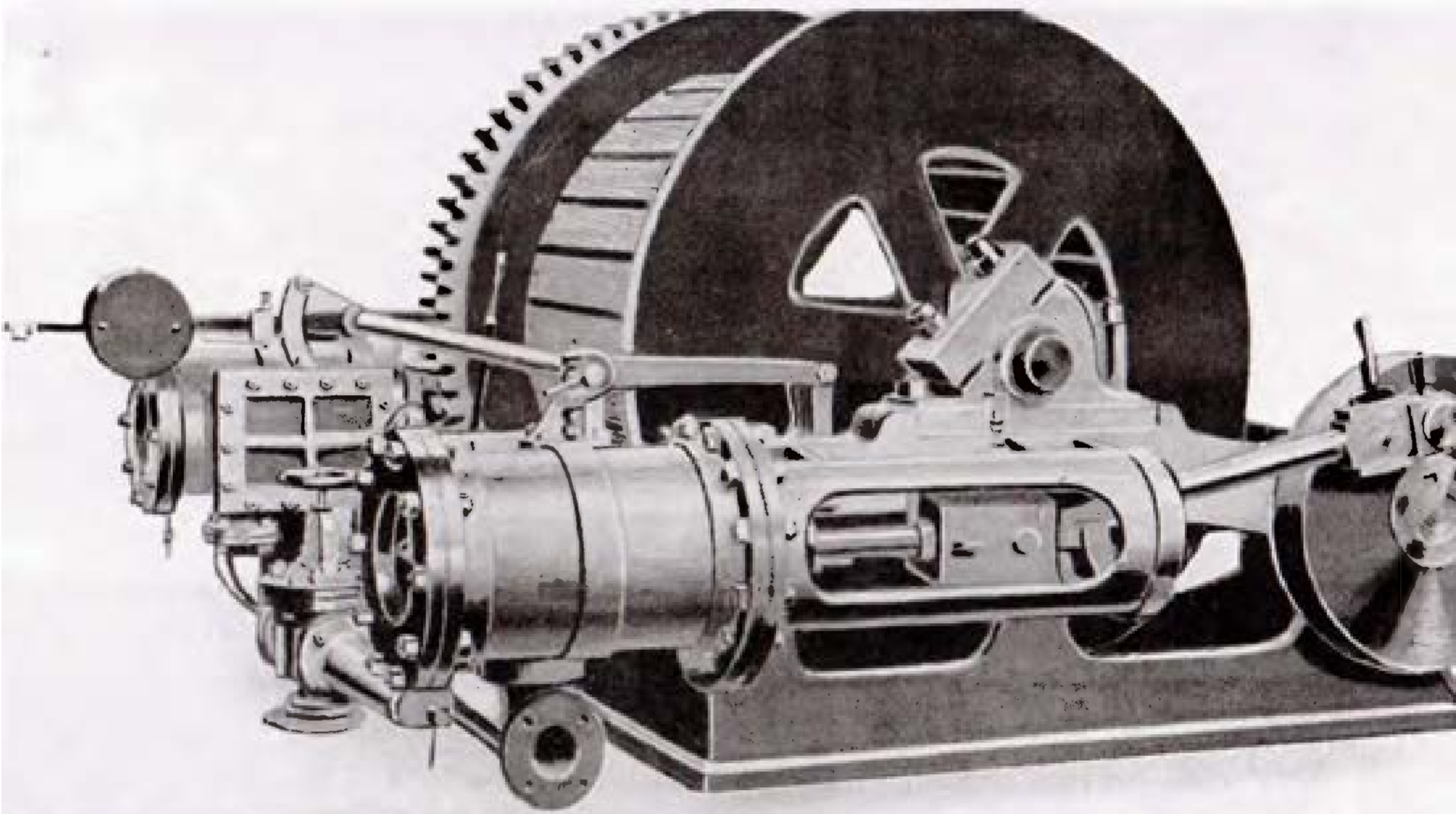
Three years later, on 1st March, 1911, young William Monkhouse Pratchitt was honoured by receiving, on behalf of the firm, a further Royal Warrant for another series of extensive operations carried out at Sandringham.

William Pratchitt, senior, did not live long to enjoy his retirement in 1908, for he died on 28th March of the same year, at his Carlisle residence. His brother John survived him by over eight years,

Railway Ticket Printing Machine ▶

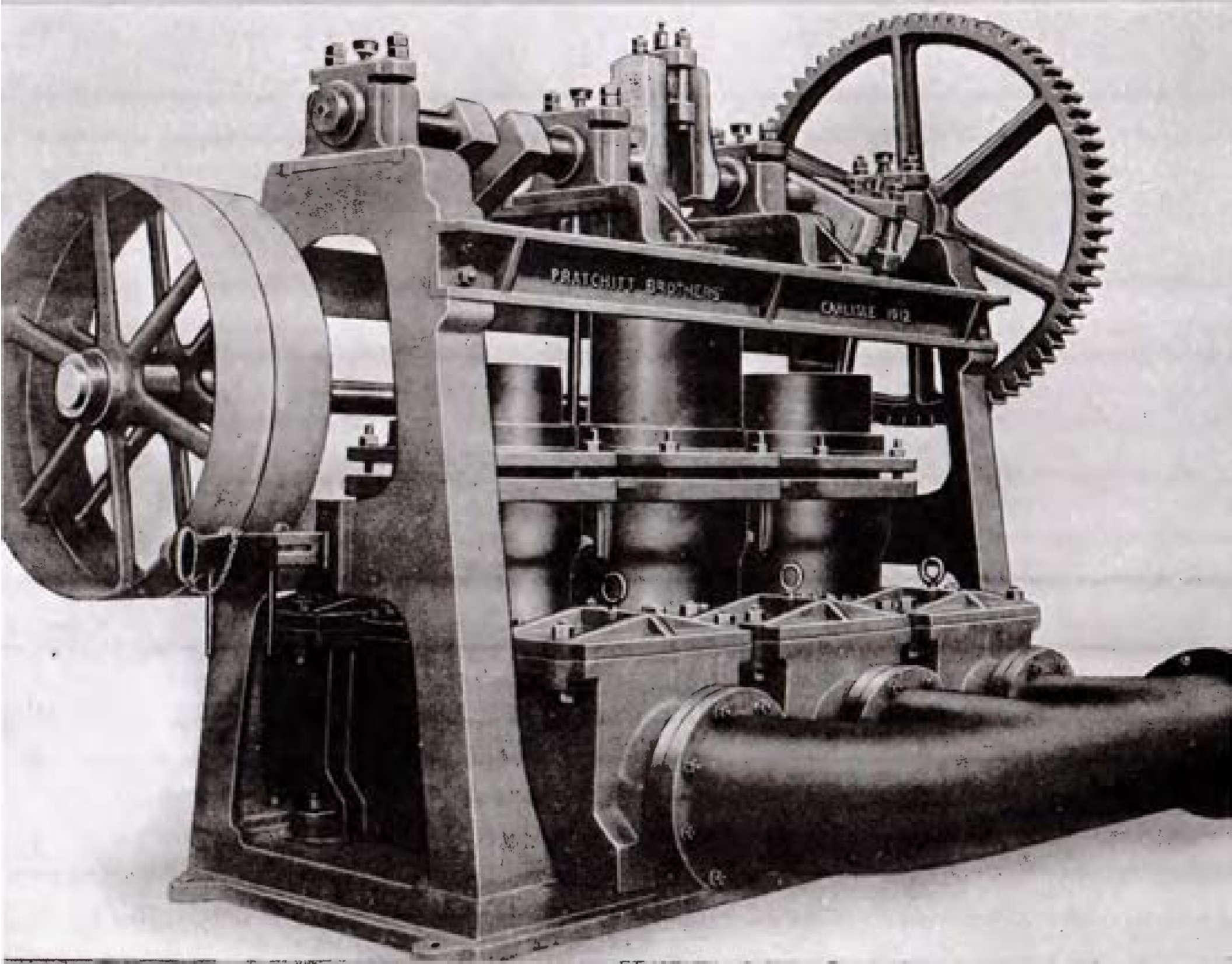
▼ *Mortar Mills for the Building Industry*





▲ *Haulage and Winding Engine for Collieries, etc*

▼ *Three Throw Vertical Ram Pump for local authorities*



passing away in December 1916, at the advanced age of eighty-two.

Through the pages of the Pratchitt history the skill, efficiency, and loyalty of the firm's executives and staff, demand all possible eulogy. Among such members of Pratchitt Brothers is Archibald Wilson, who joined the firm in 1897 as an apprentice, served in the workshops and the Drawing Office and was later to become Works Manager and a Director of the firm, retiring in 1947 after fifty years loyal service.

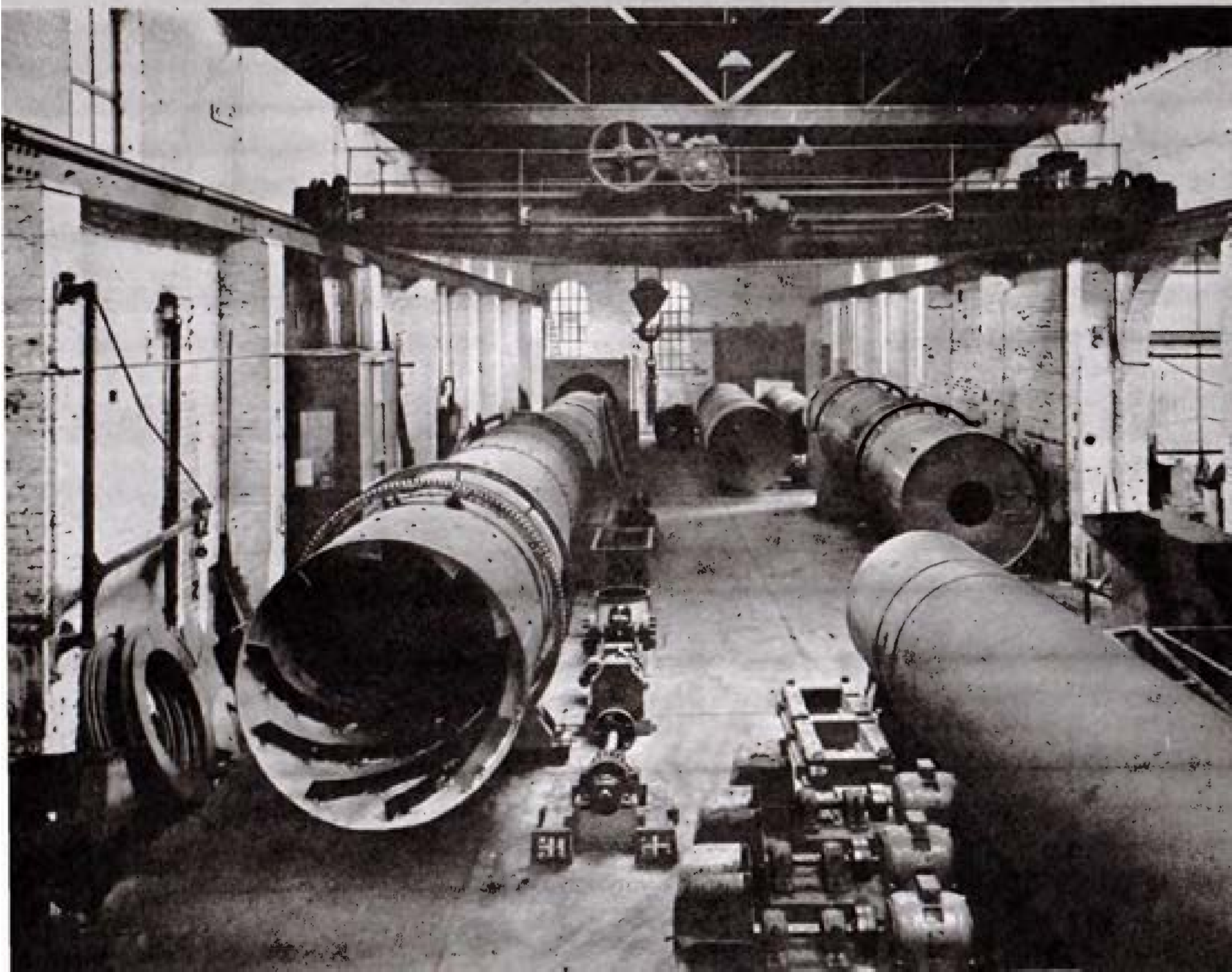
Mr. William Monkhouse Pratchitt appointed Mr. Wilson as his manager in 1913. Both he and Mr. Wilson were then keenly interested in the Territorial Army, Mr. Pratchitt held commissioned rank and Mr. Wilson non-commissioned rank in the 4th Battalion of the Border Regiment. At the outbreak of hostilities in the 1914-18 War they were both called to the colours. Mr. Pratchitt proceeded with his regiment to Burma, but Mr. Wilson was returned to Carlisle on medical grounds and assumed the responsibility of keeping things going at Denton Ironworks, in which

he had the assistance of a very loyal staff.

Under an agreement with Messrs. Vickers, of Barrow-in-Furness, Pratchitt Brothers became engaged in the manufacture of eighteen-pounder shells. In fact, it is believed that they were the first private firm in the County to manufacture such shells. It was with this knowledge and experience that Mr. Wilson was able to go forward to the civic heads of the City of Carlisle when they met to decide how they could contribute their share of assistance to the Country's vital needs in the direction of war equipment and munitions. This knowledge proved very valuable indeed at that time, and contributed to the splendid early efforts of the City in supplying much needed war material.

During the war the Dyeing Industry, well represented in the City of Carlisle by Messrs. Morton of Sundour fame, had been cut off from the supply of Fast Aniline Dyes, all of which prior to the war had been imported from Germany. After many experimental efforts, Pratchitt Brothers, under the supervision of Mr. Wilson

▼ *Rotary Dryers in course of construction*



and in co-operation with Mr. (later Sir) James Morton, were able to produce the first high pressure Autoclaves to be made in this Country, for the production of Fast Aniline Dyes. A memorable achievement indeed.

At the cessation of hostilities, Mr. William Monkhouse Pratchitt returned from abroad, and after demobilization, took up his duties as head of the firm again. The Pratchitt firm gradually returned to a peace-time basis of operation, and in the very early nineteen-twenties they supplied the entire steel work of the New Electricity Generating Station, which was erected under the direction of the City Electrical Engineer, Mr. Salt, in Willow Holme, Carlisle. In those days this represented one of the most up-to-date achievements in the Country.

With the advent of more settled times new outlets had to be found for the engineering and servicing progress of Pratchitt Brothers and it was deemed advisable to concentrate considerable attention to the production of drying plant of every description. Around this period Pratchitt Brothers formed a connection with a Consulting and Chemical Engineer in Manchester, Mr. L. A. Mitchell, A.M.I.Mech.E., M.I.Chem.E., M.I. Struct.E., with whom contracts were executed for the manufacture of plant for the Chemical Industry; at that time carrying out a considerable amount of work for the Dyestuffs firms who were later to be formed into the Dyestuffs Division of Imperial Chemical Industries Ltd.

Later Mr. Mitchell formed the firm of L. A. Mitchell Limited in Manchester, the present well-known Chemical Engineering concern specializing in the supply of modern drying plant and industrial process equipment.

On the 23rd of July, 1929, Pratchitt Brothers became a Limited Company with Mr. William Monkhouse Pratchitt as Managing Director and Mr. Lancelot Arthur Mitchell as a Director. The Secretary of the Company at the time of registration was Mr. Albert Younghusband and he continued in this Office until his decease in December, 1937; his successor to the Office was Mr. Lawrence Graham. The firm continued doing good work in carrying out larger contracts.

After the First World War they took on another line with the manufacture of Timber Impregnating and Preservation Plant, and installed an experimental Timber Preservation Plant at the Forest Products Research Labora-

tories at Princes Risborough in 1928. This side of the business grew considerably and at the present time Pratchitt Brothers Limited are one of the foremost manufacturers of Timber Preservation Plant in the country, having supplied such plant to Estates, Timber Firms, Railways and Government undertakings in considerable numbers in this country and exported to most countries abroad.

At the time of the Munich crisis in 1938 the Government were contracting out to firms for the manufacture of supplies. Being on the War Office List Pratchitt Brothers Limited were given contracts by the Ministry of Supply for the manufacture of Lifting Equipment. The Ministry of Supply continued to place contracts up to the outbreak of hostilities in the Second World War in September, 1939, and from then on until the close of this war in 1945; the Ministry of Supply was the main Government Department to whom the firm was responsible, although other work was carried out for the Admiralty and Ministry of Aircraft Production. During the period of the Second World War all the production of the firm was of very high priority and covered such items as Lifting Equipment for use by the Army in the field and for invasion purposes; Drying Ovens for stoving varnish on bombs and shell cases; Conveyor Ovens for stoving sticky bombs; Drying Plant for chemicals used in anti-tank warfare; Drying Ovens for dyes for uniforms, etc., Drying Stoves for the Pharmaceutical Industry for the new sulphur drugs, i.e., penicillin, etc.; Conveyor Trough Dryers for ammonia nitrates; Stoves for cartridge cases; Pneumatic Presses for Fighter ammunition, and Bomb Filling Stands, etc.

Mr. A. Wilson was made a Director of the Company in July, 1939, and under a re-arrangement in March, 1941, Mr. L. A. Mitchell took a greater interest in the firm – both he and Mr. William Pratchitt becoming Life Directors of the Company.

With the closing of the Second World War Pratchitt Brothers Limited were able to switch their plant from War Production to supplying the needs of Industry for the great task that lay ahead.

In May, 1947, Mr. A. Wilson, having served fifty years, retired from active business although he continued as a Director until July, 1950.

A re-arrangement of the firm's affairs took

place upon the retirement of Mr. William Pratchitt from the active work of Chairman and Managing Director on the 29th July, 1947. Mr. L. A. Mitchell had acquired a greater interest in the firm and he succeeded Mr. Pratchitt as its Head, taking over the Chairmanship and the position of Managing Director.

Mr. Gordon Rowan Kennedy joined the Board as a Director and took up his duties as General Manager, Mr. L. Graham continued as Secretary of the Company and later became a Director. Mr. G. A. Wilson succeeded his brother, Mr. A. Wilson, as Works Manager and remained in that position until his retirement in March, 1954. He was then succeeded by his assistant, Mr. J. Sharp.

Under Mr. L. A. Mitchell's guidance, assisted by his new team, the firm of Pratchitt Brothers Limited developed considerably, manufacturing Timber Impregnating Plant, Plaster and Gypsum Plant, Superphosphate Plant, Crushing and Grinding Equipment and all types of modern industrial Drying Plant, both for the use of home markets and for many countries abroad.

Further extensions have been made to the Works and new machinery and techniques introduced and, since 1947, the production of the firm has grown considerably.

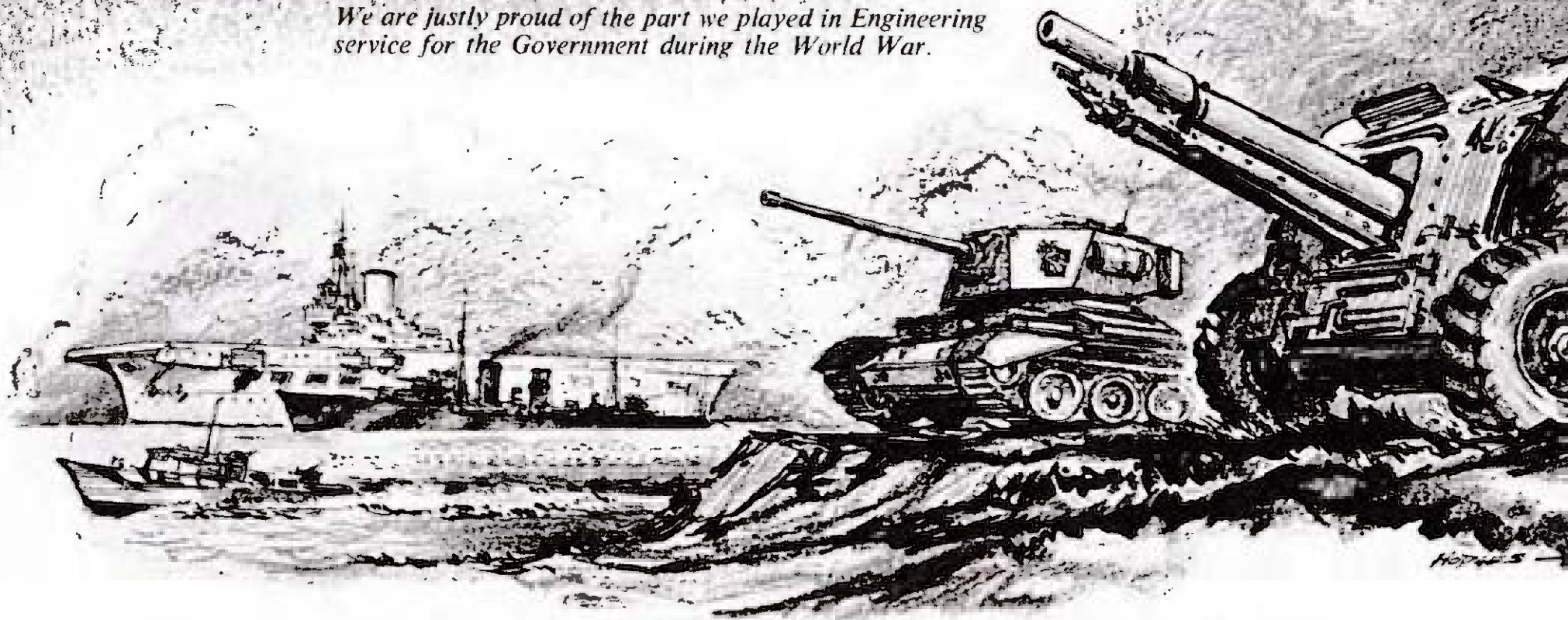
A recent addition to the Board of Directors, which at present consists of Mr. L. A. Mitchell, Mr. G. R. Kennedy and Mr. L. Graham, is Mr. A. R. Weldon, son-in-law of the late Mr. William Monkhouse Pratchitt, who has joined the firm from the Army.

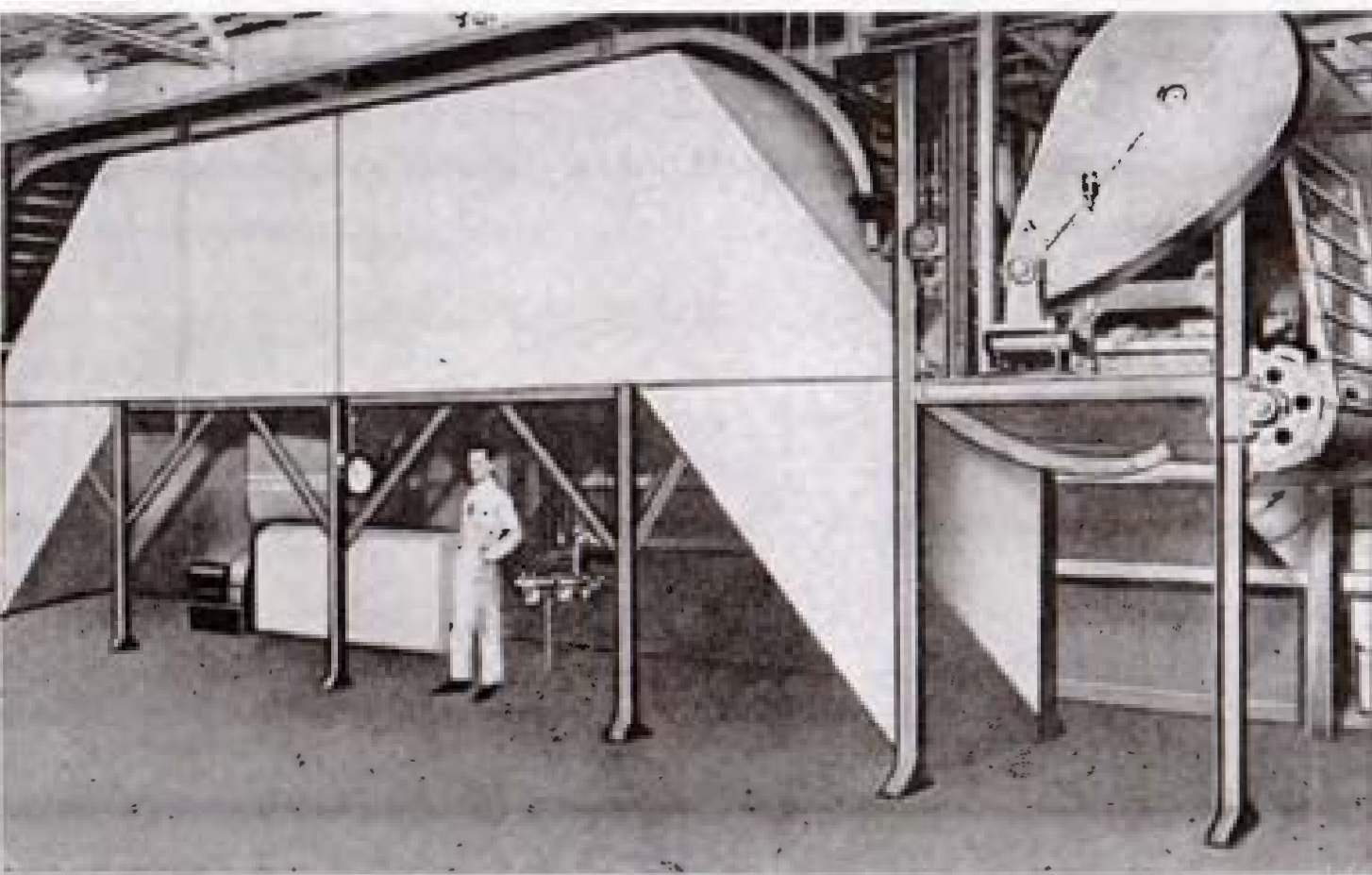
Now the welded interests of Pratchitt Brothers Limited and Mr. L. A. Mitchell's own firm in Manchester, L. A. Mitchell Limited, control and operate an outstanding engineering service, with world-wide representation and engineering reputation.

It had taken a century of time to build the prestige and craftsmanship of this modern enterprise since first it crossed the threshold of its founding in the year 1859.

Now Pratchitt Brothers Limited, of Carlisle, is stepping over the threshold into a second century, a future era of science and engineering, whose advancing techniques are limitless. One thing is certain, as this second century progresses, so will Pratchitt Brothers Limited advance with the times, modern in its outlook, its policy, its consultancy, direction and quality and efficiency of workmanship. The Pratchitt history of 100 years had been written in this year of grace 1959, and a new history given birth, to fill the pages of yet another Centenary of Engineering enterprise.

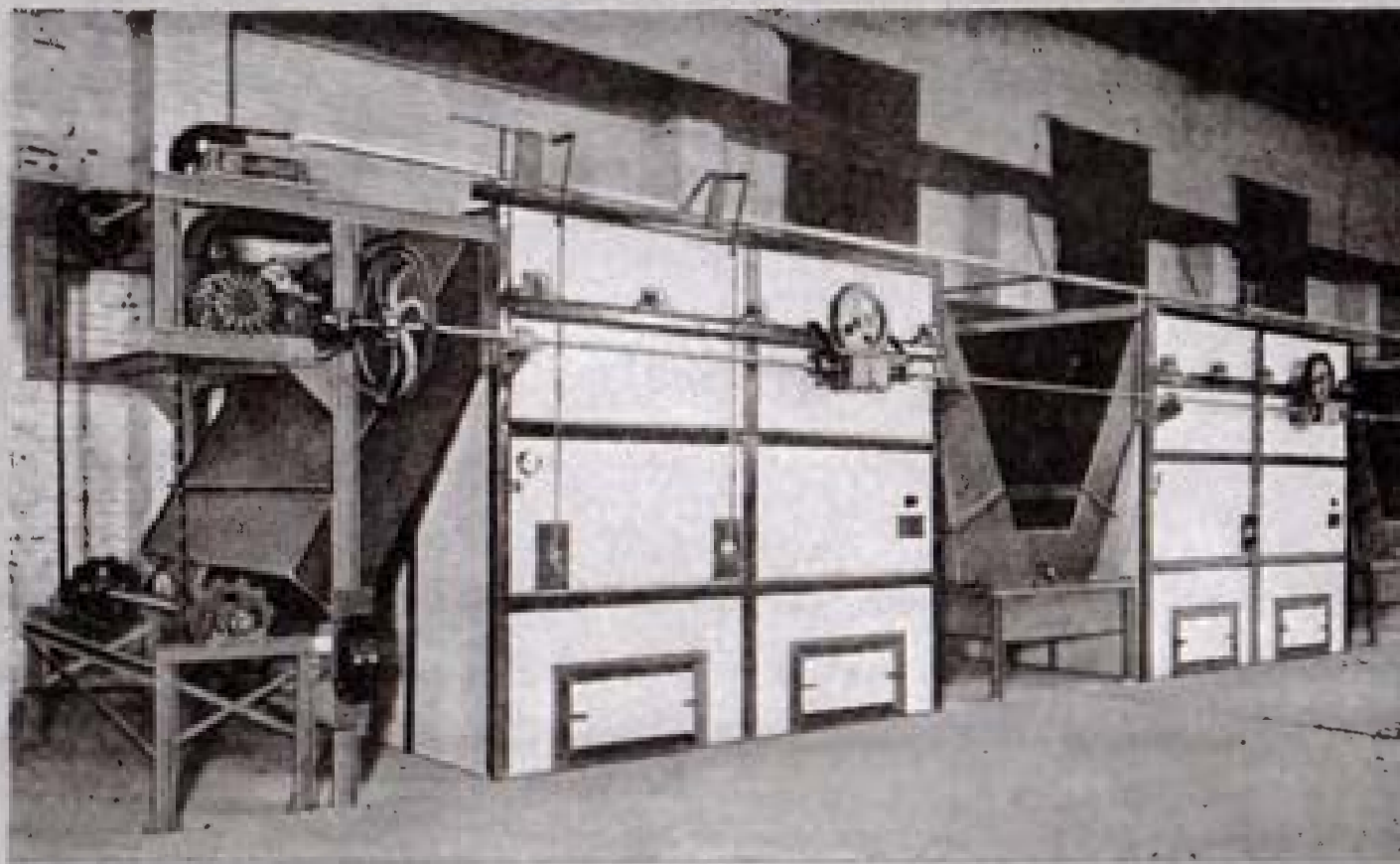
We are justly proud of the part we played in Engineering service for the Government during the World War.



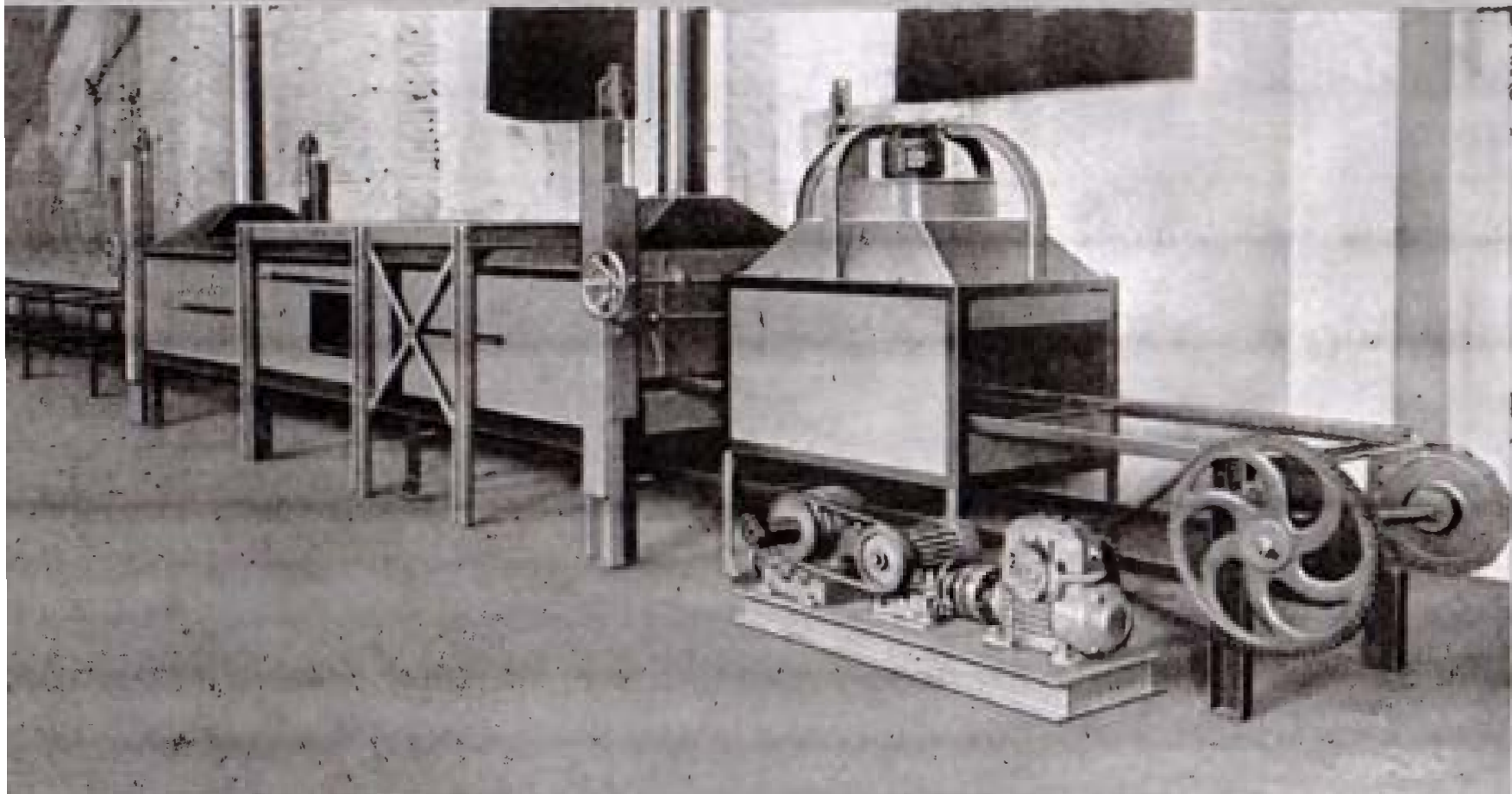


*These two pages show
a selection of some*

▲ *Camel Back Conveyor Dryer for Stoving Varnish on Chemical Bombs*

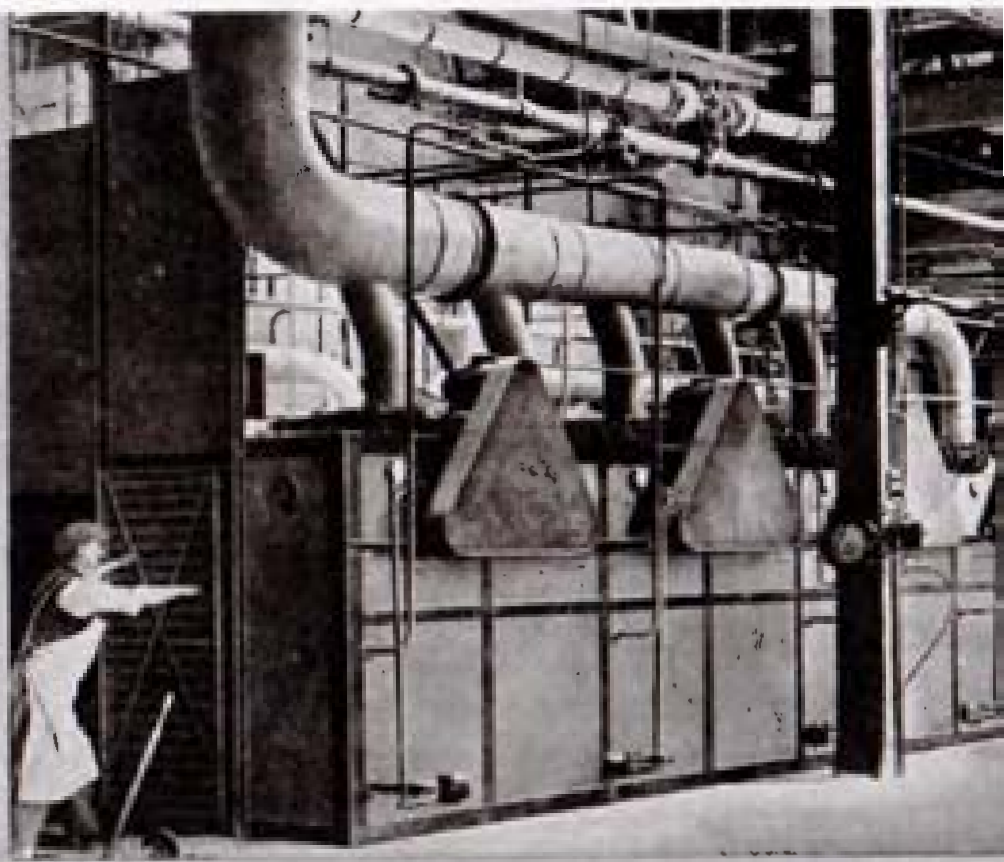


Continuous Dipping & Drying Plant for Sticky Bombs ▶

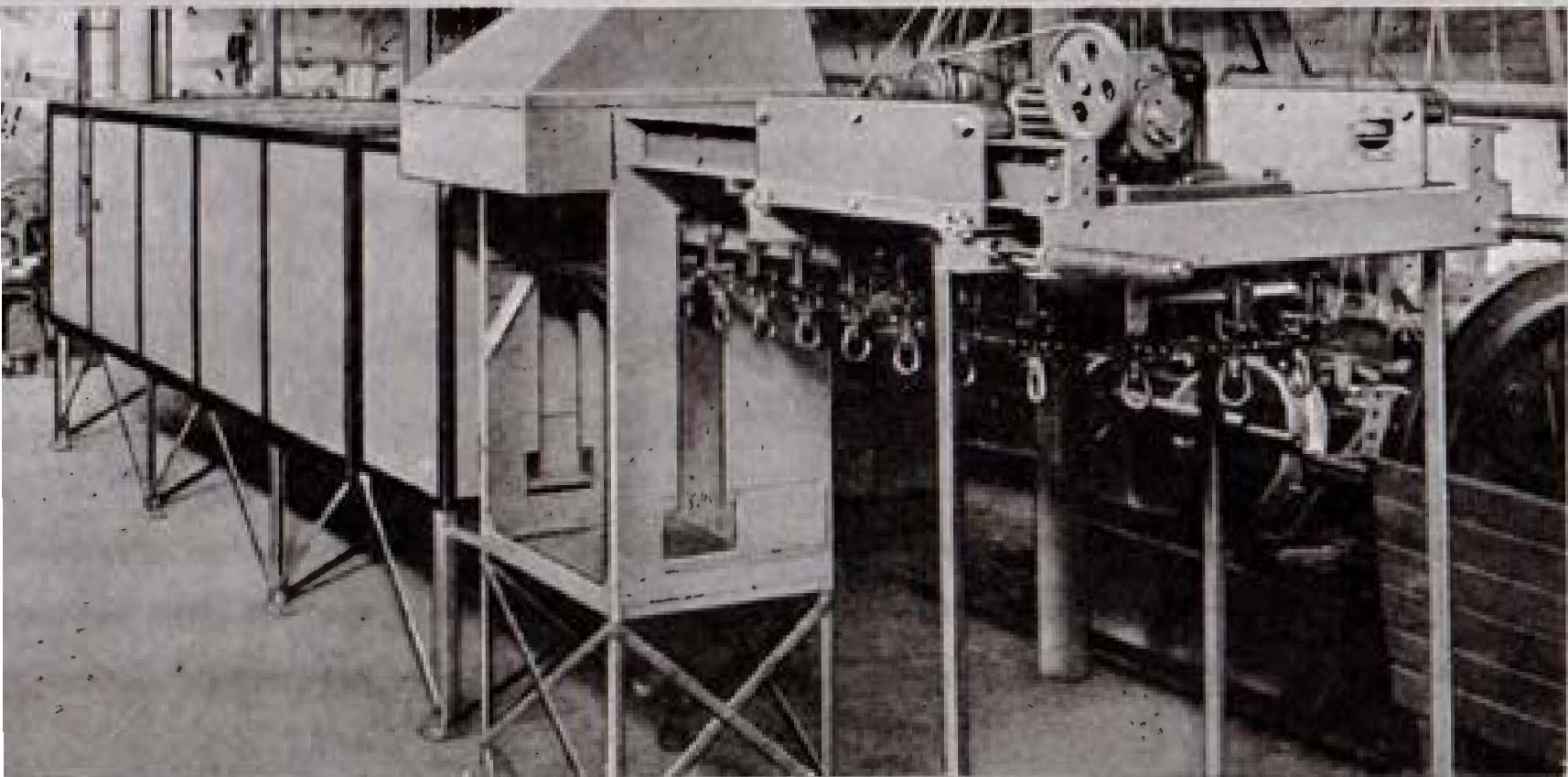


◀ *Conveyor Oven for stoving metal components for high grade optical goods for Admiralty*

*Plant we manufactured
for the Fighting Services*

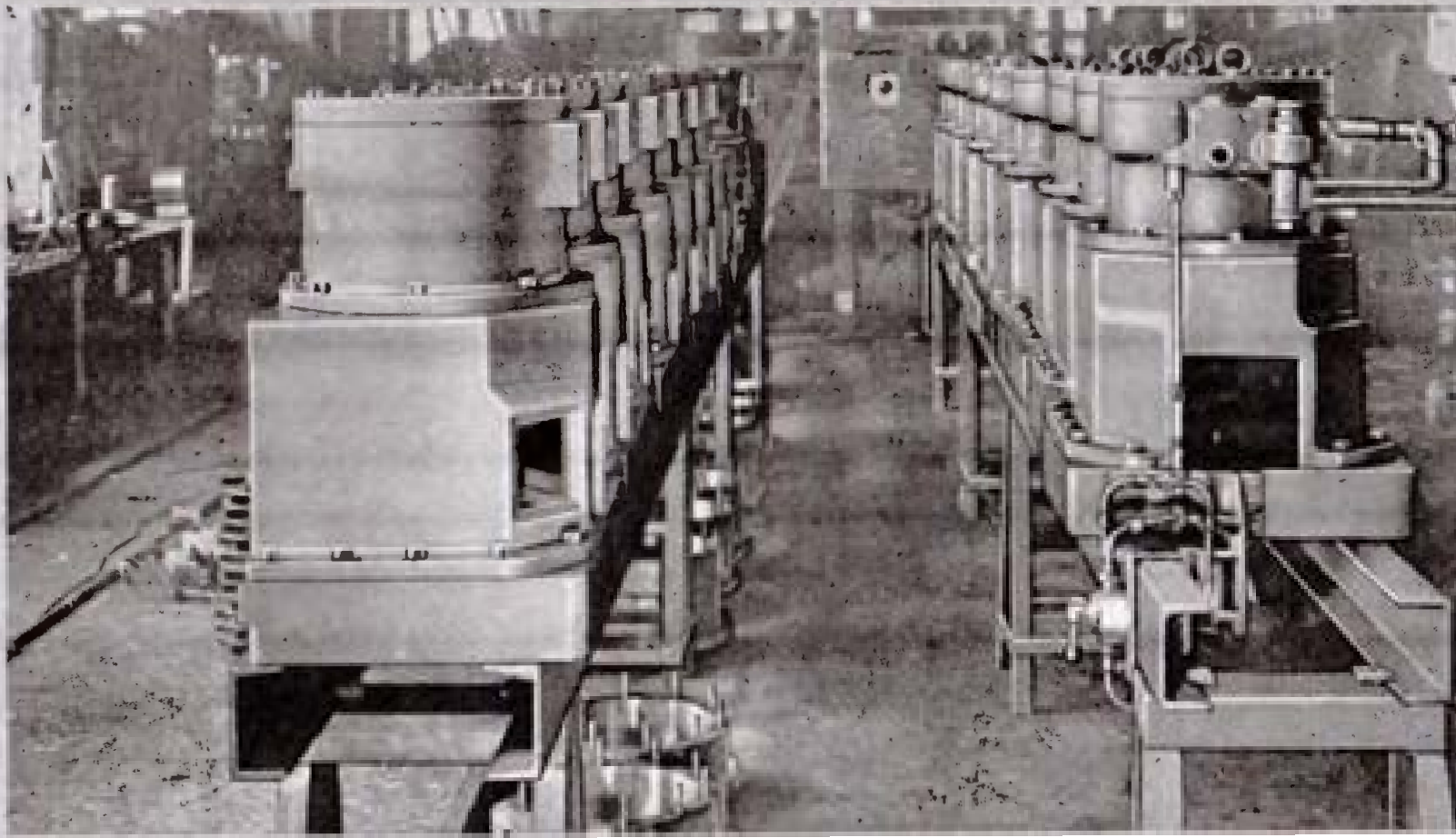


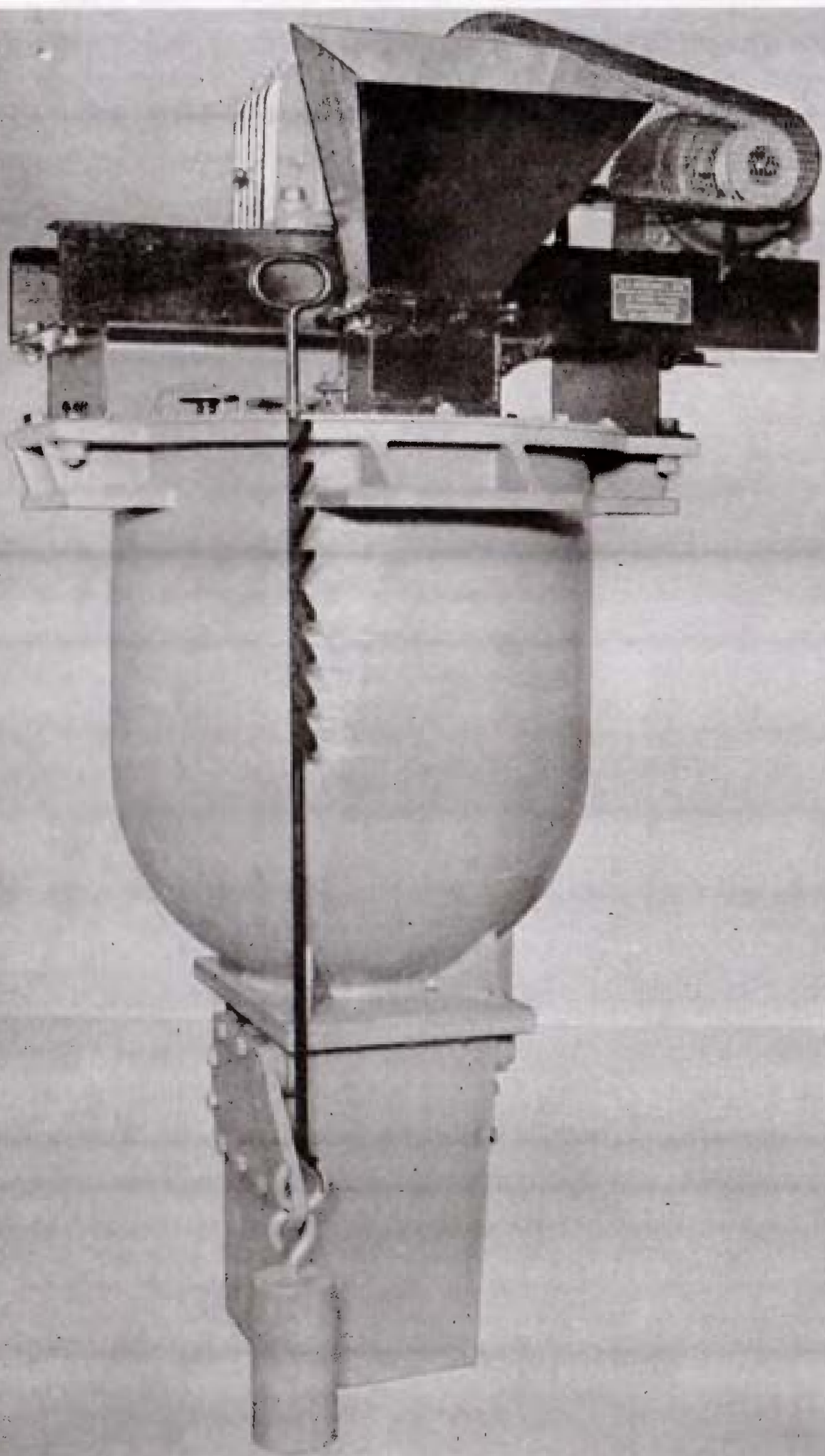
▲ *Large Tunnel Drying Stove for Chemical Filter Cakes in Ministry of Supply Factory*



◀ *Mono Rail Conveyor Oven for stoving varnish on Bombs in Ministry of Supply*

▶ *Battery of Pneumatic Presses for Fighter Plane Ammunition*

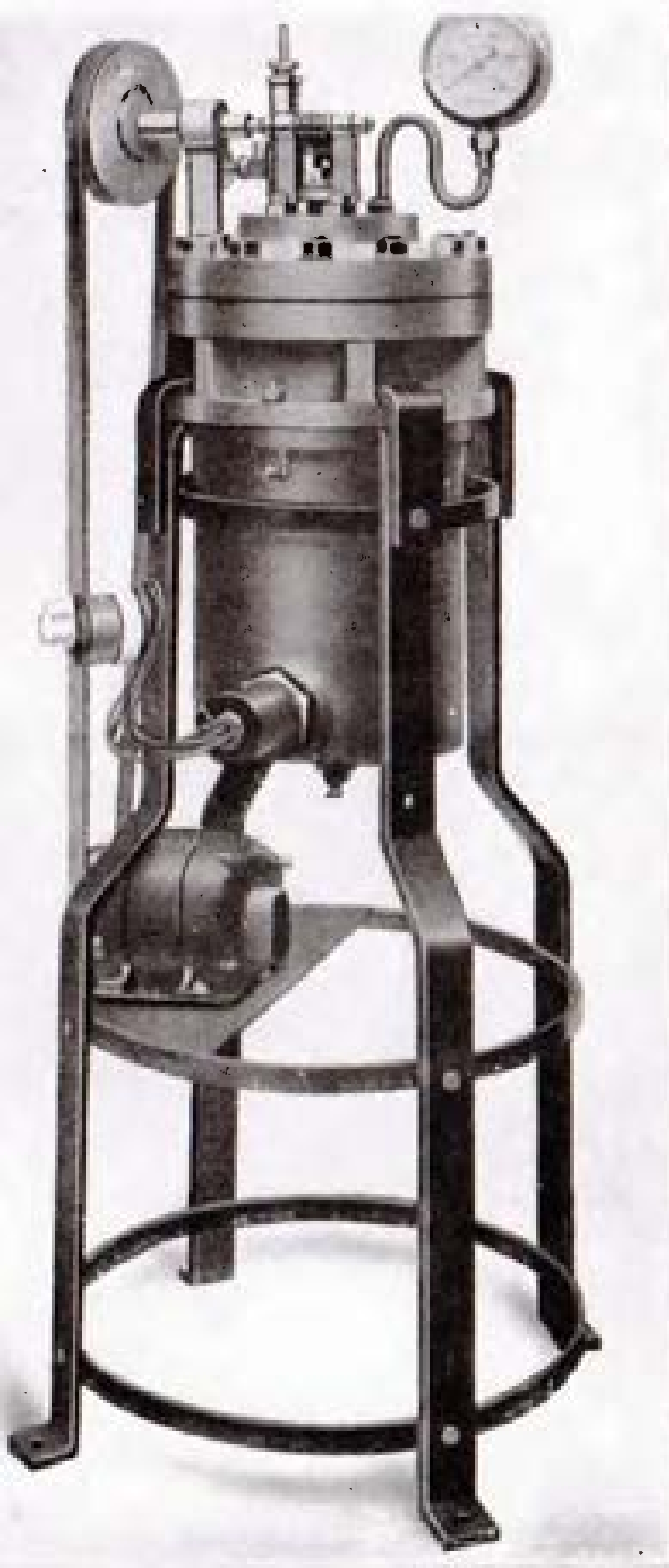




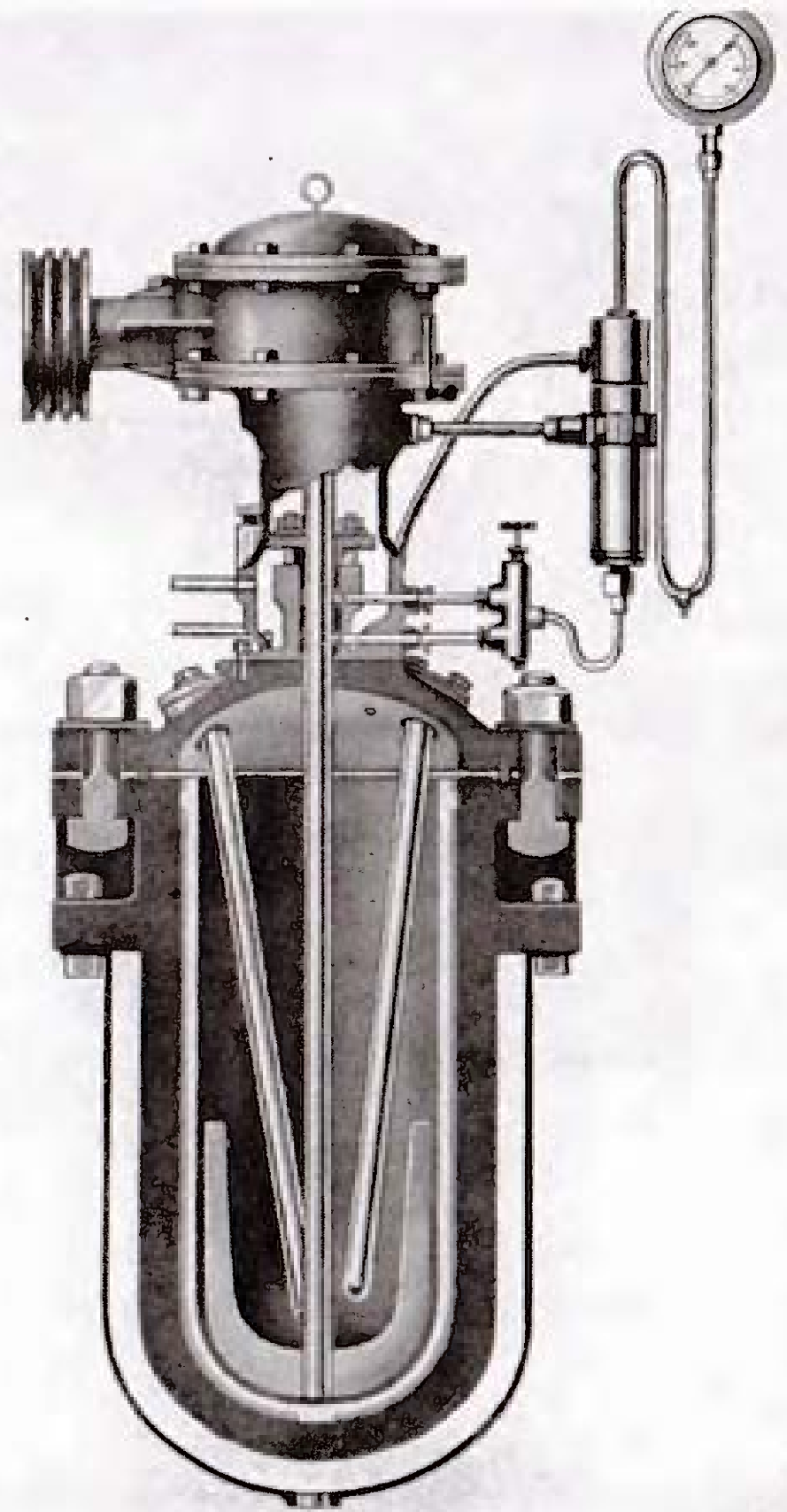
▲ *Mixing Vessel for Chemicals*

*High Pressure
Autoclaves for
Laboratory use.
Sizes range from
.5 litre to
1,000 gallons and
more – working
pressures up to
3,000 lbs. per sq. inch*





▲ *Electrically Heated Autoclave*



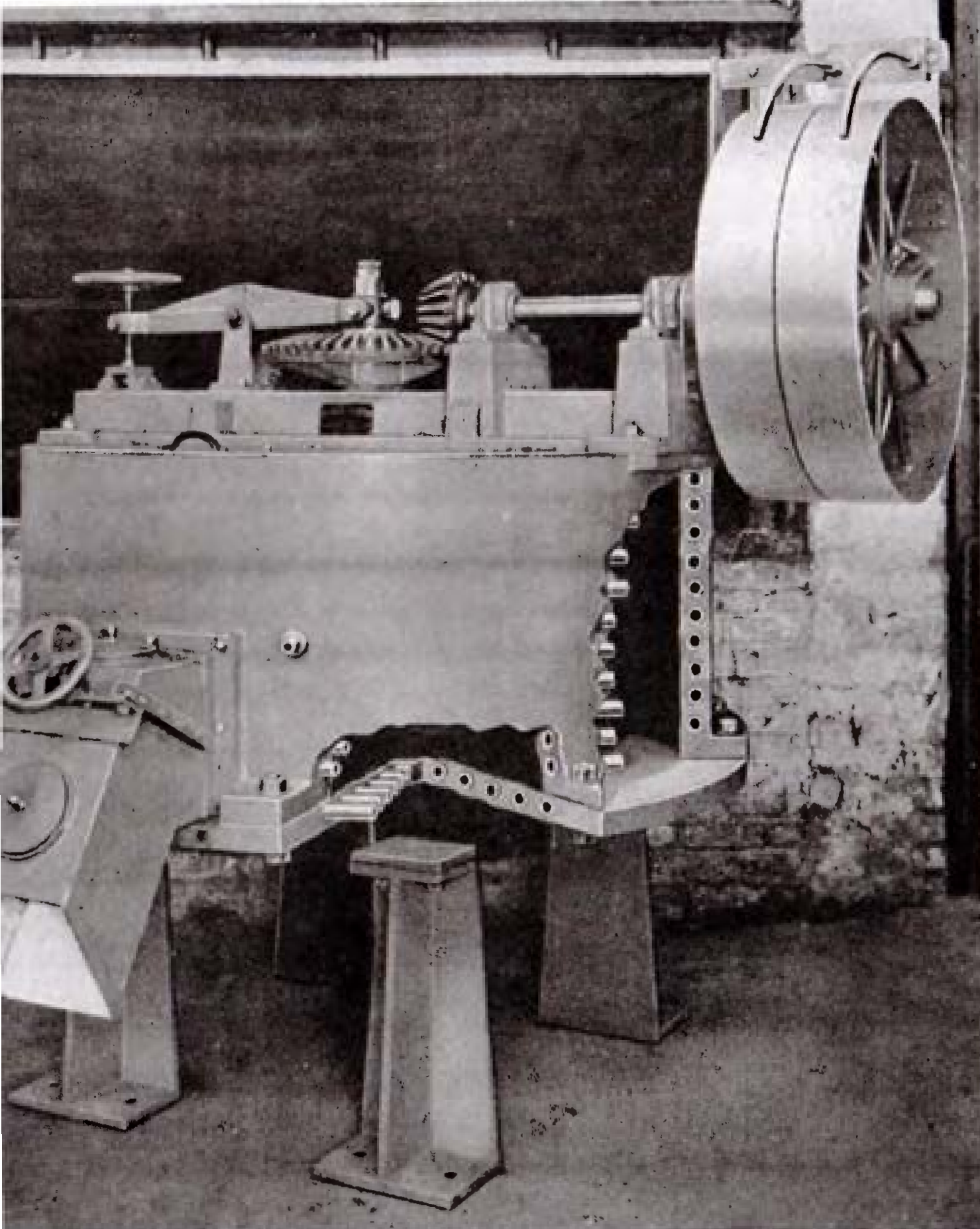
▲ *Cross Section of Laboratory Autoclave*

*A Group of Autoclaves ▶
for the Russian Market*



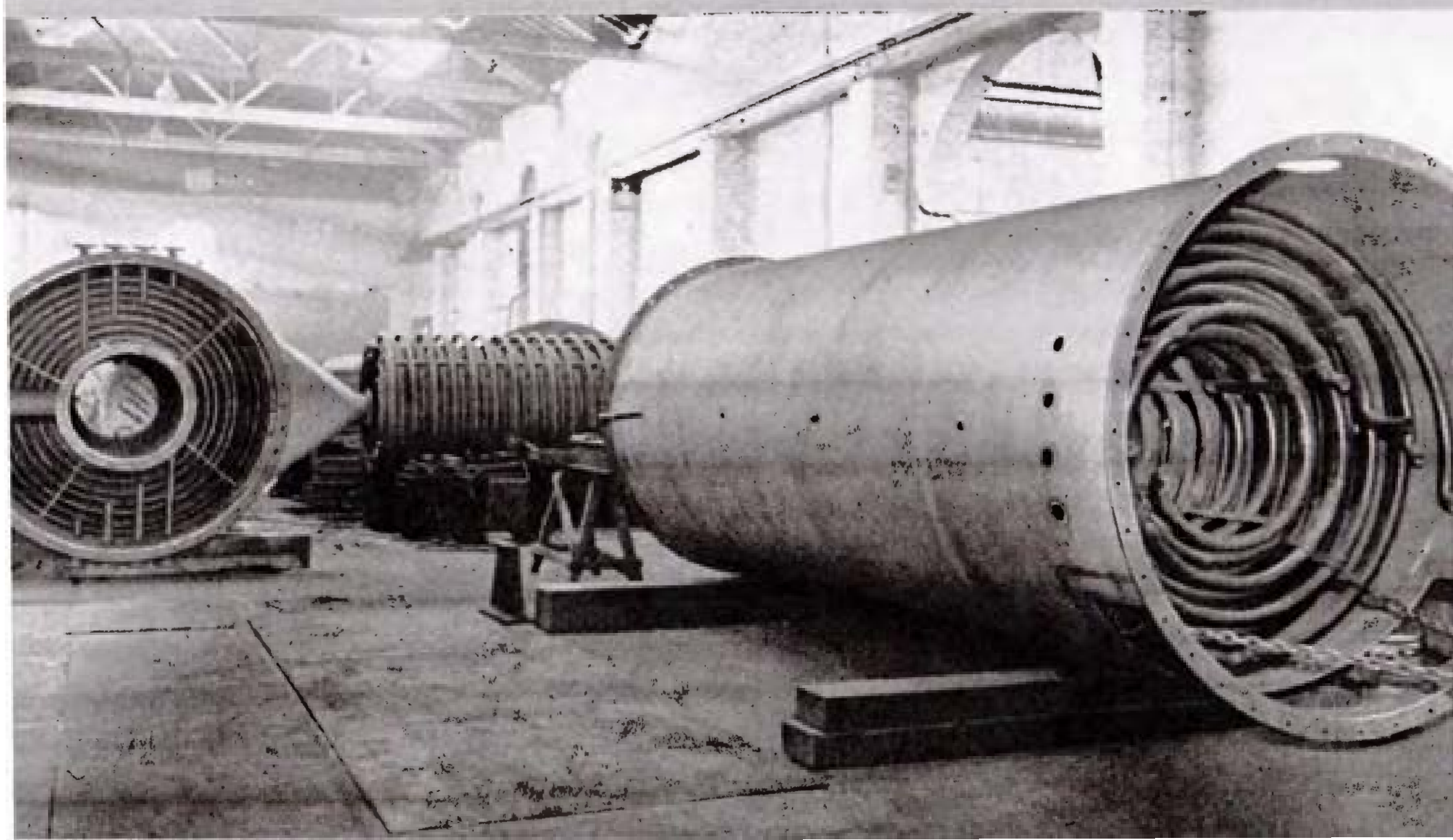
*Industrial and
Process Equipm*

The illustrations on
and the following r
show the wide scop
plant we manufactu
our works at Carlisle

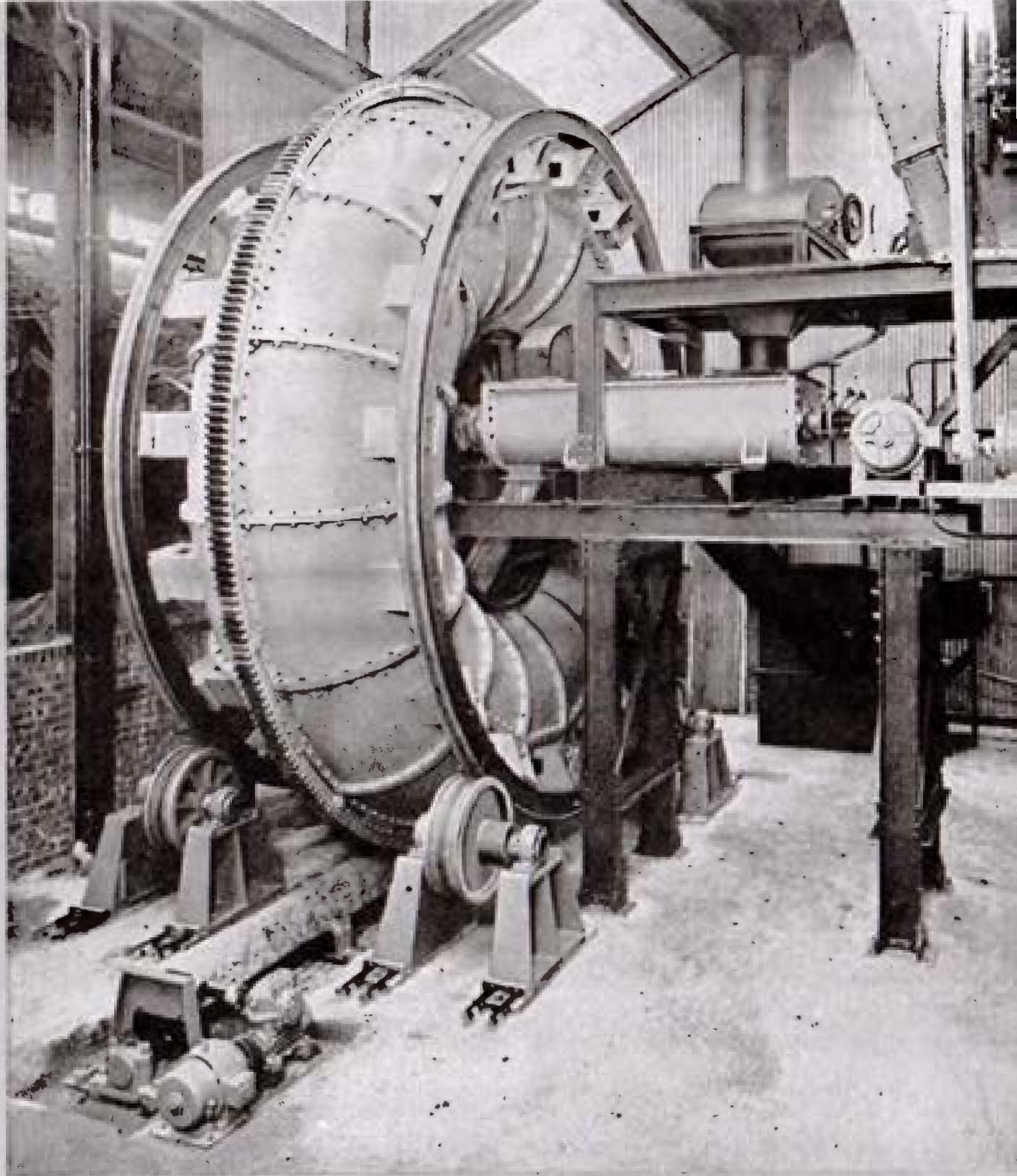


▲ *Dextrine Roasting Pan for Starch Trade
showing heating coils cast in the C.I. pan*

▼ *Cooling Condensers for Chemical Plant*

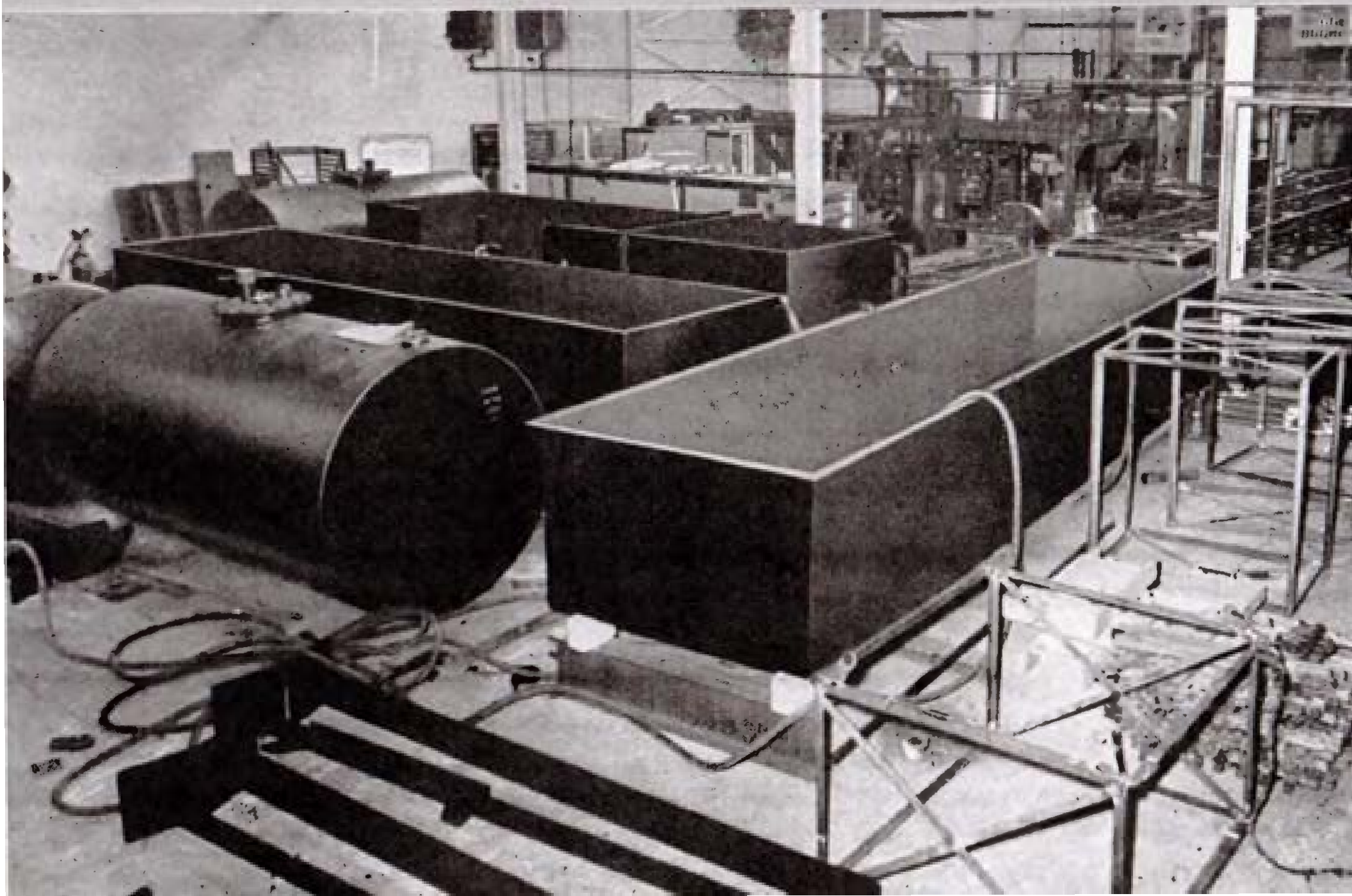


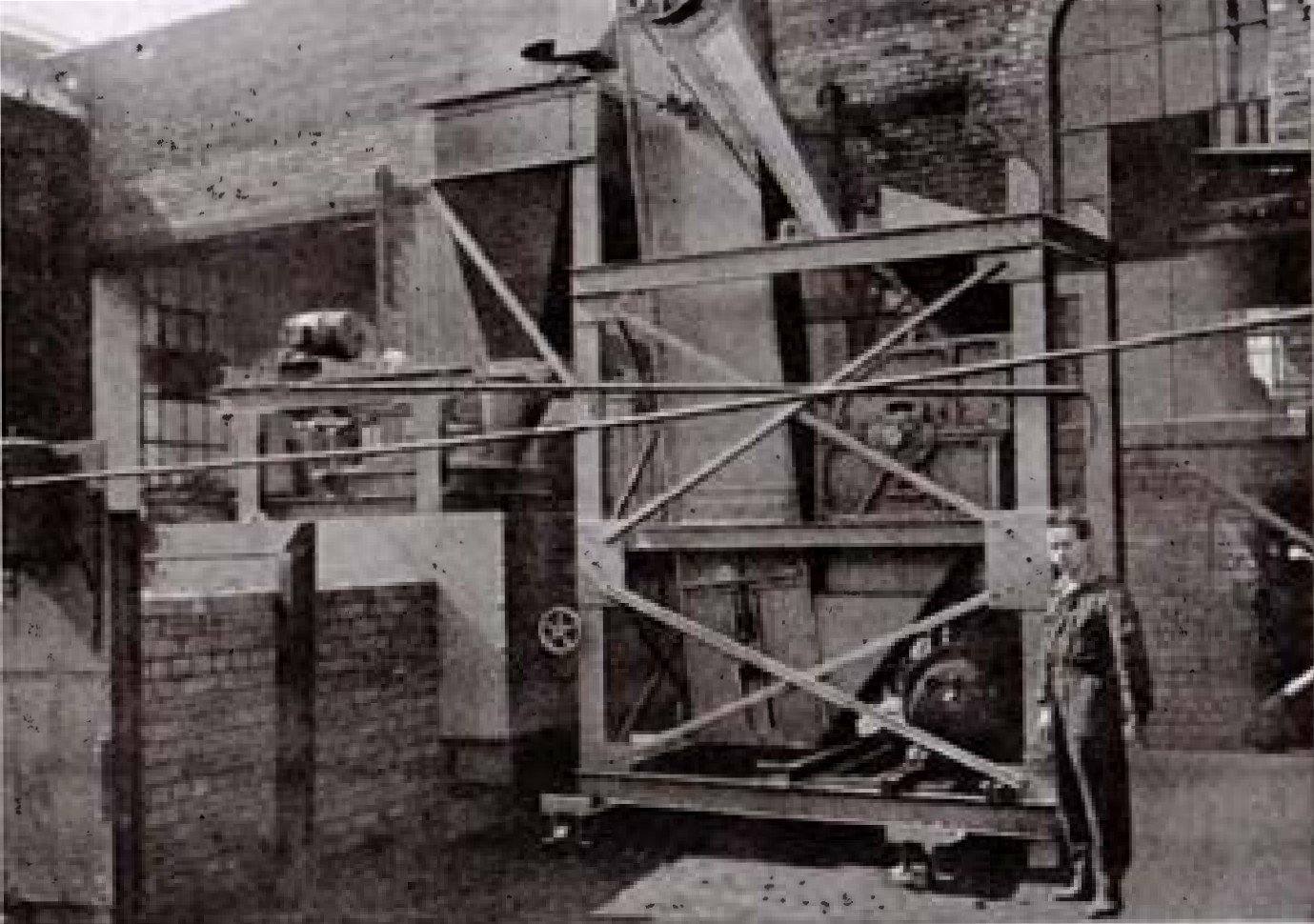
In addition to the plant shown we specialize in the manufacture of plant and machinery to customers' own drawings and designs.



▼ *Timber Steeping Preserving Tanks in course of manufacture*

▲ *Superphosphate Den in Fertiliser Factory*



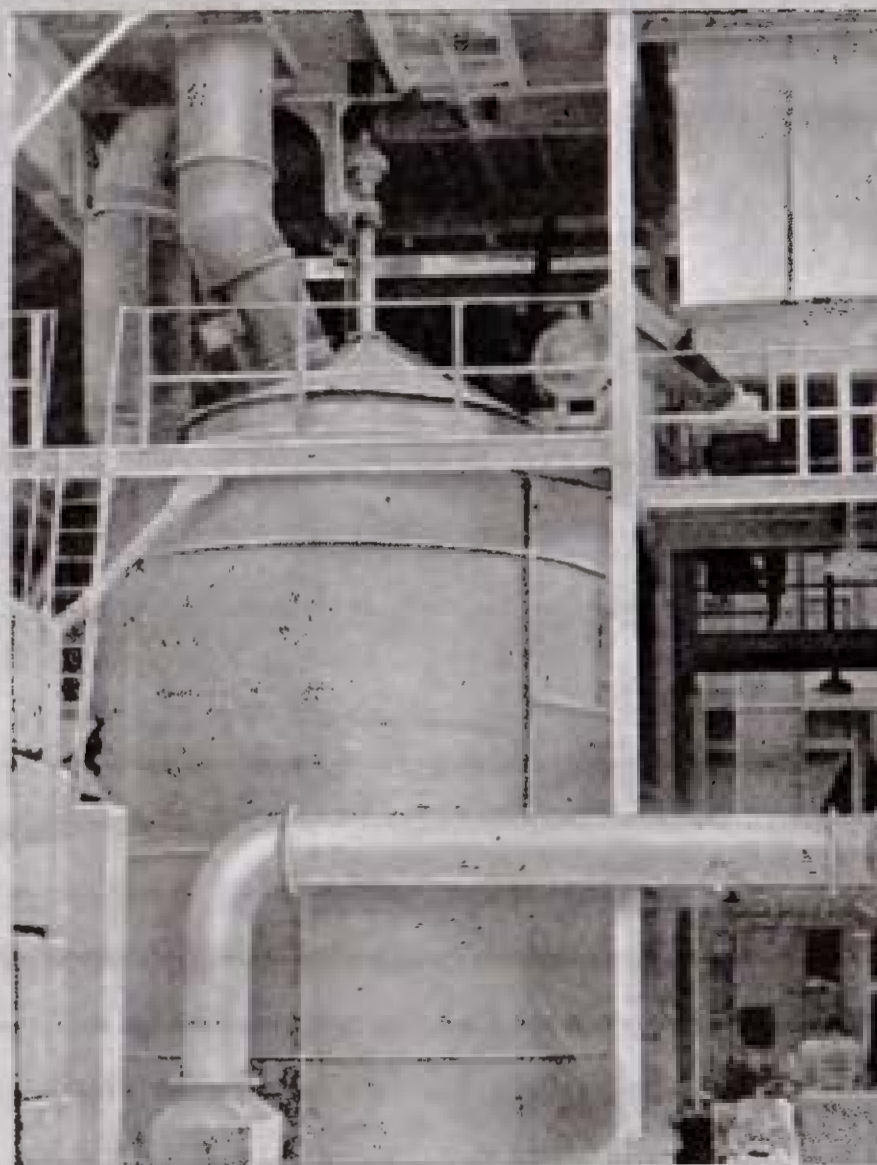


In the PLASTER INDUSTRY we have made a careful study of plant entailing the supply of Calcining

◀ *Portable Calcining Plant for Plaster*

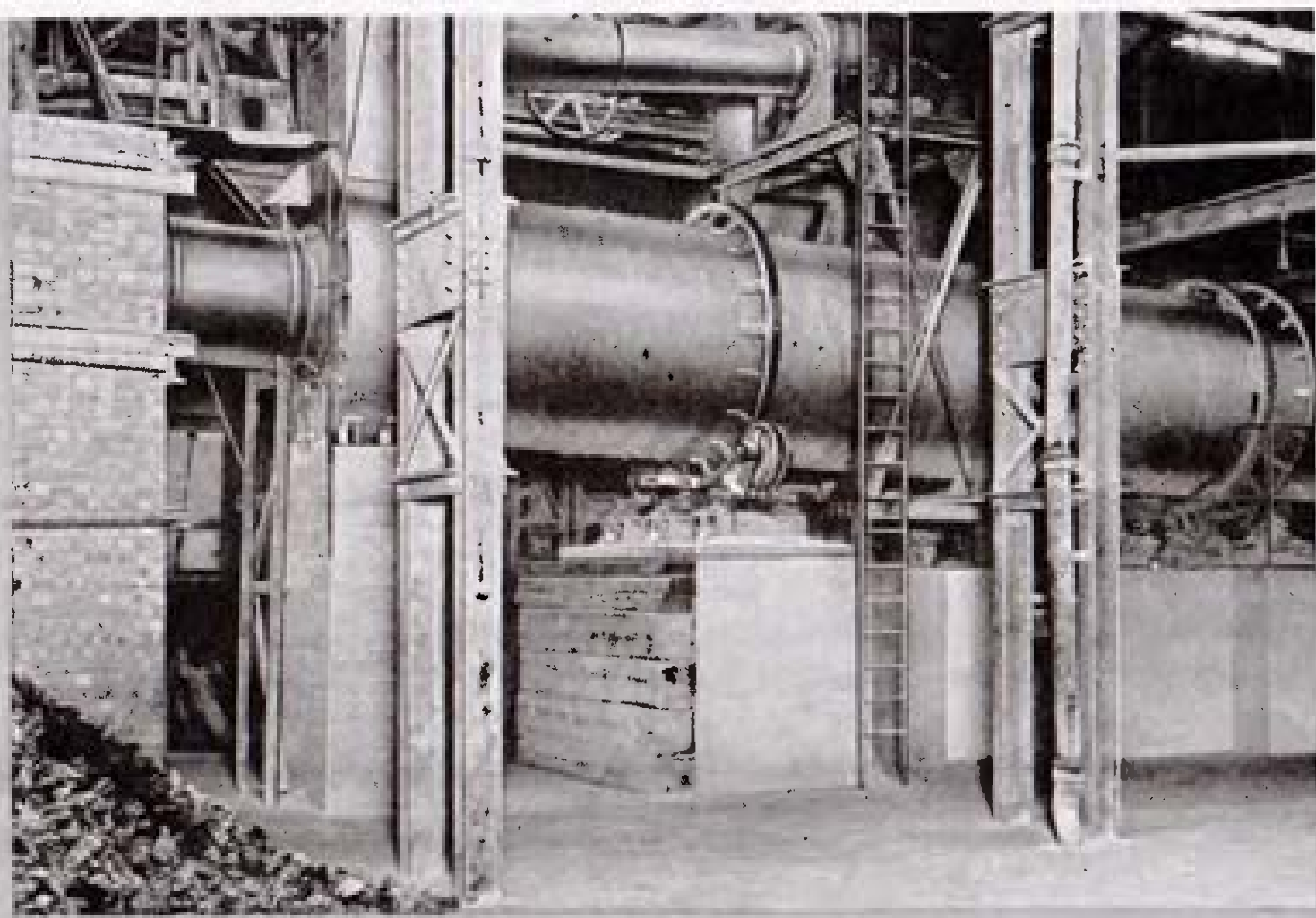


▲ *A Battery of Portable Plaster making Plant for the Middle East*

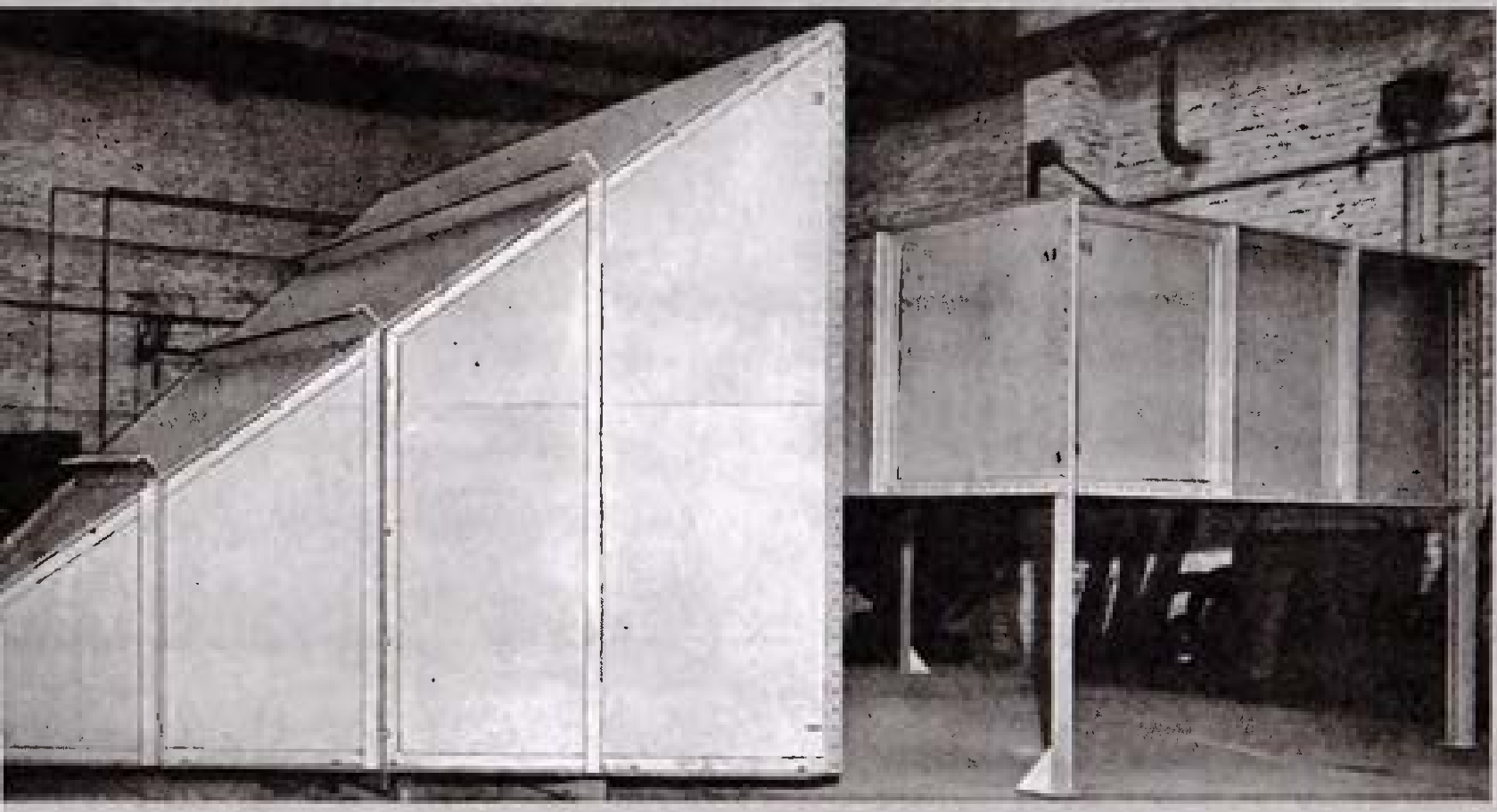


▶ *Large Fixed Calcining Kettle for the Plaster Trade*

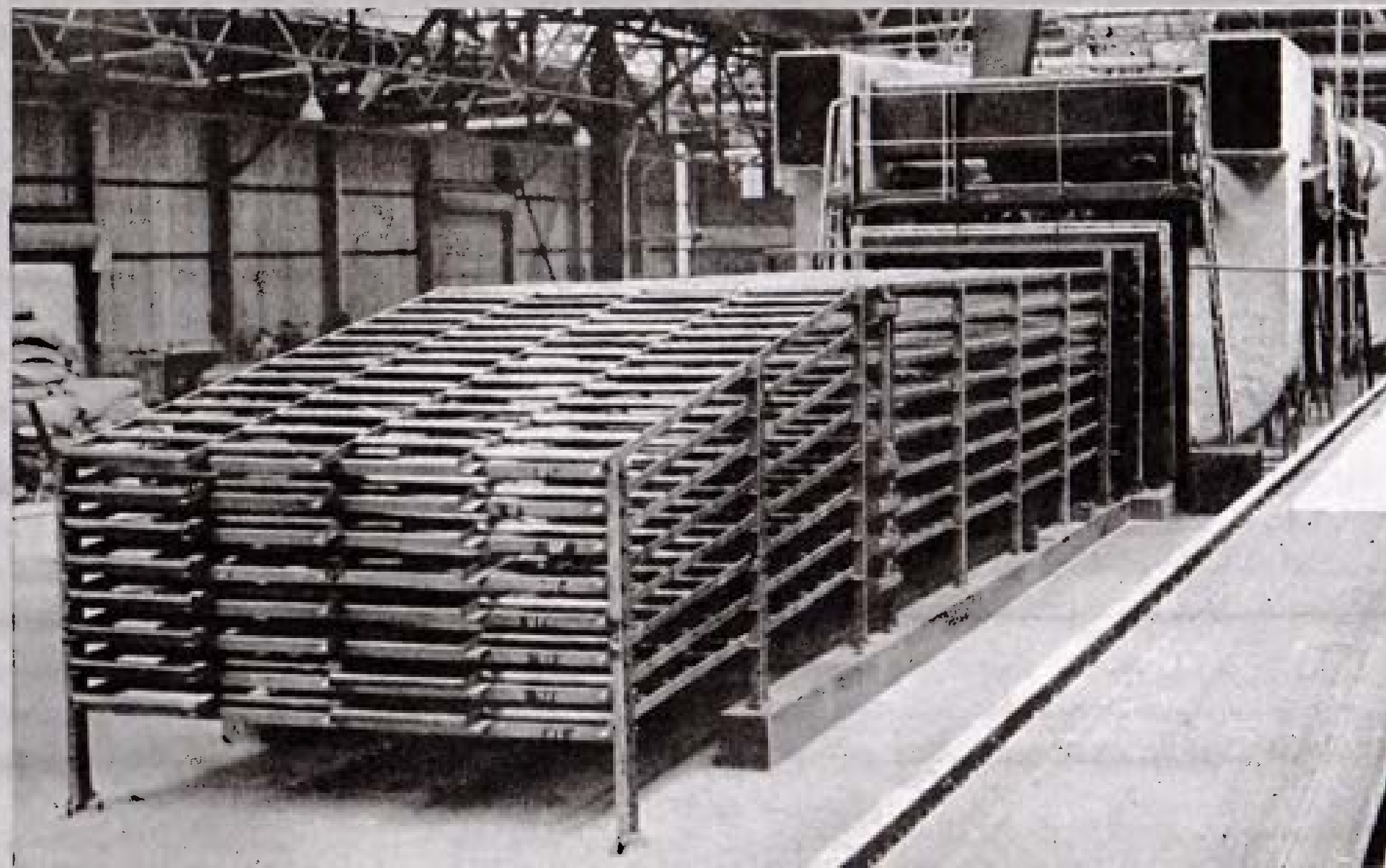
Kettles, Boiling Pans,
Rotary Dryers, Mixers,
Conveyors and Elevators,
Bunkers and Steelwork.



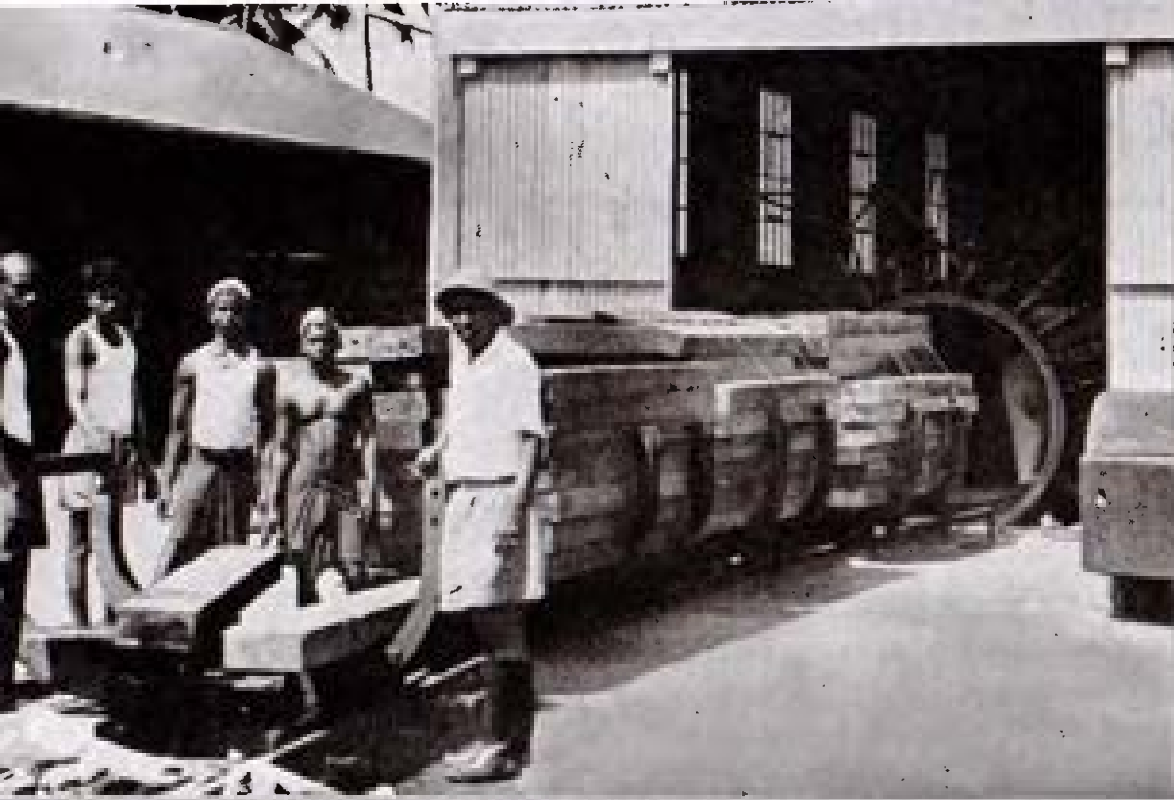
*Rotary Drying
Installation in a
Plaster Works* ▶



◀ *Bunkers &
Platework*



▶ *Drying
Plant
in the
manu-
facture
of
Plaster
Board*



▲ A large installation for the Government of Ceylon

Timber Preservation

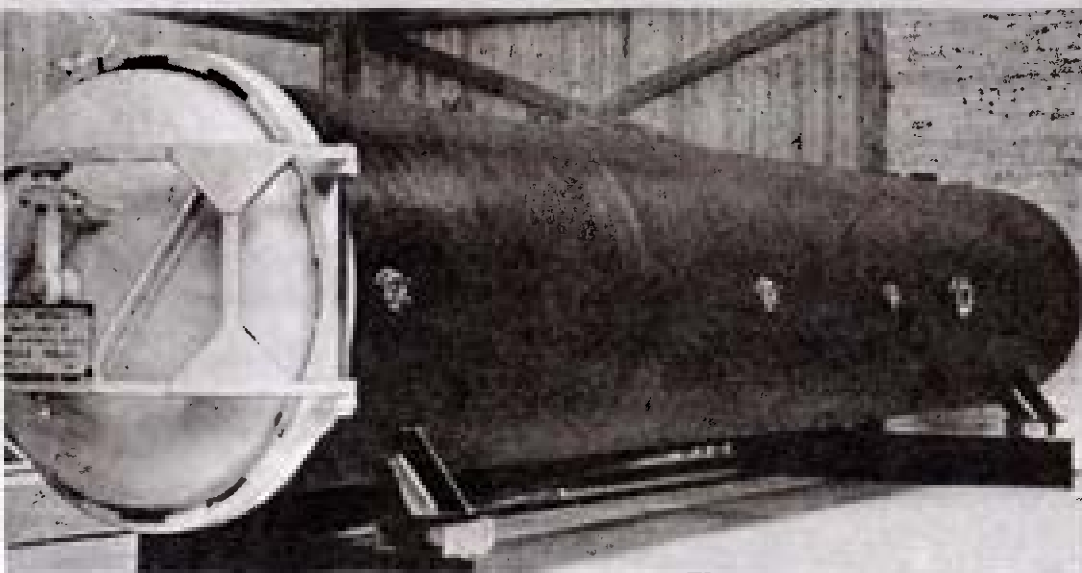
Plant for the preservation of Timber by the impregnation of preservatives is another of our specialities.

Our activities in this field are world-wide.



▲ Quick Opening Door Mechanism being used on Timber Pressure Preserving Cylinder

▼ Pressure Cylinder on completion in Works



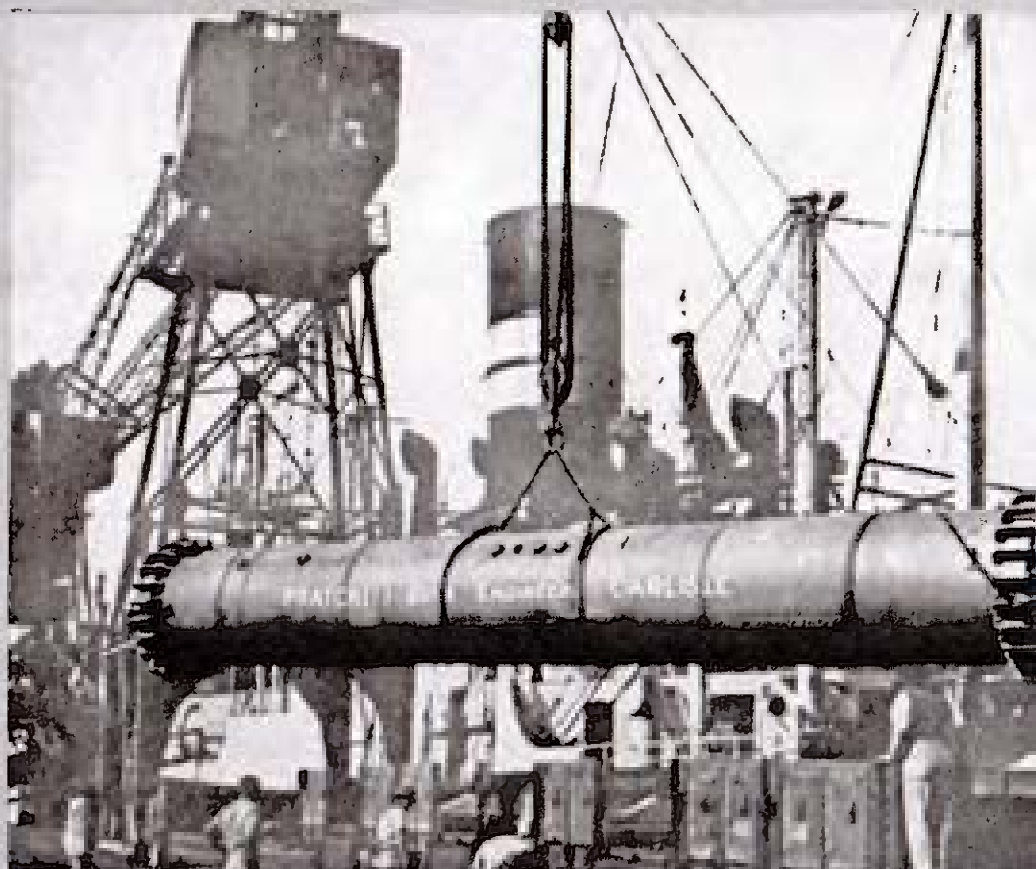
▼ Pressure Impregnating Cylinder 7' 6" dia. x 53' long en route to site



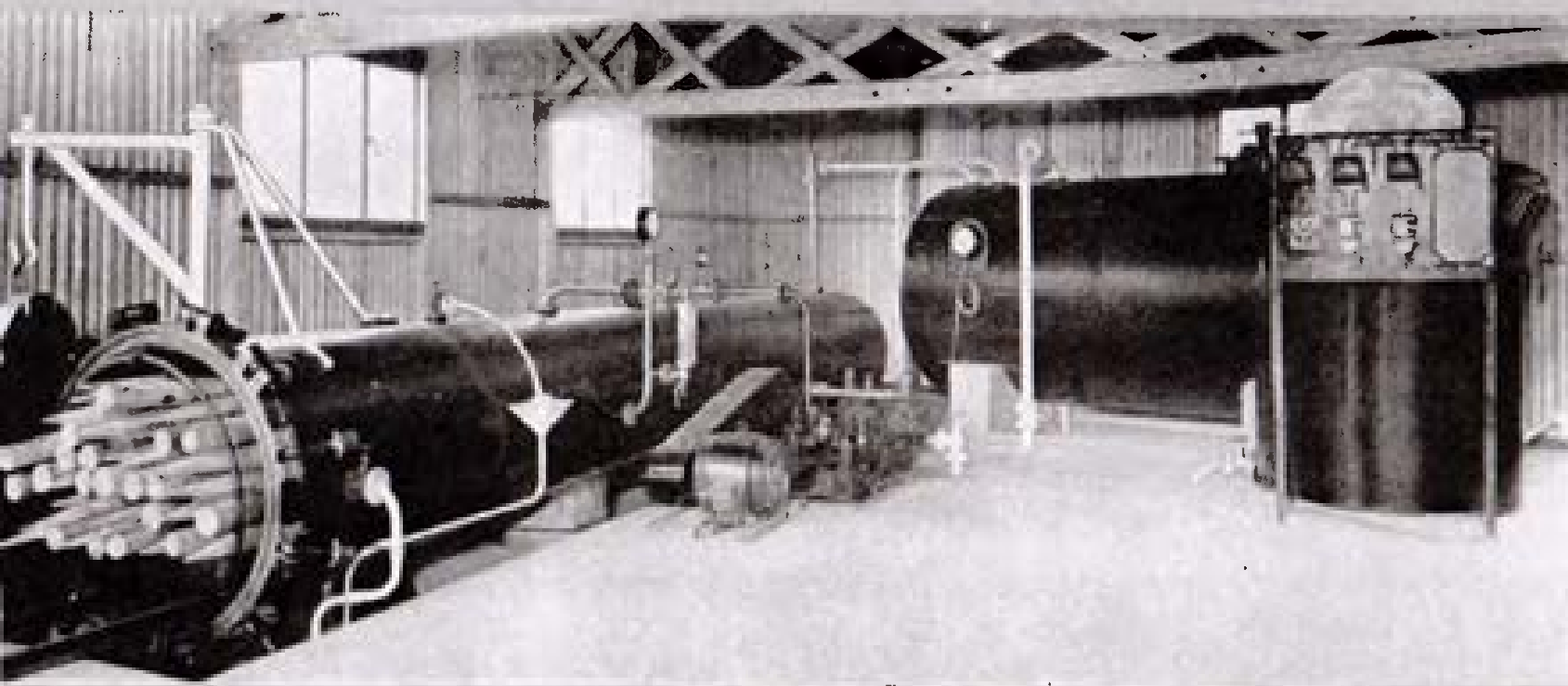


PRATCHITT BROTHERS LTD
ENGINEERS
CARLISLE.

▲ *Timber Pressure Impregnating Cylinder 6' dia. × 40' long*

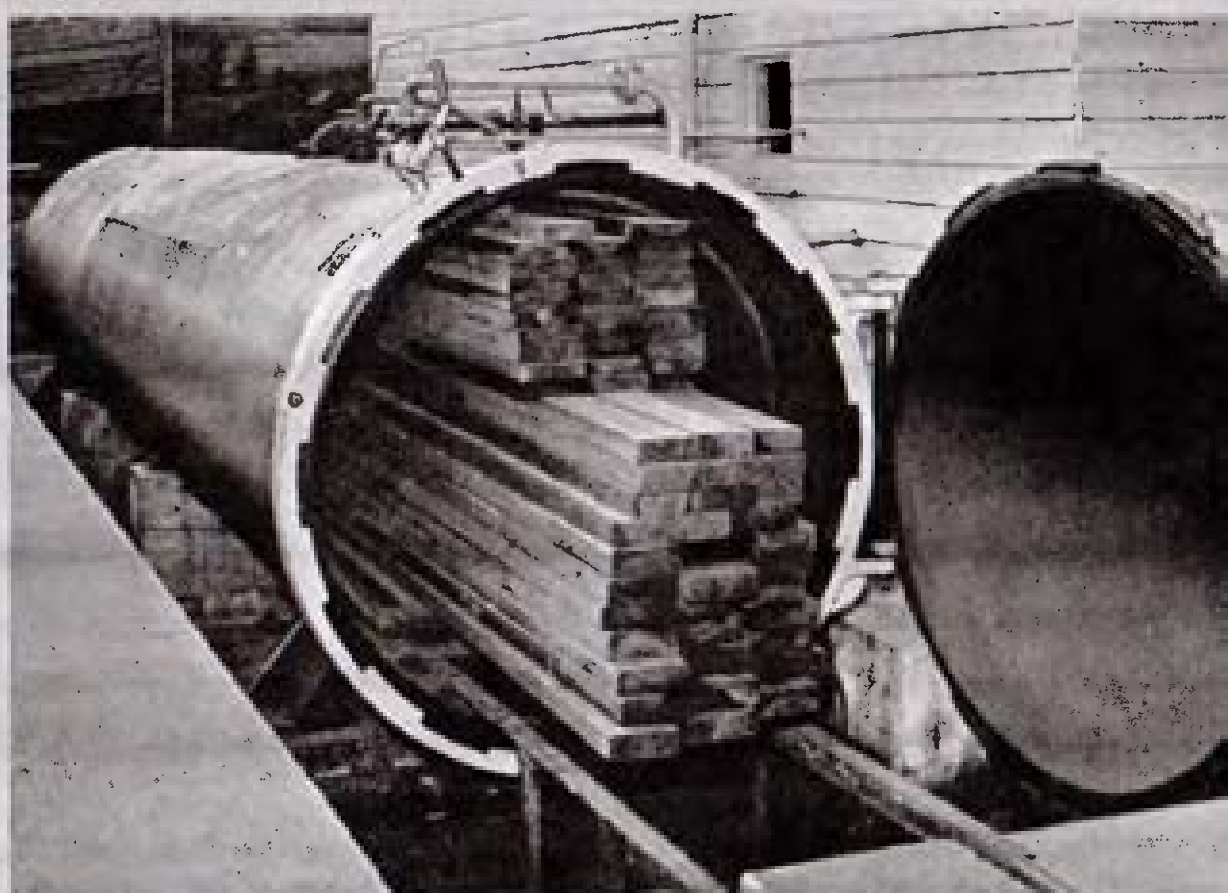


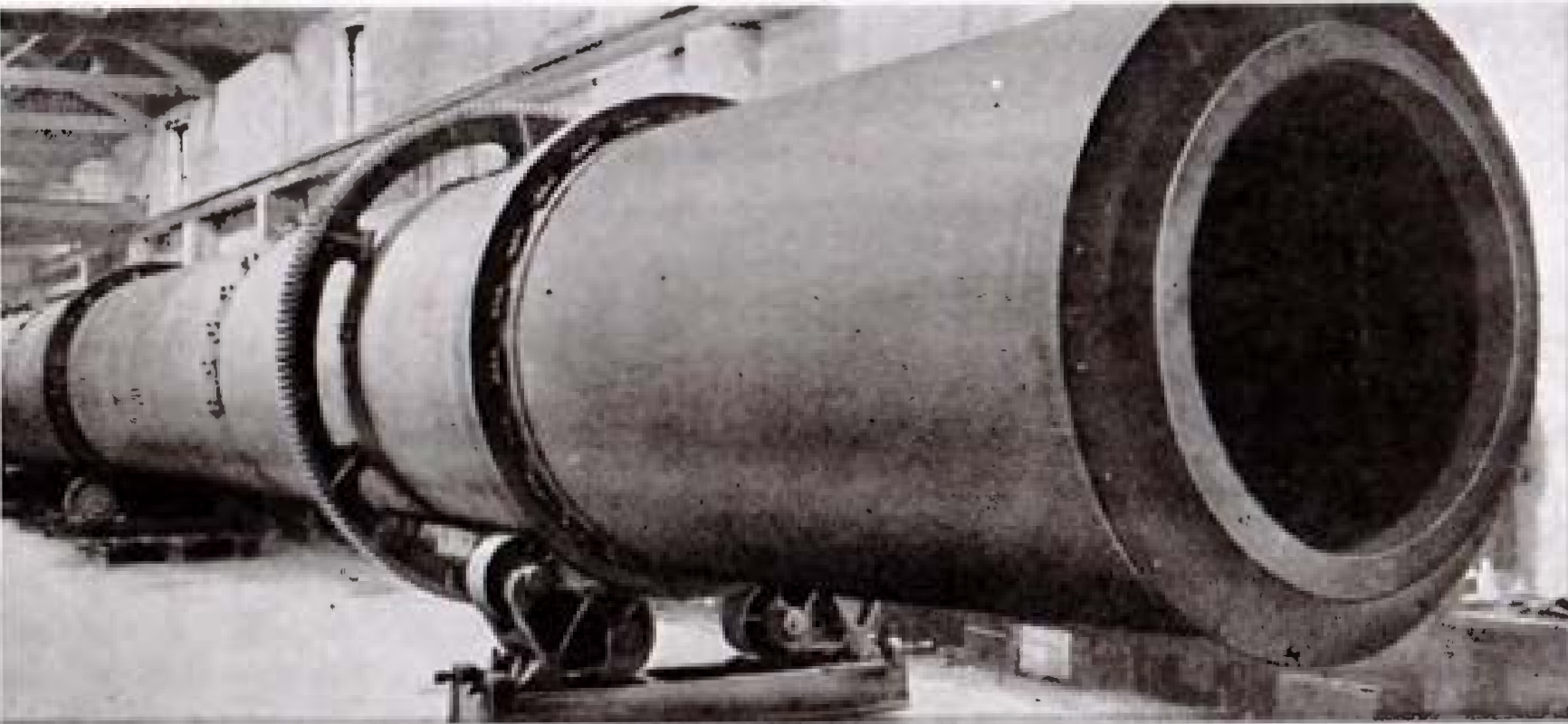
▲ *Impregnating Cylinder being unloaded at Port Elizabeth, S.A.*



◀ *Pressure Impregnating Plant for Estate and Sawmill use*

From small Laboratory Impregnating Plants we manufacture Plants with pressure cylinders ranging from 3' dia. × 18' long to a recent installation for the Indian Government Railways with pressure cylinders 6' dia. × 85' long ▶

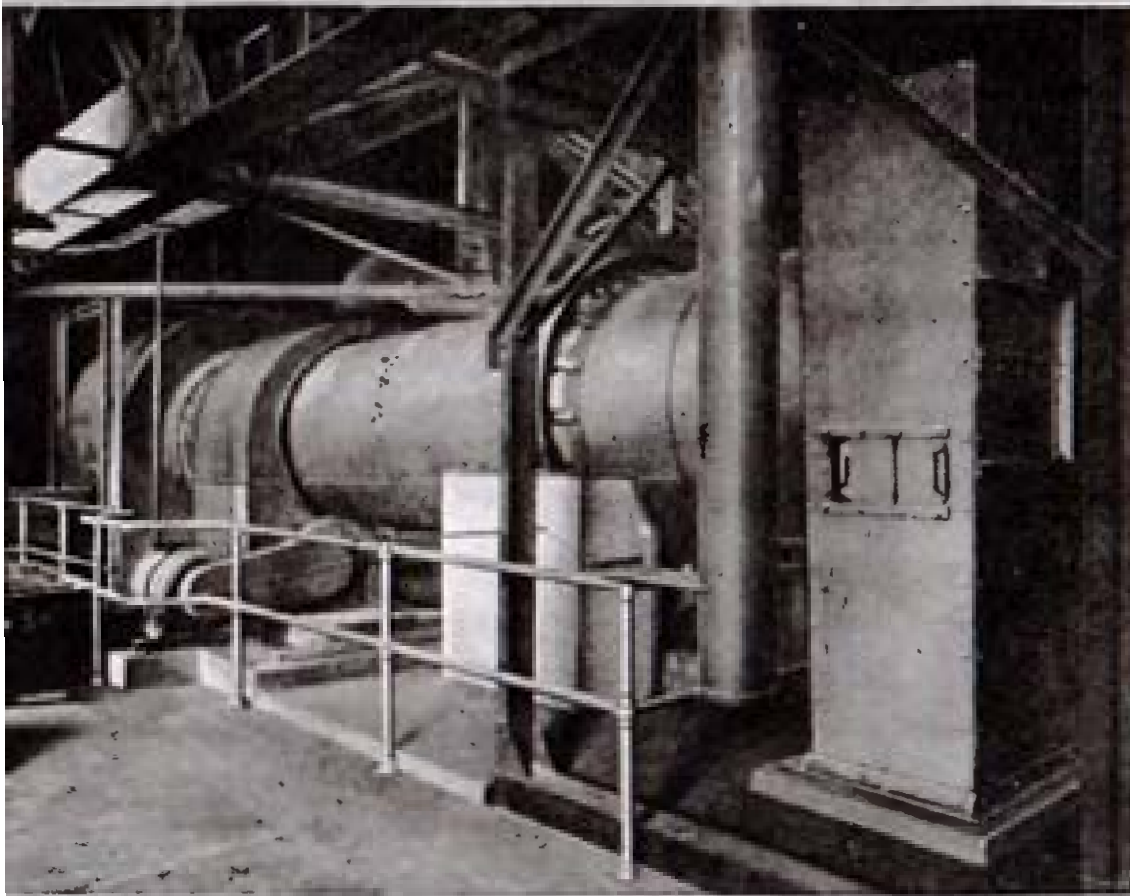




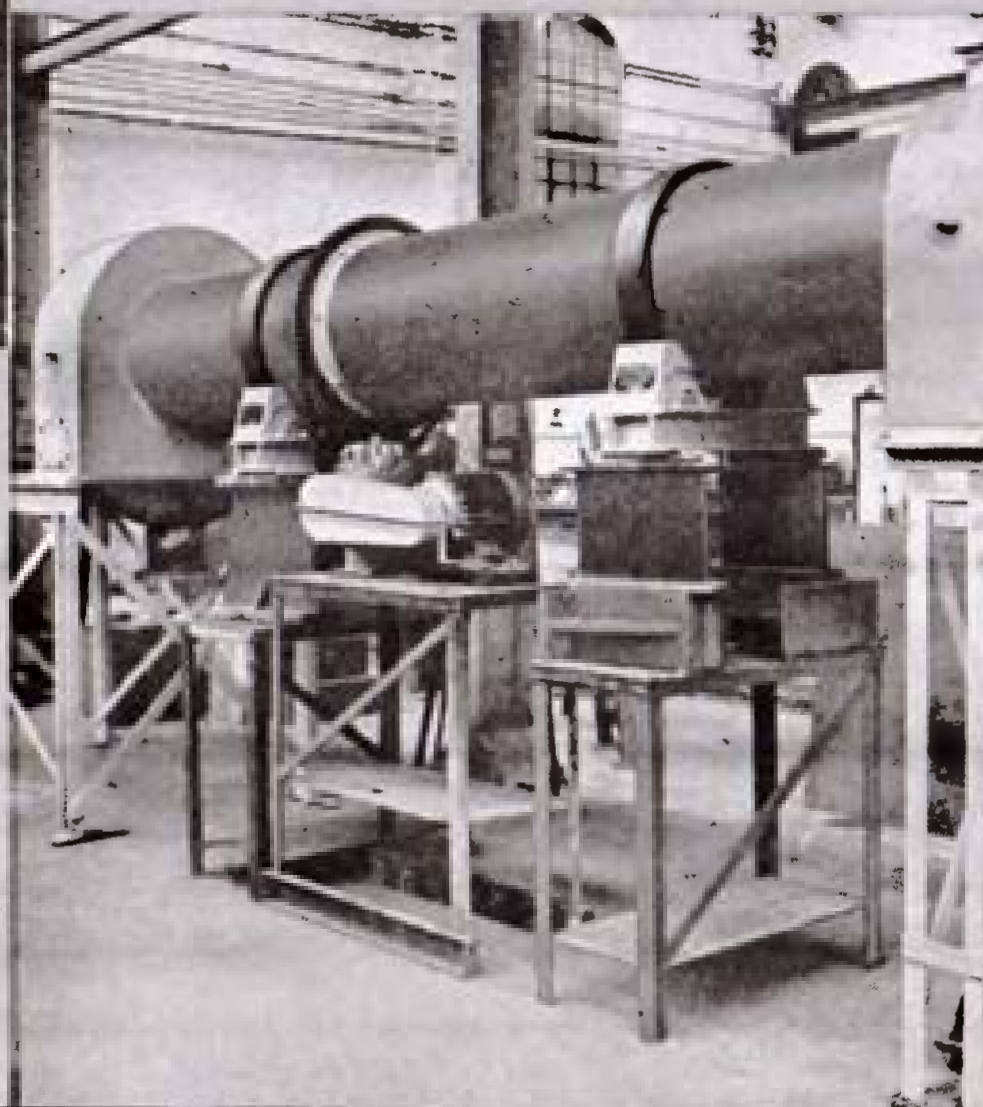
*Rotary Drying
Plant*

▲ *Rotary Drying Plant 7' 6" dia. × 71' long for Chemicals.*

*Rotary Dryer
installed in a
Chemical Works,
for handling
Saltpetre.*

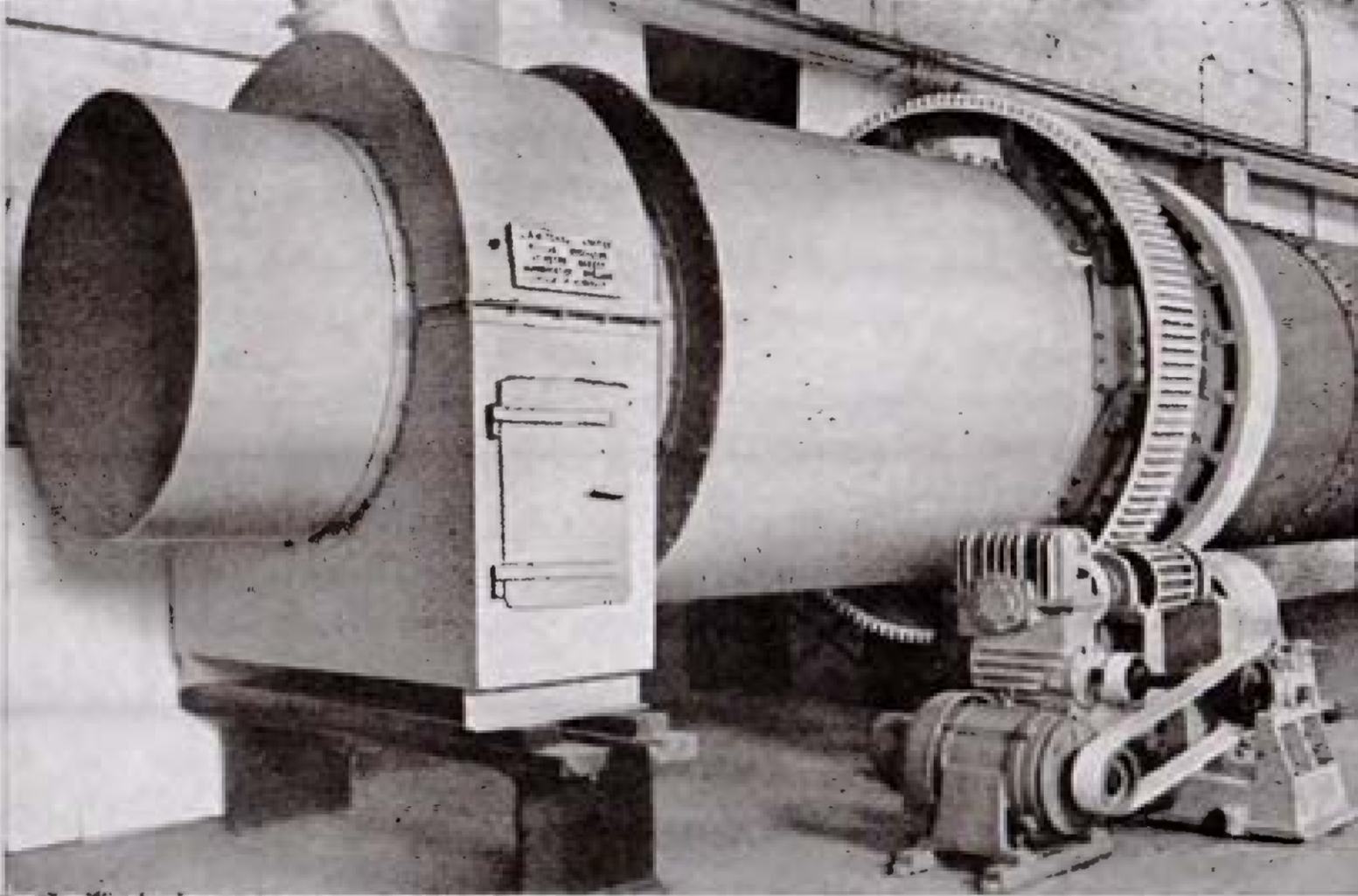


▲ *Rotary Dryer for
handling foundry
sand in the motor-car
industry.*

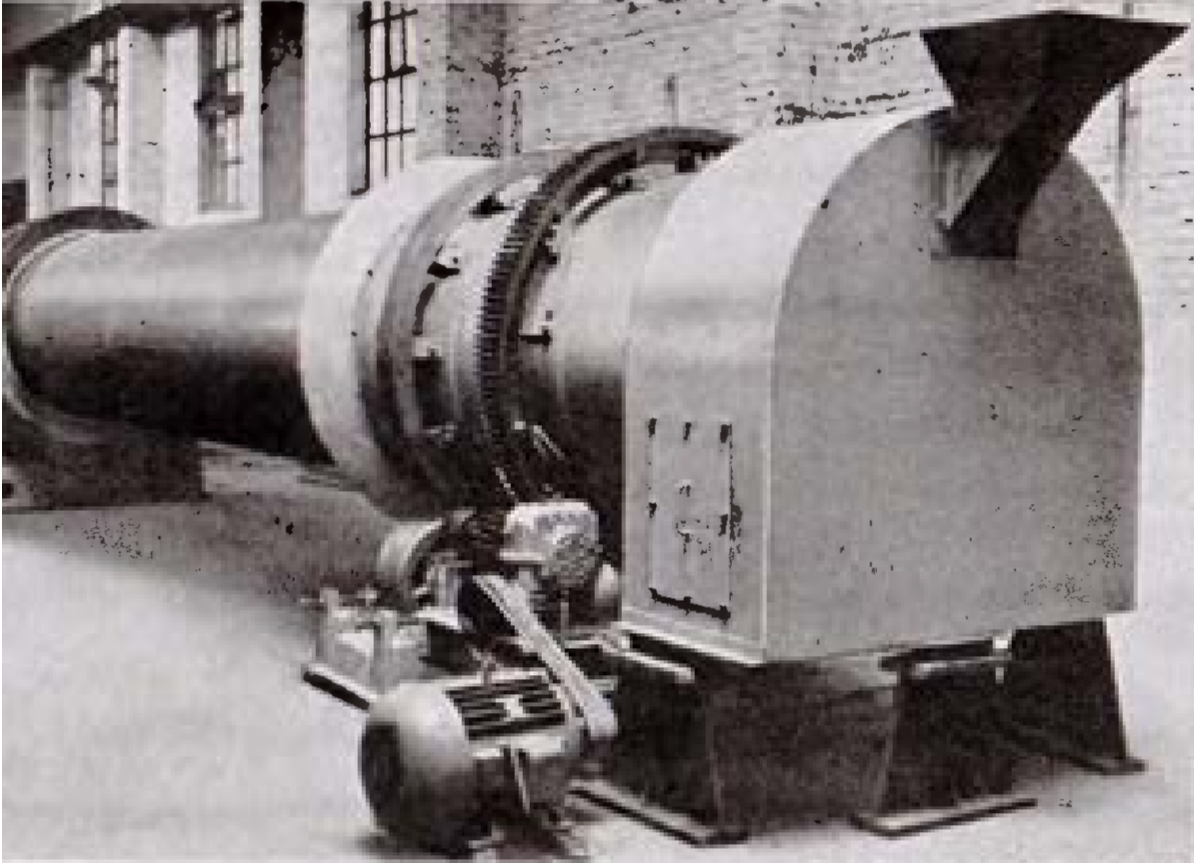


*Rotary Dryer in
Stainless Steel for
Foodstuffs.*

We make Rotary Dryers for a wide range of products and these are to be found in many industries



Rotary Dryer for export to Israel ▲

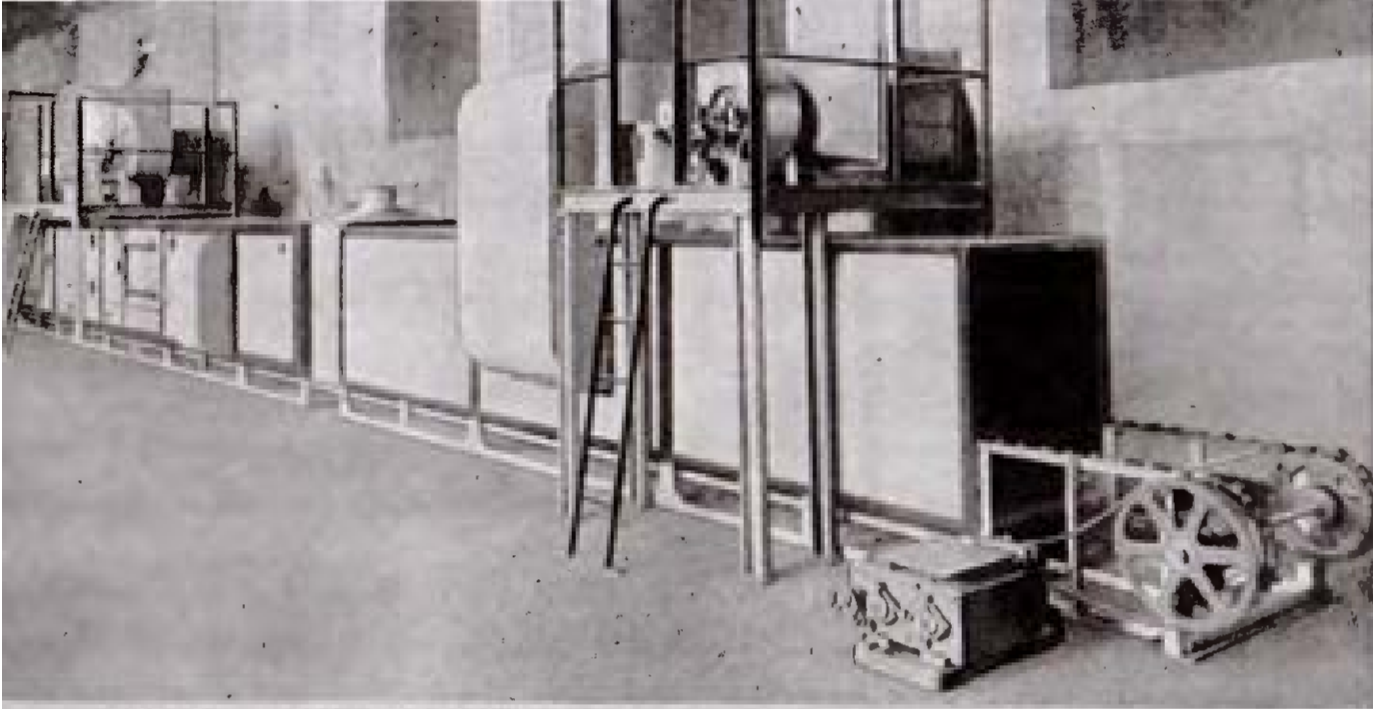


◀ Rotary Cooler for Shot 4' dia. × 30' long

*Rotary Sand Dryers for West Africa ▶
6' dia. × 50' long*

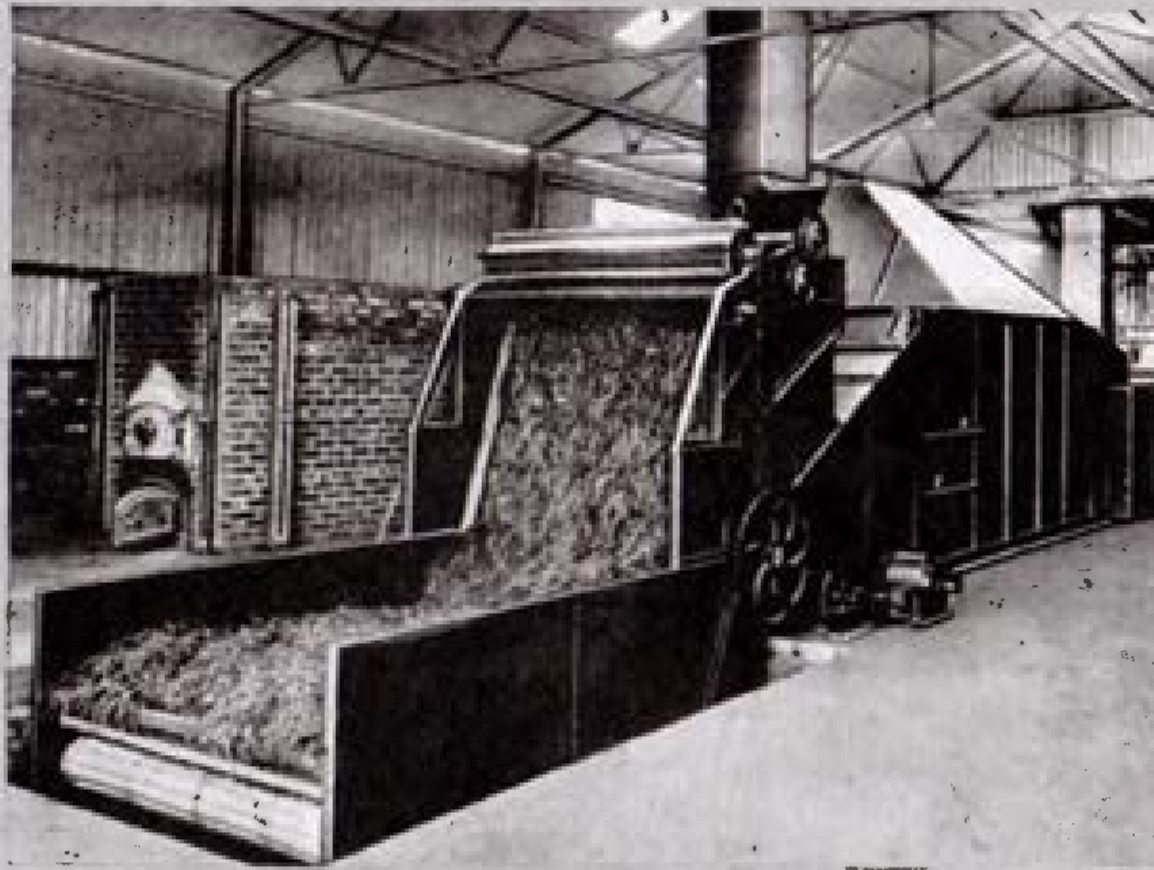


◀ Rotary Calciner 6' dia. × 40' long, weighing 24 tons, in transit



These illustrations show
some of the Plant we are
manufacturing at present.
Our experience is wide and

▲ *Conveyor Dryer for Chemicals*

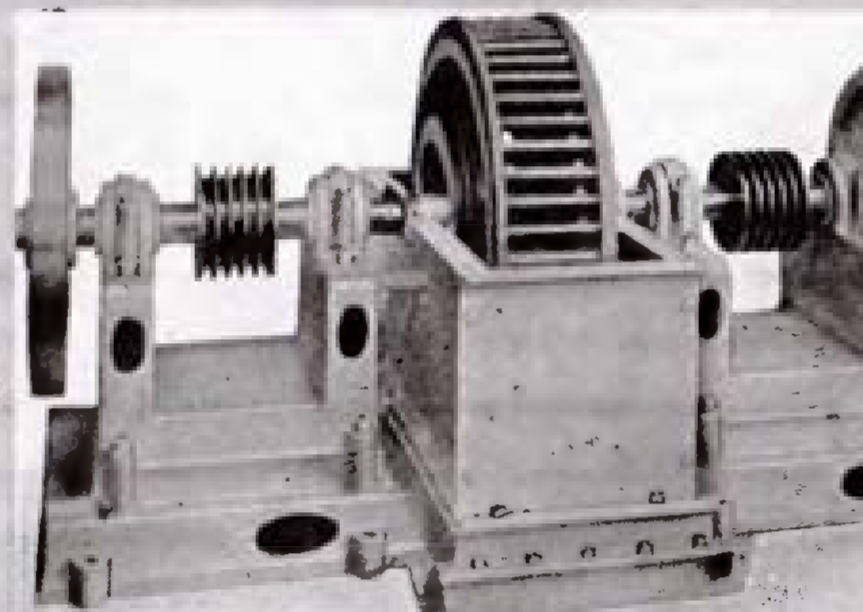


▶ *Crop Drying Plant
for Agriculture*

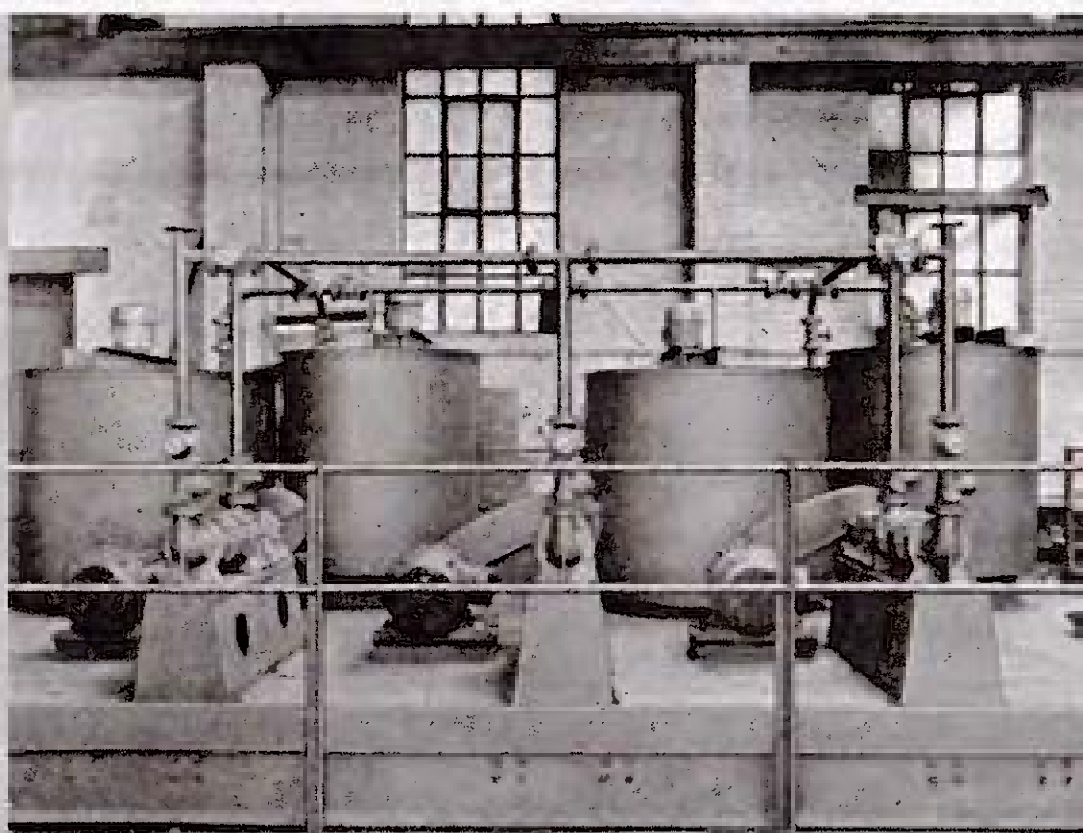


◀ *Stainless Steel
Mixing Tanks*

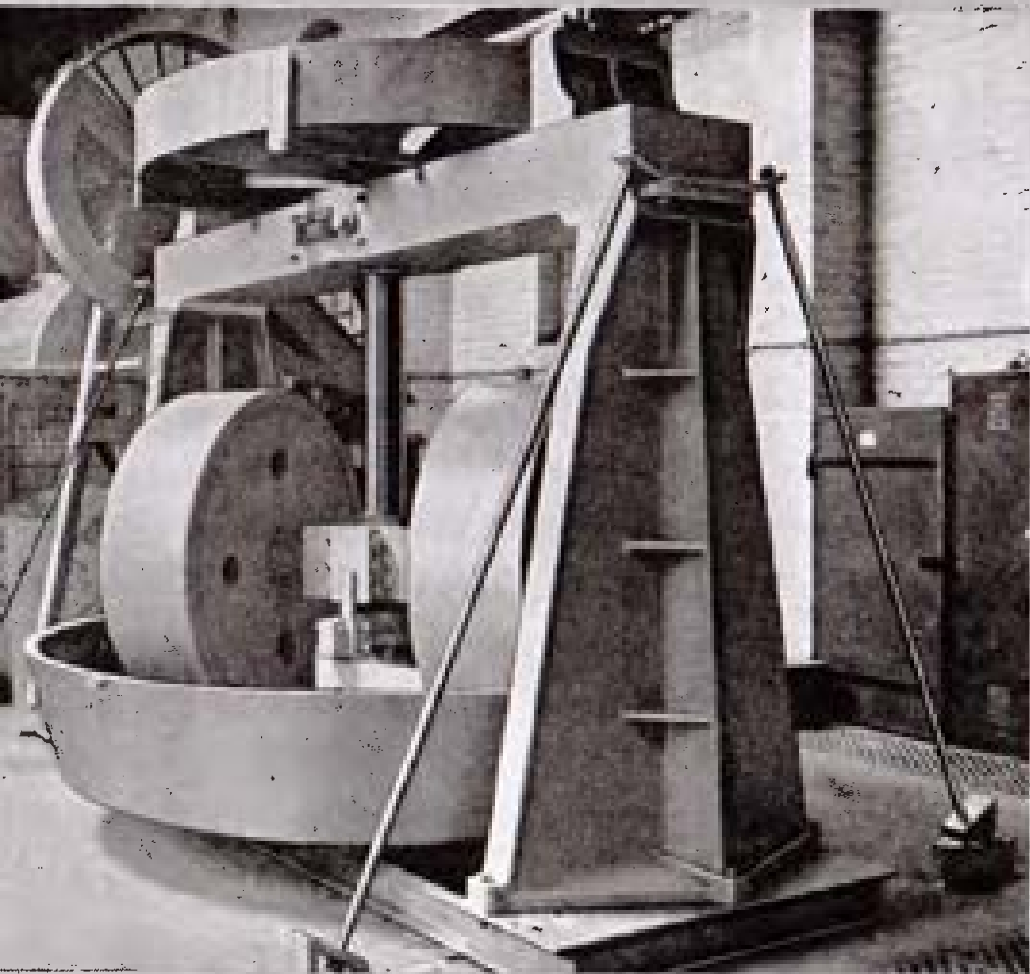
▶ *Disintegrator for
pulverizing and
mixing coal and
other hard materials*



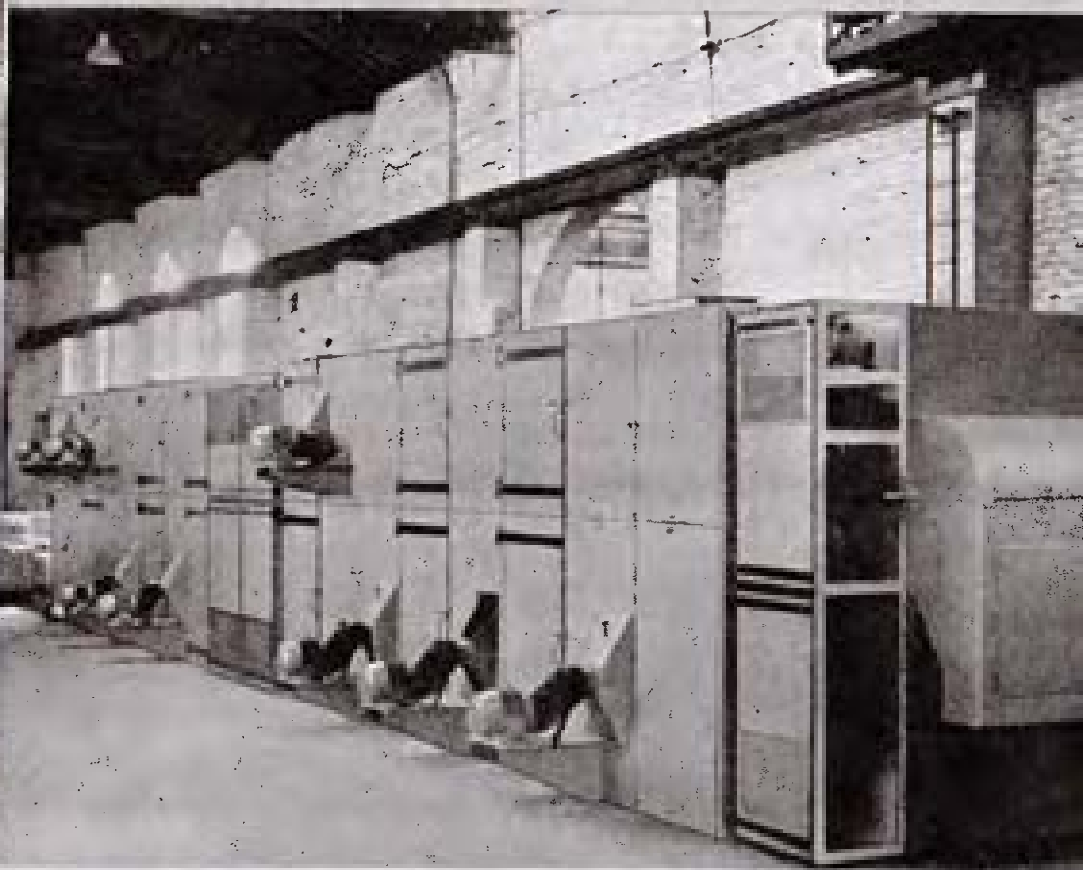
varied, and our methods are based on modern techniques and workshop practice.



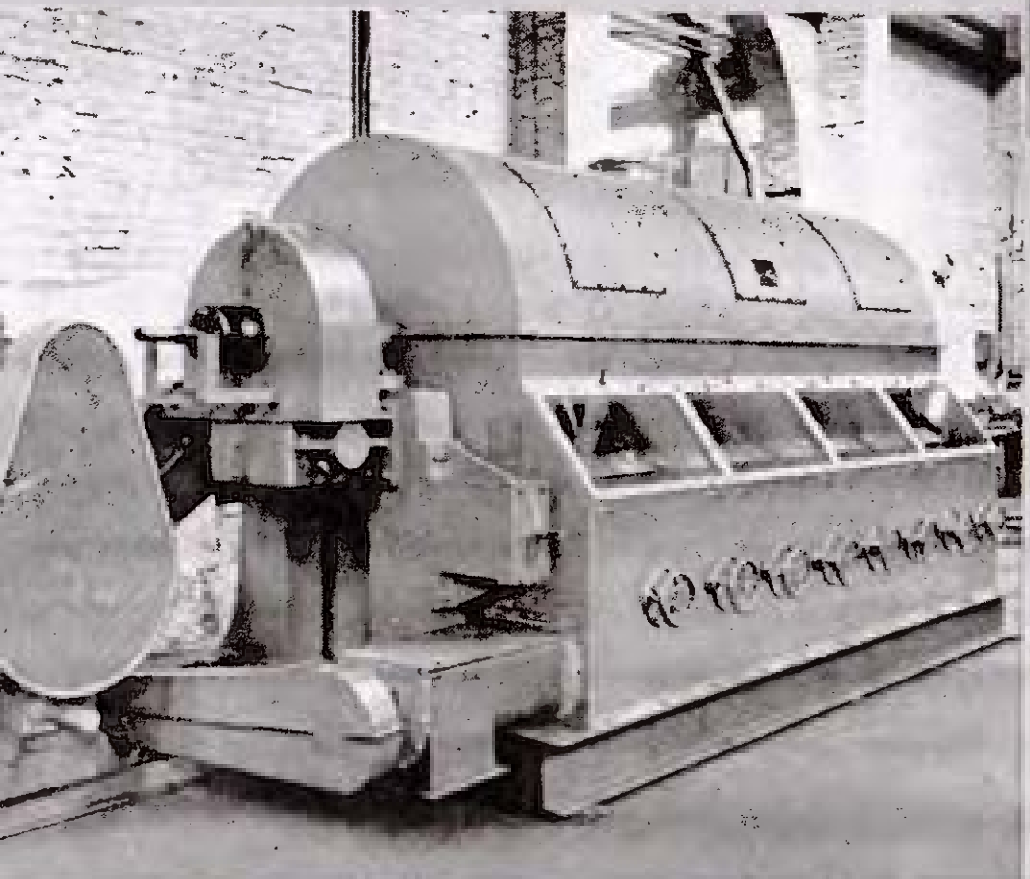
▲ Slurry Mixing Plant for Mechanized Foundry at Dagenham



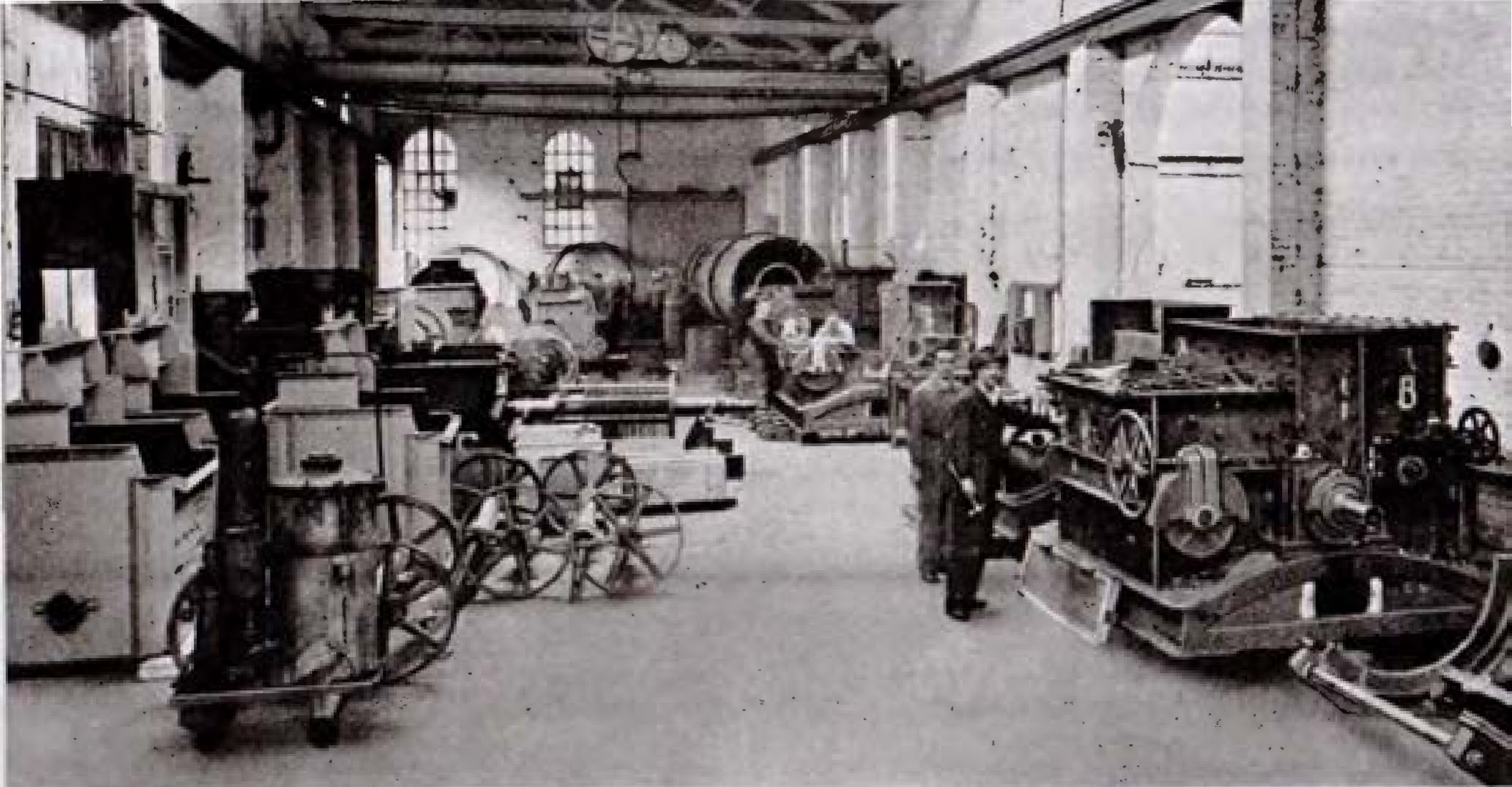
◀ Grinding and Crushing Mill with 10' Pan for Steel Works



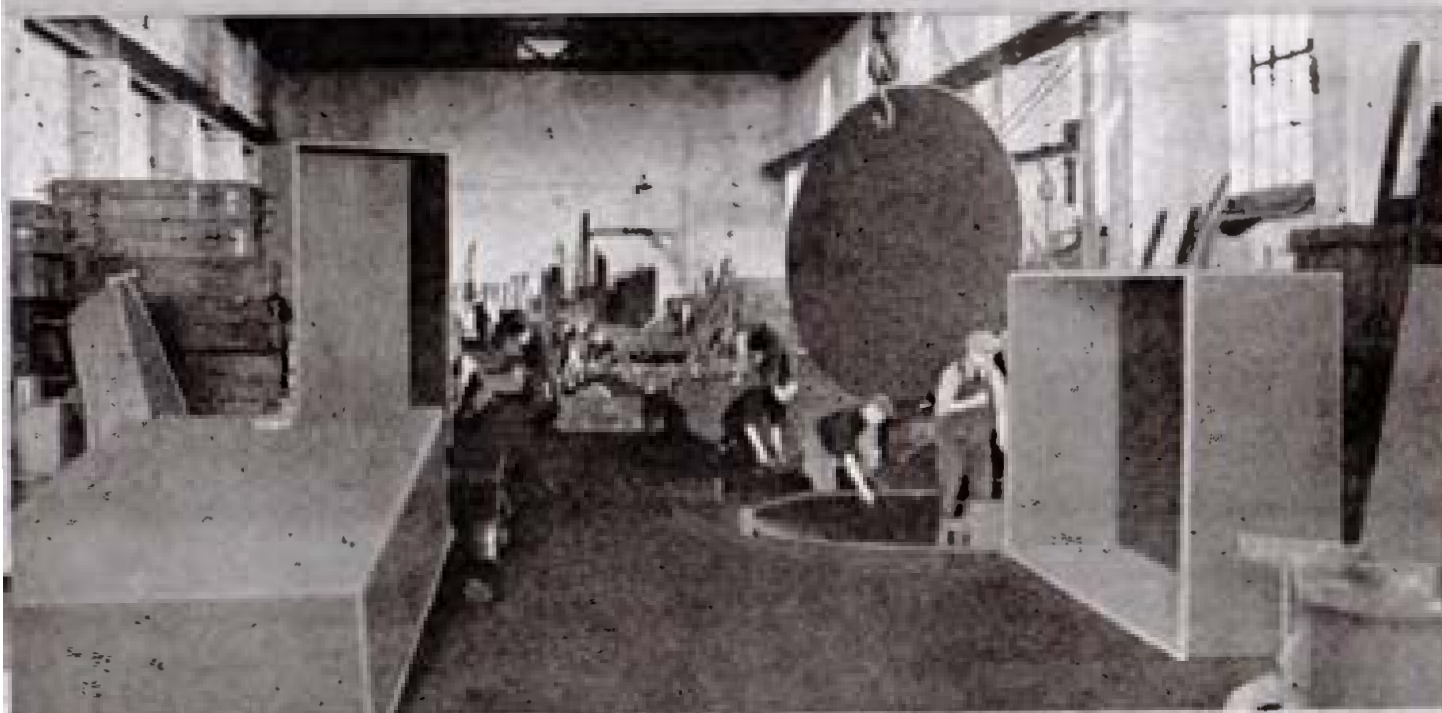
Continuous Drying Oven for Foodstuffs ▶



◀ Film Drum Dryer with 4' dia. × 11' Drum for Chemical Industry



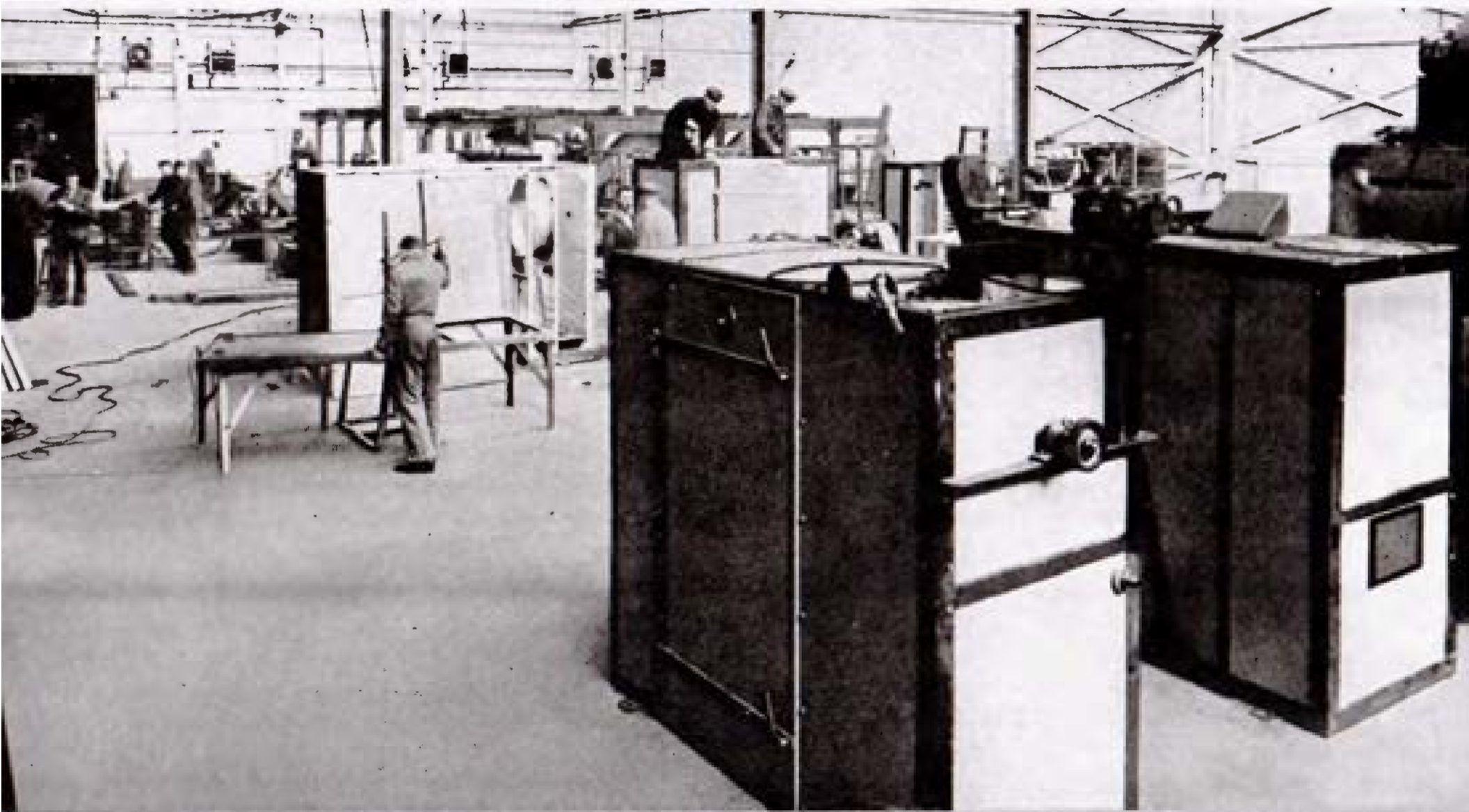
▲ *Work in progress in Assembly Shops*



▲ *Iron Foundry producing castings up to 6 tons*



Work in the Machine Shop ▶



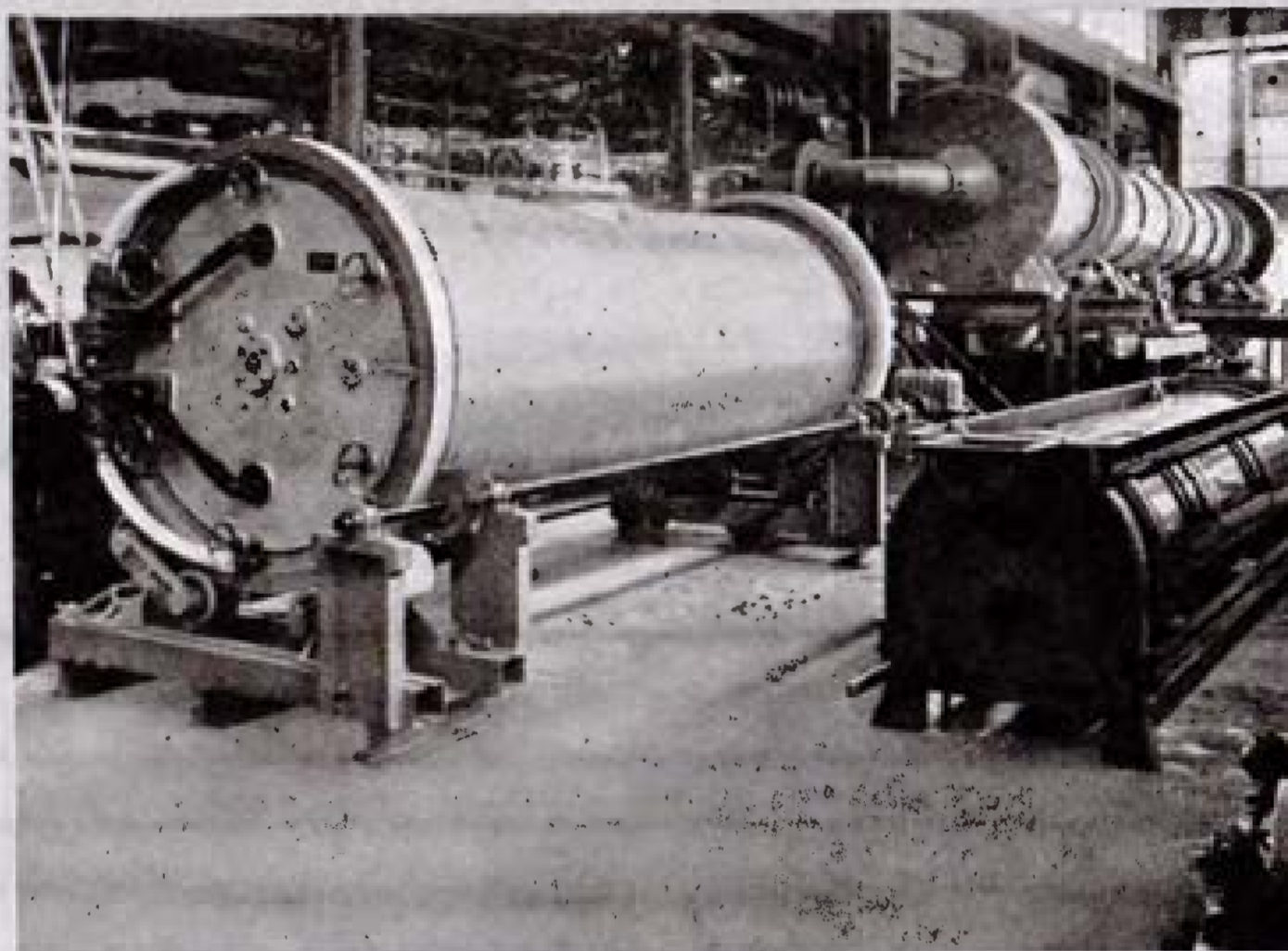
▲ *Drying Stoves being assembled in the Dryer Assembly Shop*



◀ *View of Boiler Shop showing Mixers for the Sugar Industry*

▼ *Rotary Drying Plant being completed in works*

These views are taken of our workshops showing their spaciousness and capabilities enabling us to handle plant of considerable size.



Social Activities

ON THIS PAGE the firm of Pratchitt Brothers Limited pays tribute to the loyalty, pride in craftsmanship and conscientious demeanour of its employees. These attributes have contributed greatly to the success and growth of the firm and the reliability of its products during the last century. The firm is indeed fortunate in possessing such a staff and the good relations which exist between management and employees is reflected in the proud records of long service held by a number of its members – one employee, Bob Hart, has a record which is unique, he has been with the firm over fifty years, he is the third generation of his family to serve the firm, and he has now been joined by his son.

Contributory and Non-Contributory Pension Schemes cater for those on retirement and every encouragement is given to the young to train as expert craftsmen.

In 1934 a Sports and Social Club was formed by the employees so that they could organize their own sporting and social activities and also cater for their welfare, and this venture had the blessing and encouragement of the firm. The first Chairman of this Club was Mr. William

Jackson (Fitting Shop) with Mr. Albert Younghusband (Secretary of the firm) as the Club's first Secretary. Much useful work has been, and is being carried out, by this Club. Football has been the favourite activity during the winter months whilst bowls and swimming are most popular during the summer months. An Annual Dinner, and later, Dinner and Dance, has taken place, with the exception of the war years, since the Club's founding, and during the summer an Annual Day's Outing is arranged – the members on these occasions being joined by their wives and families. A well organized Sick Fund caters for the members of the club during sickness. This Club is financed by weekly subscriptions from its members and donations, and at present the Club is under the chairmanship of Mr. J. Cairns (Machine Shop) with Mr. J. T. Mann (Estimator) as Secretary.

The good work carried out by the Club is appreciated and encouraged by the patronage of the Chairman of the Company and the Board of Directors, who take every opportunity in joining the employees in their annual activities.





The Photographs on this and the opposite page show Management, Office and Works Staff and guests at this year's Annual Dinner





Apprentices' visit to Ford Motor Works, Dagenham, March 1959, with Mr. J. Cairns in charge.



◀ *Our Social Club's first Football Team.*

A Party on the Lakes during one of the Annual Outings. ▶

