

# LJUNGMAN

# *Service*



**LJUNGMAN** / **Wayne**  
**MUSEIFÖRENING**

Reprint of  
Ljungmans Service 1938

2013

Year 9

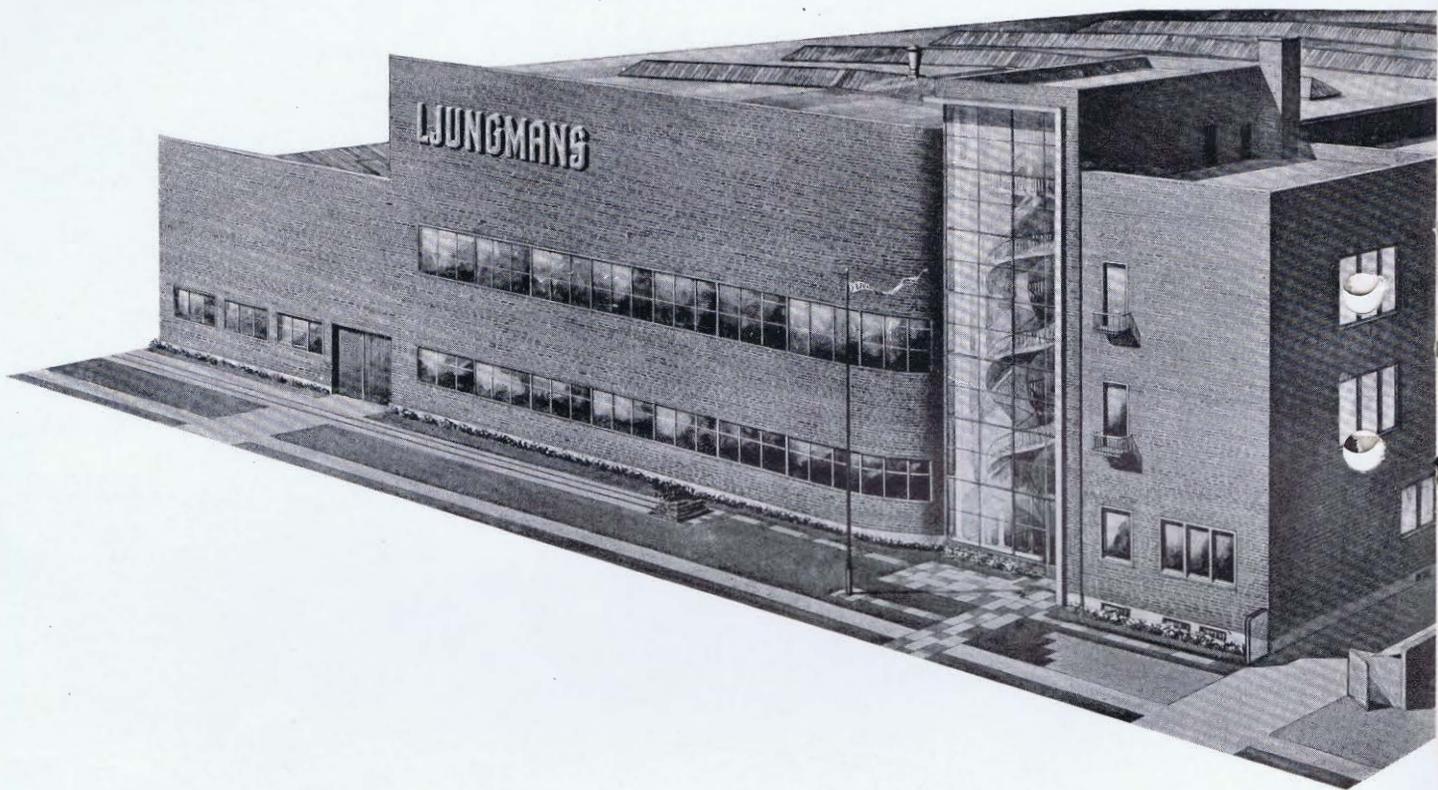
**AKTIEBOLAGET J. C. LJUNGMAN · MALMÖ**

LJUNGMAN *Service* 1938

# LJUNGMANS



one of Europe's leading factories for the manufacture of metering apparatus for petrol and oils, service equipment, air compressors and paint spraying outfits. **LJUNGMANS** products have found a market in every civilized country of the world.



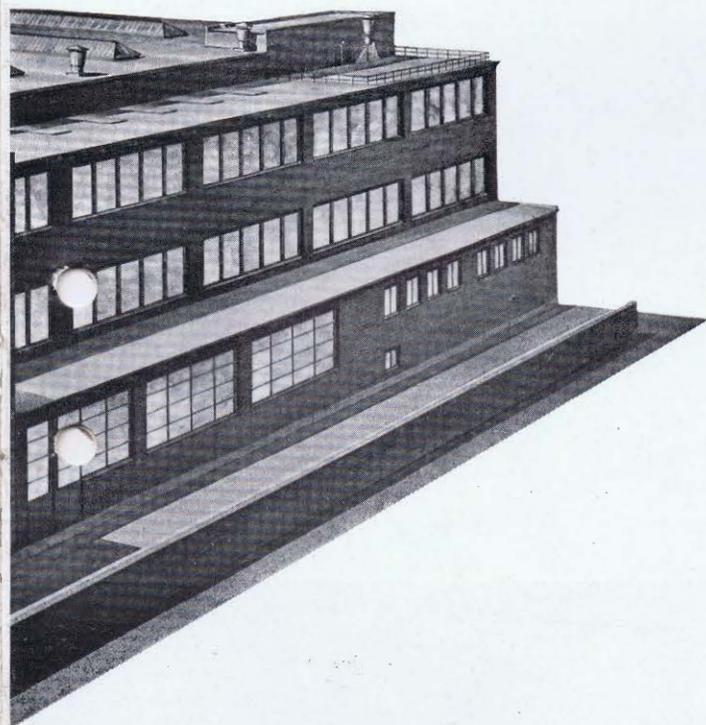
## THE BUILDING WHICH IS A MACHINE

Anybody making a tour of LJUNGMAN'S new establishment cannot fail to realize how the new type of industry is different from the old. Literally as different as night is from day, for light is the distinguishing feature both of the modern dwelling and the place of work.

Through extensive window walls and skylights, light streams in to airy halls. Ventilators attend to the pumping in and the discharge of 30,000 cub. met. of fresh air per hour. Well-being has been enhanced by the provision of large well-lighted dining halls, changing rooms with lockers, showers and wash-bowls with warm water. Up on the roof there is an open-air lunch terrace for the staff.

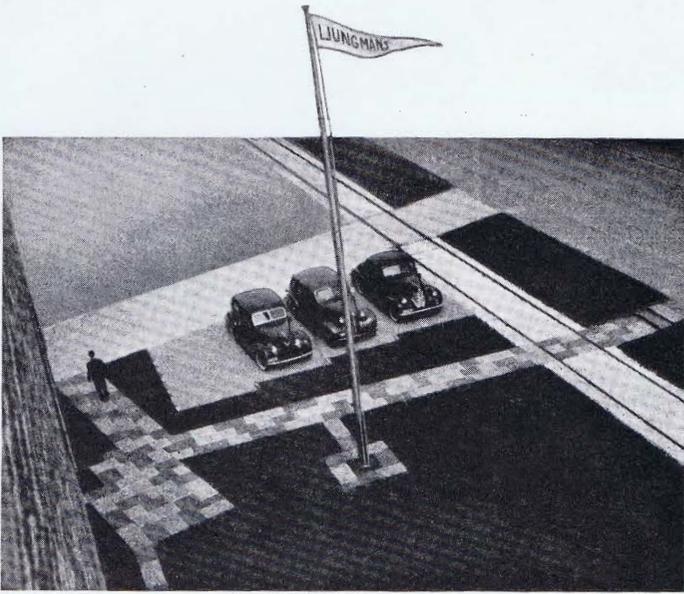
LJUNGMAN'S new establishment is entirely designed on the lines demanded by rational manufacture of meter apparatus, compressors, grease-guns etc. The main building has three floors containing workshops and offices. The sheet-metal shop is a one-storey erection joined on to the main building. Raw material is unloaded direct from trucks at the ground-floor. On this floor is executed the heavier kinds of work while lighter operations are carried out in the upper floor. A two-ton hoist conveys the material to the machinery hall where it is worked up in modern machines before proceeding to the assembly, testing, inspection, adjustment, galvanizing and painting departments. At the top of the office building are the technical departments with engineering office and works control.





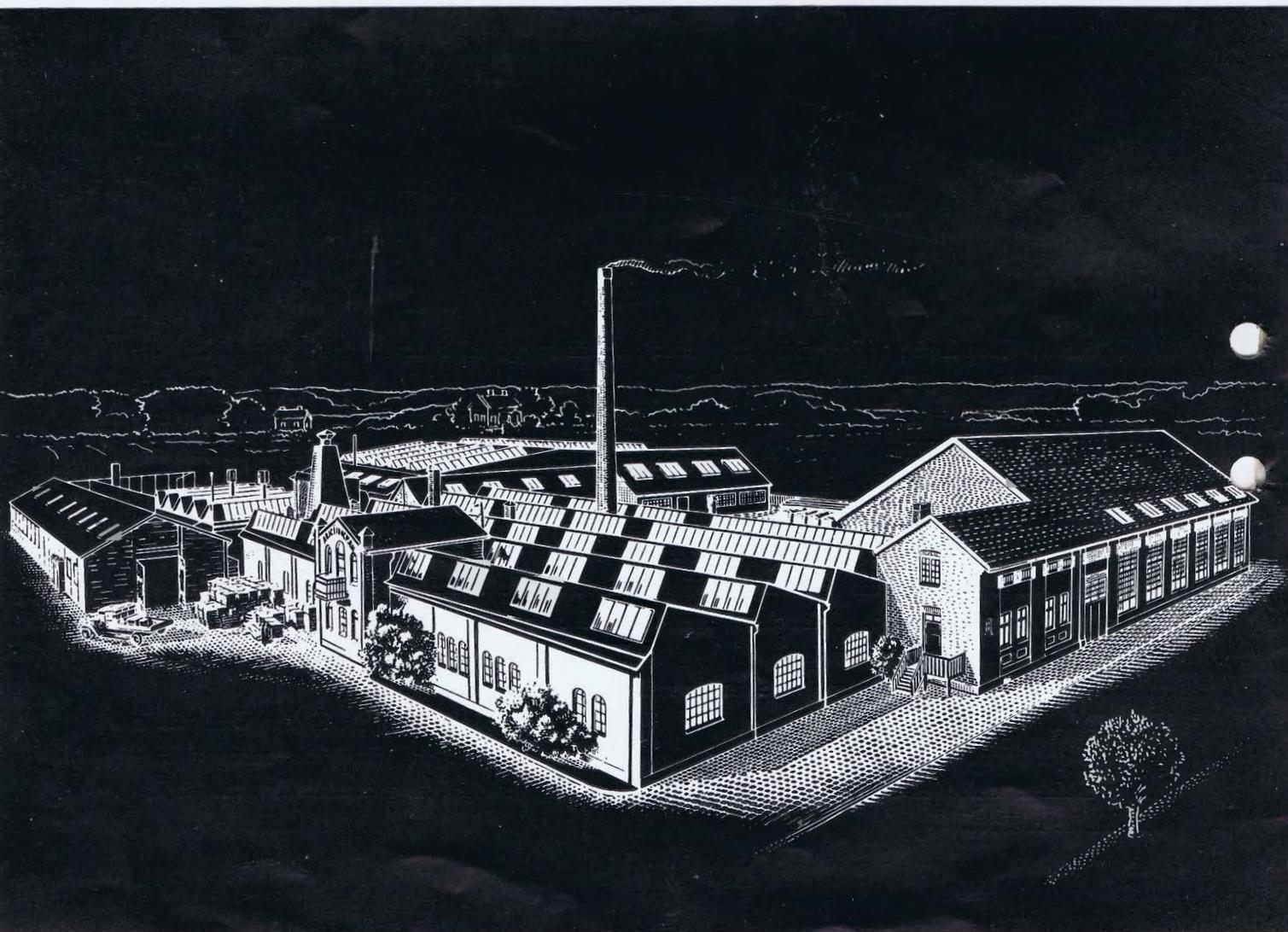
On the second floor is the office with accountants, bookkeeping, sales export and advertising departments. The general lighting consists of diffused lighting which as is known is the latest advance in the domain of illumination. By this means it is possible to obtain with the least possible shadow-building a light which differs as little as possible from natural daylight. Finally it may be stated that care has been taken to have the internal communications well arranged by the provision of private branch exchange and staff-seeker installation, the illuminated signals of which are set up in the offices and in the factory. A special signal device has been installed for control of power. When the current consumption tends to exceed the number of KW subscribed for, an alarm apparatus comes into operation, emitting a signal in office of the chief engineer, the factory manager and the works manager, so that these are made aware of the fact. Heating of the workshops is by a combination of radiators and aerotempers, while the offices are heated by radiators and slit ventilators.

LJUNGMAN's earnest endeavour is to make products capable of satisfying the highest demands in respect of quality and reliability. Skilled experienced workmen, up-to-date machines, rational planning, combined with well-lighted appropriate premises constitute the best guarantee that this endeavour can be realized.

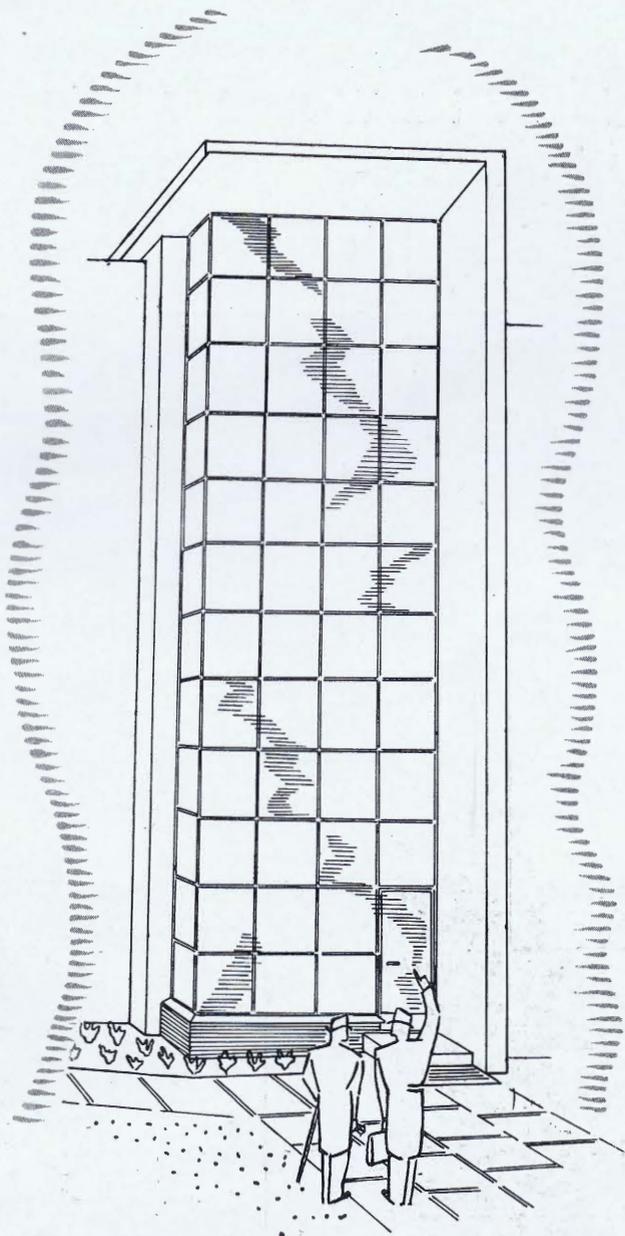


*Open space with car-park  
outside the new factory.*

*The factory at Vellinge.*



*The main entrance to  
LJUNGMAN's new  
factory.*



## A TOUR AROUND

**A** tour of the new factory has much of interest to offer. We conduct you through light airy offices and workshops. We show you how ingenious up-to-date machines shape the material, how skilled hands assemble it, how testing, examination and inspection submit each little part to critical examination before it is passed for delivery. All this cannot fail to convince you of the facilities LJUNGMAN possesses for turning out products of quality.

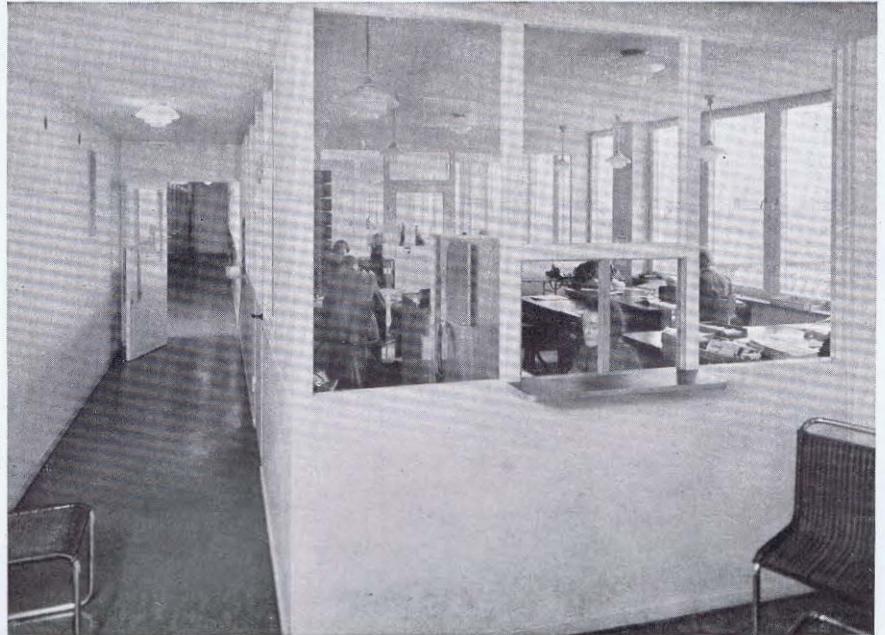


*The visitor obtains an impression of  
light and air immediately on entering.*

# VIEWS OF THE OFFICES



*From the staircase the general office is the first to be entered.*



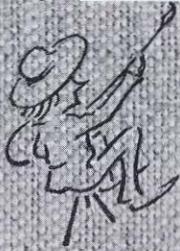
*The general office with its long line of departments.*



*At the top of the office building is situated the engineering office.*



*Works control. Here the progress of manufacture is estimated, planned and supervised.*

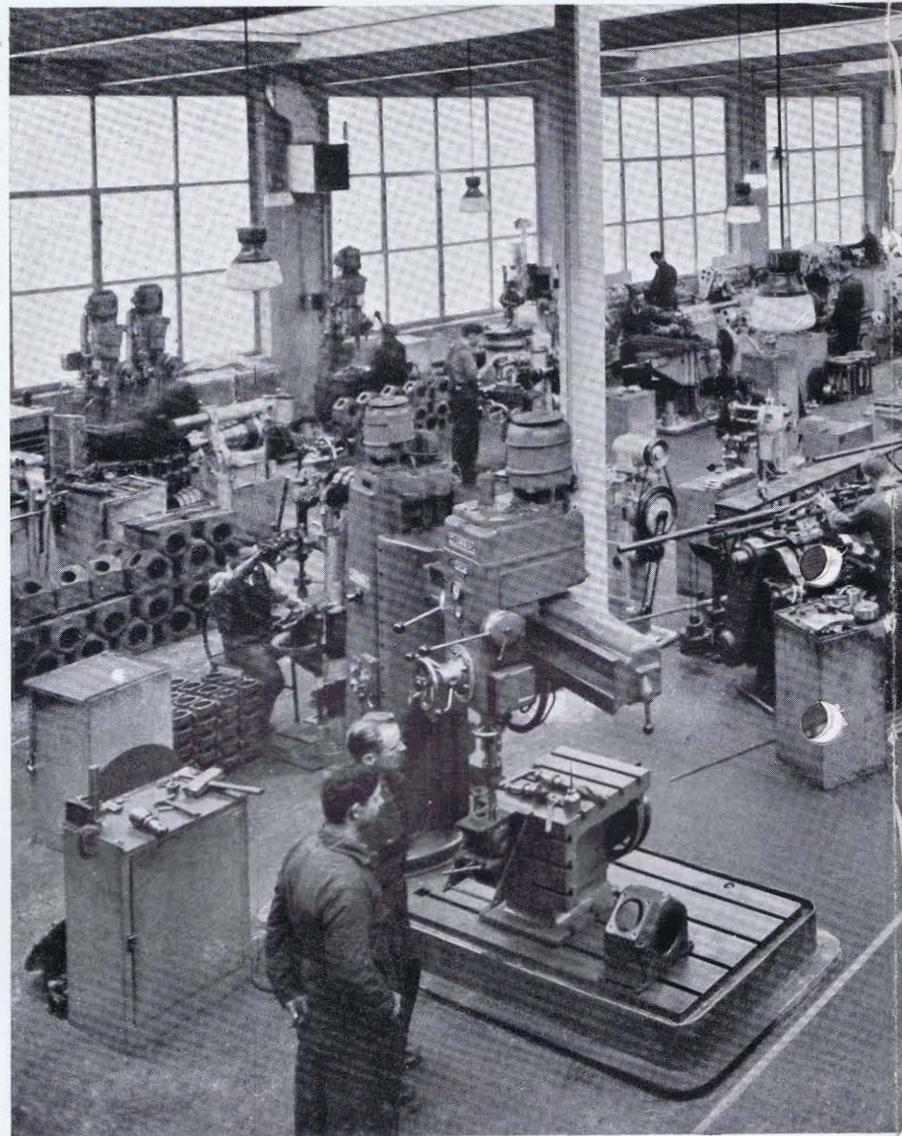


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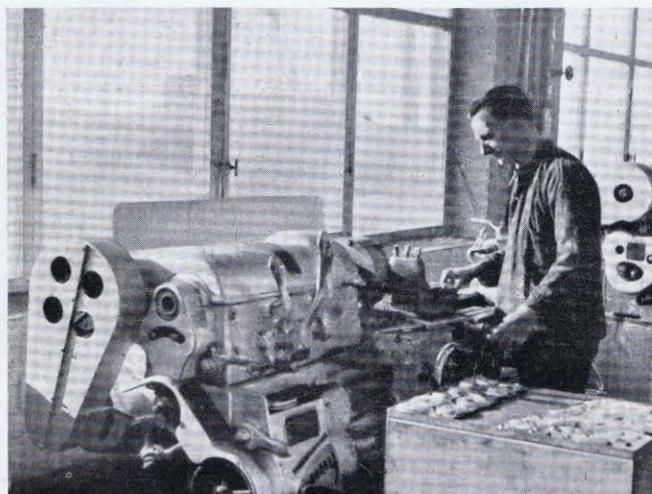


## MACHINERY HALL

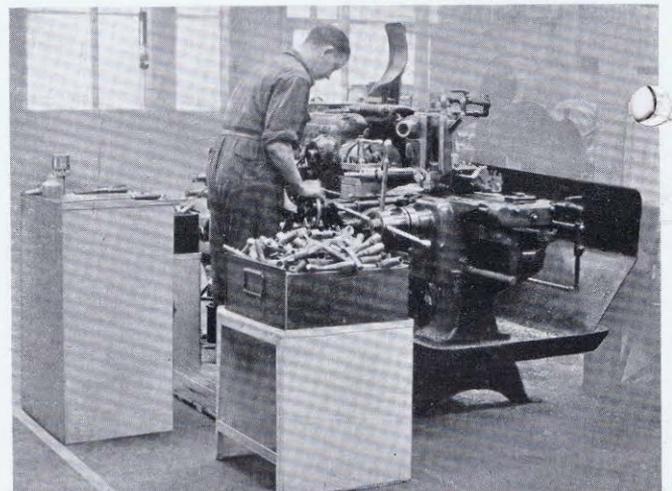
light, up-to-date premises with efficient and modern machine equipment.

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An example of good daylight illumination for turning.

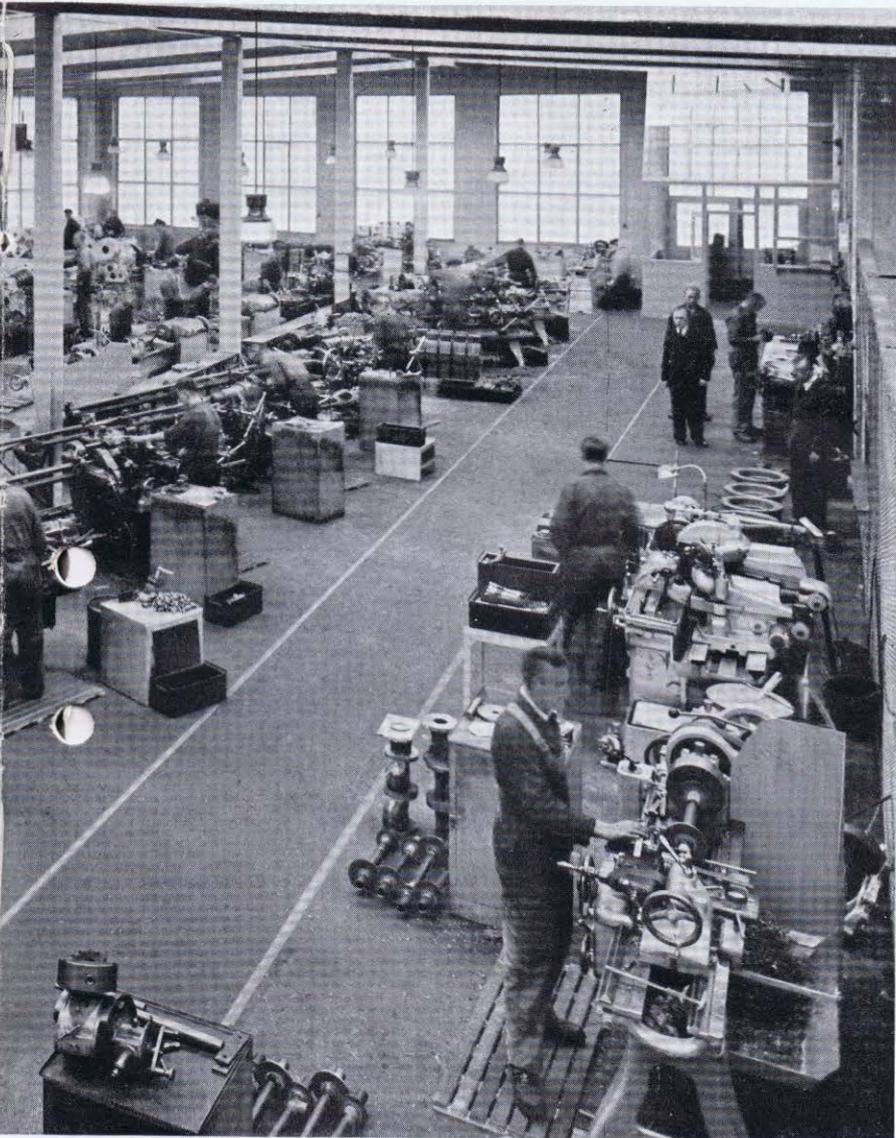


Lathe for small parts. As evidence of precision, tolerances down  $\frac{1}{100}$  mm. may be mentioned.

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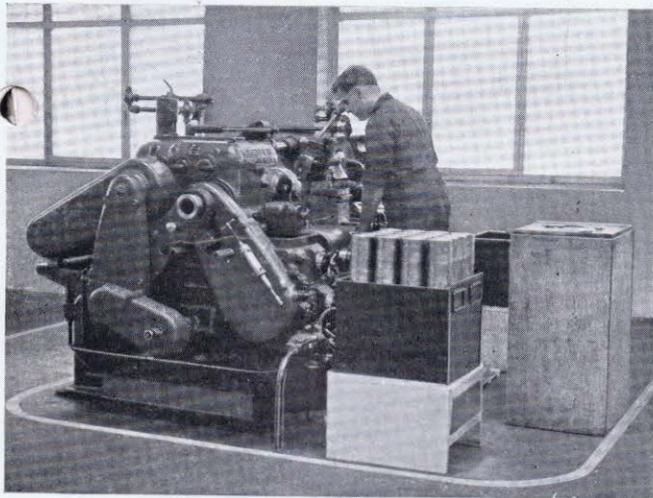
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2nd  
 3rd  
 4th  
 5th

The well-lighted machinery hall where the air is replaced three times an hour. Here are assembled the various groups of turret and capstan lathes, high-speed lathes, milling machines and drillpresses ready for working up the raw material.

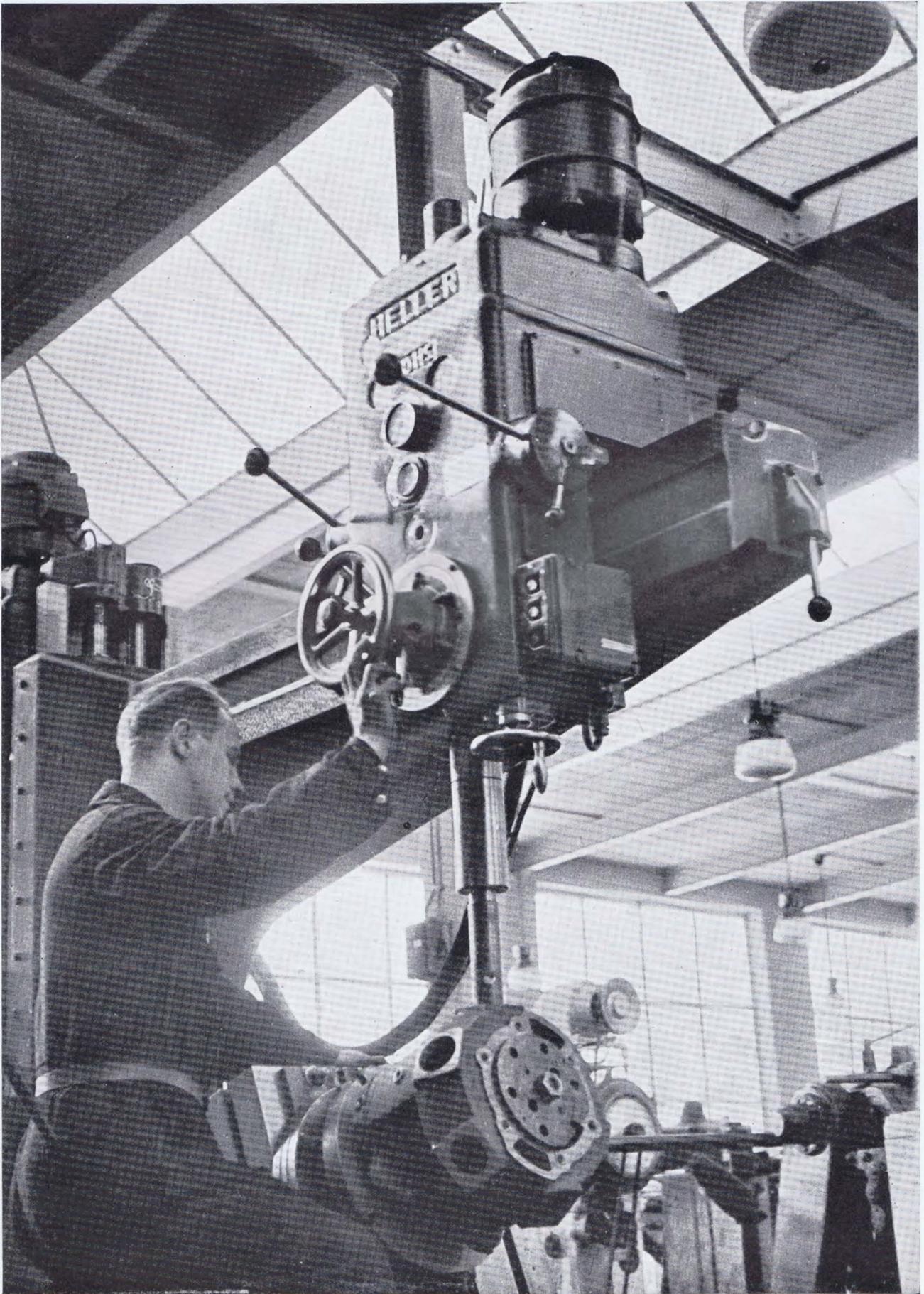


Lathe for heavier work.



Tool-shop with machine tools and annealing furnaces.

2nd  
 3rd  
 4th



*An ultra-modern radial drillpresses.*

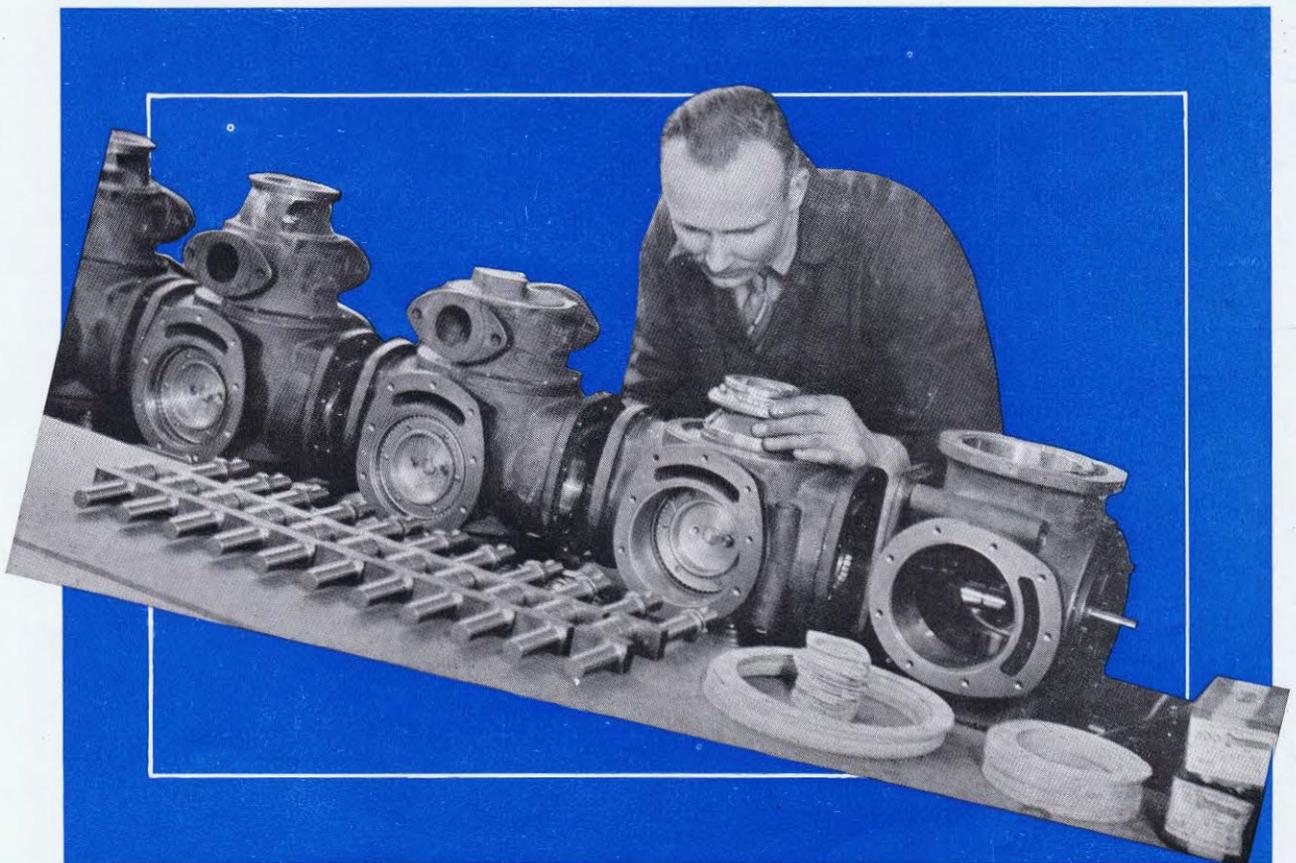
*LJUNGMAN paint-sprayers  
being assembled, a work  
demanding extreme accuracy.*



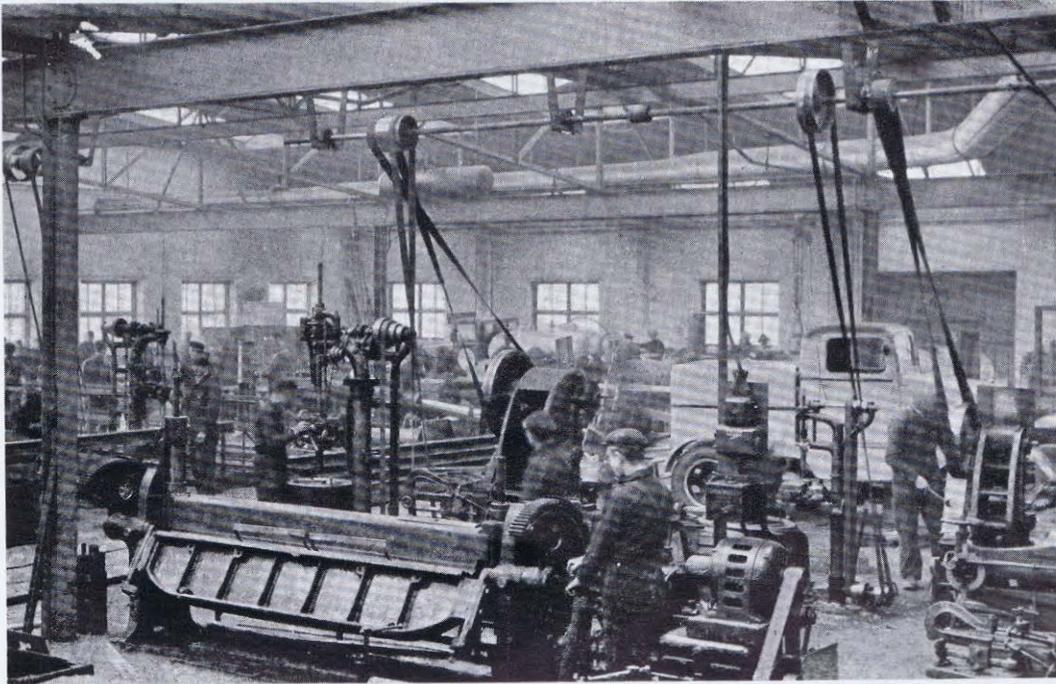
## **ASSEMBLING**

**Skilled hands assemble the parts.**

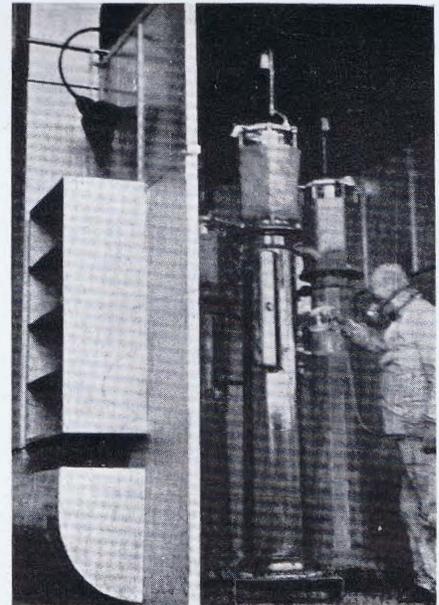
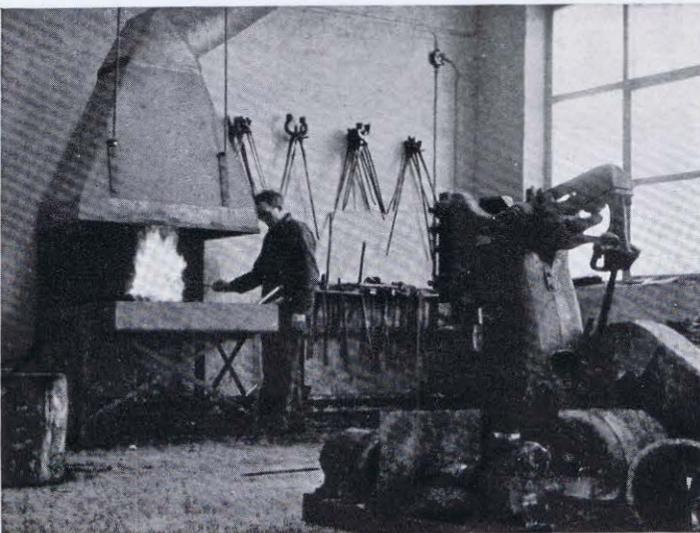
*The assembly of LJUNGMAN's through-flow meters  
calls for special attention. — The illustration shows  
the slide of a meter part being ground in, an operation  
requiring both skill and experience.*



# SHEET-METAL SHOP, SMITHY, FOUNDRY AND PAINTING



*The sheet-metal shop. Here the sheet-metal is shaped into meter cases, transport tanks for petrol, paraffin, spirit etc., and into compressed air containers, underground fuel tanks and the like.*

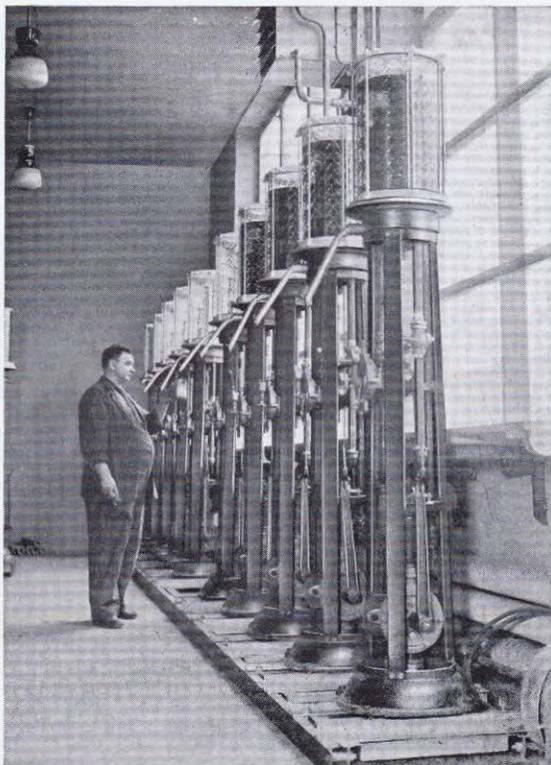


*The spray-painter gives petrol pumps, air compressors etc. their colours in the spraying cabinet.*



*The steel and iron is formed. The upper view shows the black smithshop, the lower the foundry.*

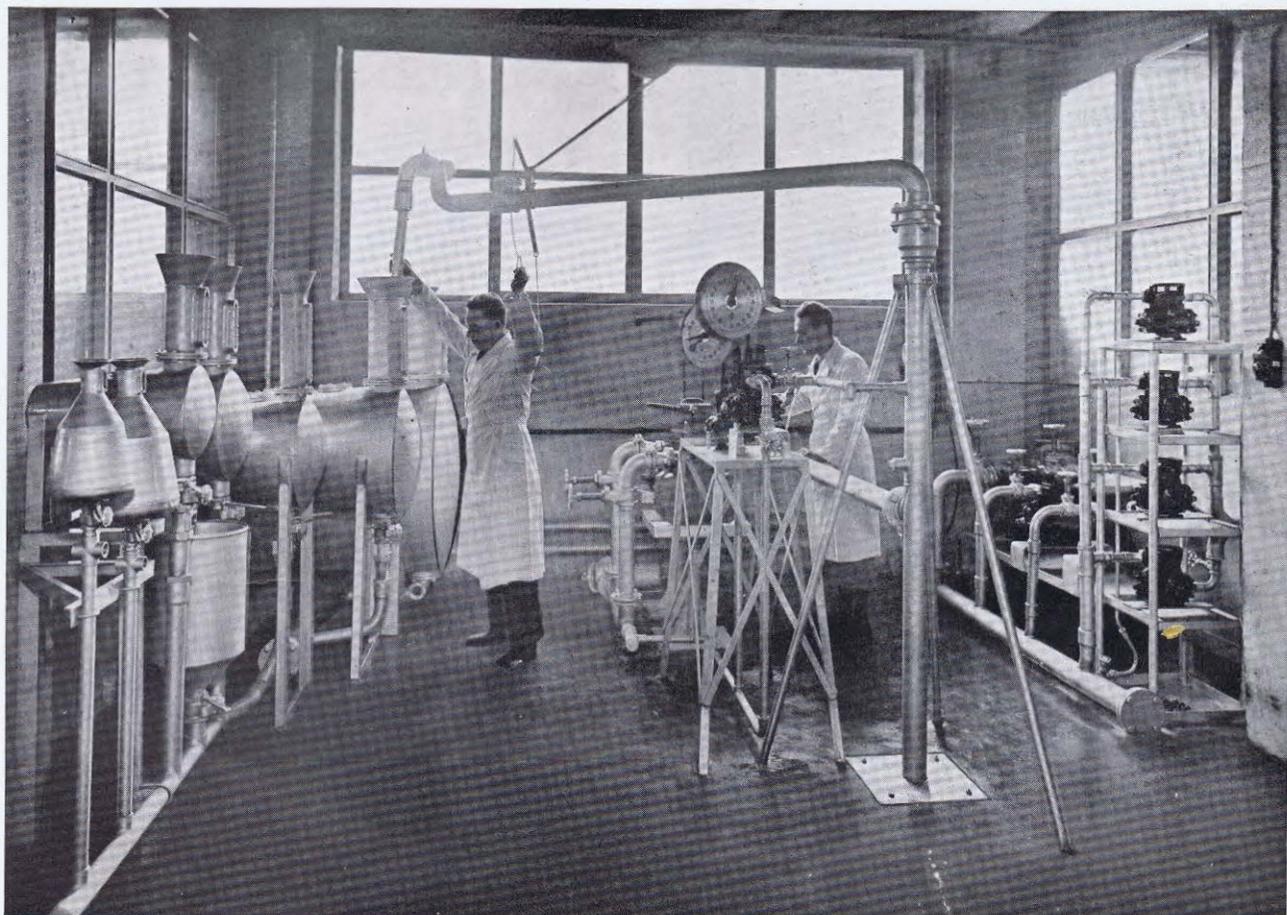
# INSPECTION AND ADJUSTMENT



*Inspection. — Here the product has to undergo the severe scrutiny of the fixed tolerance.*

*VICI meters set up ready for adjustment.*

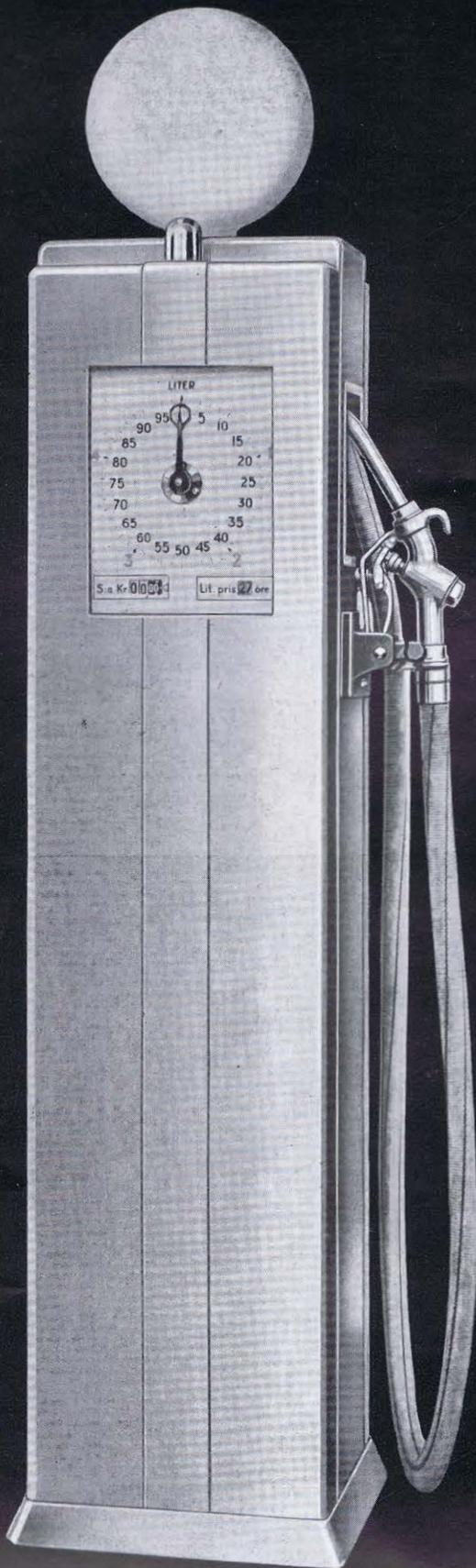
*The adjustment room for through-flow meters.*



# LJUNGMANS

## LJUNGMANS new STAR computer, model 45.

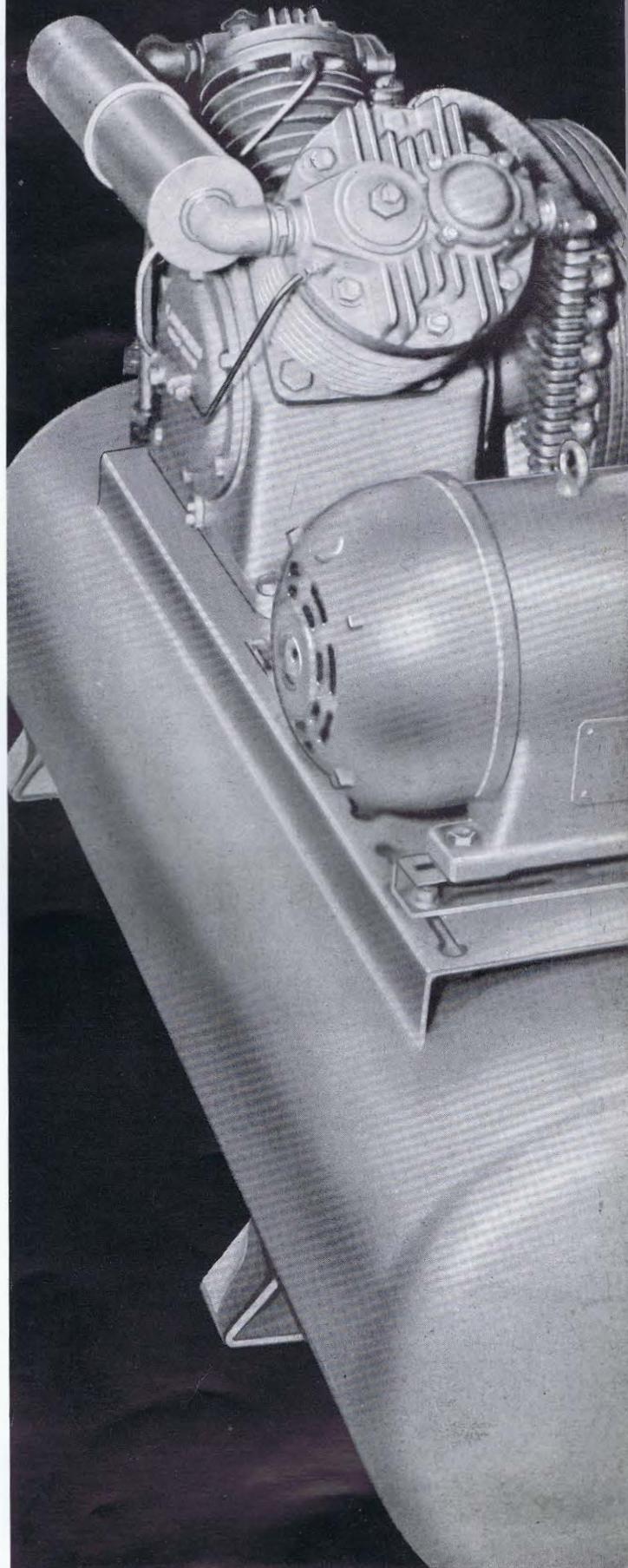
LJUNGMAN's latest metering apparatus is the self-recording STAR mod. 45 with computer. It automatically records both the quantity of liquid metered and the price to be paid. The quantity is indicated by two pointers on large clear dials. The price and the total amount to be paid can be read in rectangular openings below the pointers. STAR mod. 45 meets the strictest requirements respecting absolute reliability, rapid and correct metering and plain up-to-date appearance.

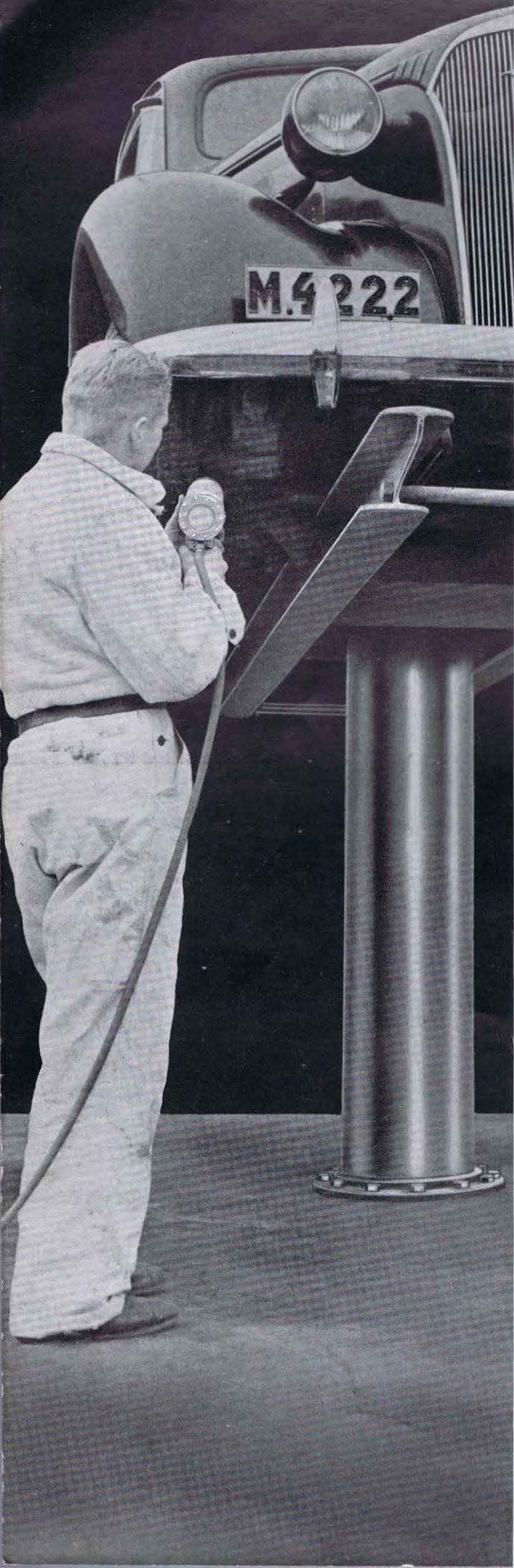


# PRESENTS

## **LJUNGMAN'S** new two-stage air com- pressors.

LJUNGMAN'S new models of two-stage air compressors display several significant improvements. You will especially notice the new valve design which has further increased the running economy of the compressor. You will also observe the efficient intermediate cooling, the built-in centrifugal governor, the V-belt drive and the silent running. The LJUNGMAN two-stage compressor units are supplied both automatic and semi-automatic.





**LJUNGMAN'S** new  
hydraulic Super lift.

LJUNGMAN'S hydraulic Super lift provides strength, safety and economy. *Strength*, because durability is the first consideration in construction. — *Lifting safety*, because only high quality material is employed for manufacture, — because sudden unexpected descents of the platform are prevented by the hydraulic brake device and the safety support. *Economy*, because the LJUNGMAN hydraulic packing prevents oil leakage.

LJUNGMAN'S Hydraulic Super lift is made in various sizes from 3 to 10 ton lifting capacity.

**LJUNGMANS** new  
high-pressure grease-gun.

LJUNGMAN's new high-pressure grease-gun "takes" the toughest and hardest grease. With a pressure of up to 600 kg./cm.<sup>2</sup>, if so required, it forces the grease into the most choked greasing points. It is a simple matter to exchange one container for another and continue greasing with a different grease. — No leaking, no spilling need be risked, since there is nothing but fixed connections between gun and greasing point. — Small air consumption makes it economical to run.

Think of the advantage of having a single pistol for a whole up-to-date grease equipment.





*Outside view of the factory.*

## **LJUNGMANS** makes:

**Meters:** Through-flow and visible meters for the distribution of petrol, bentyl, paraffin, spirit and oils.

**Air compressors:** Single and two-stage compressors and units, both automatic and semi-automatic.

**Car lifts:** Hydraulic car lifts, from 3 to 10 tons lifting capacity.

**Greasing tools:** High-pressure grease sets, spring grease-guns, flushers etc.

**Motor-lorry tanks:** Tanks of aluminium or steel-plate for transport of petrol, bentyl, spirit, paraffin or oils.

**Paint-spraying plant:** High and low pressure paint spraying pistols, air cleaners, paint containers, air cleaners, extension arms and blast cleaning pistols.

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