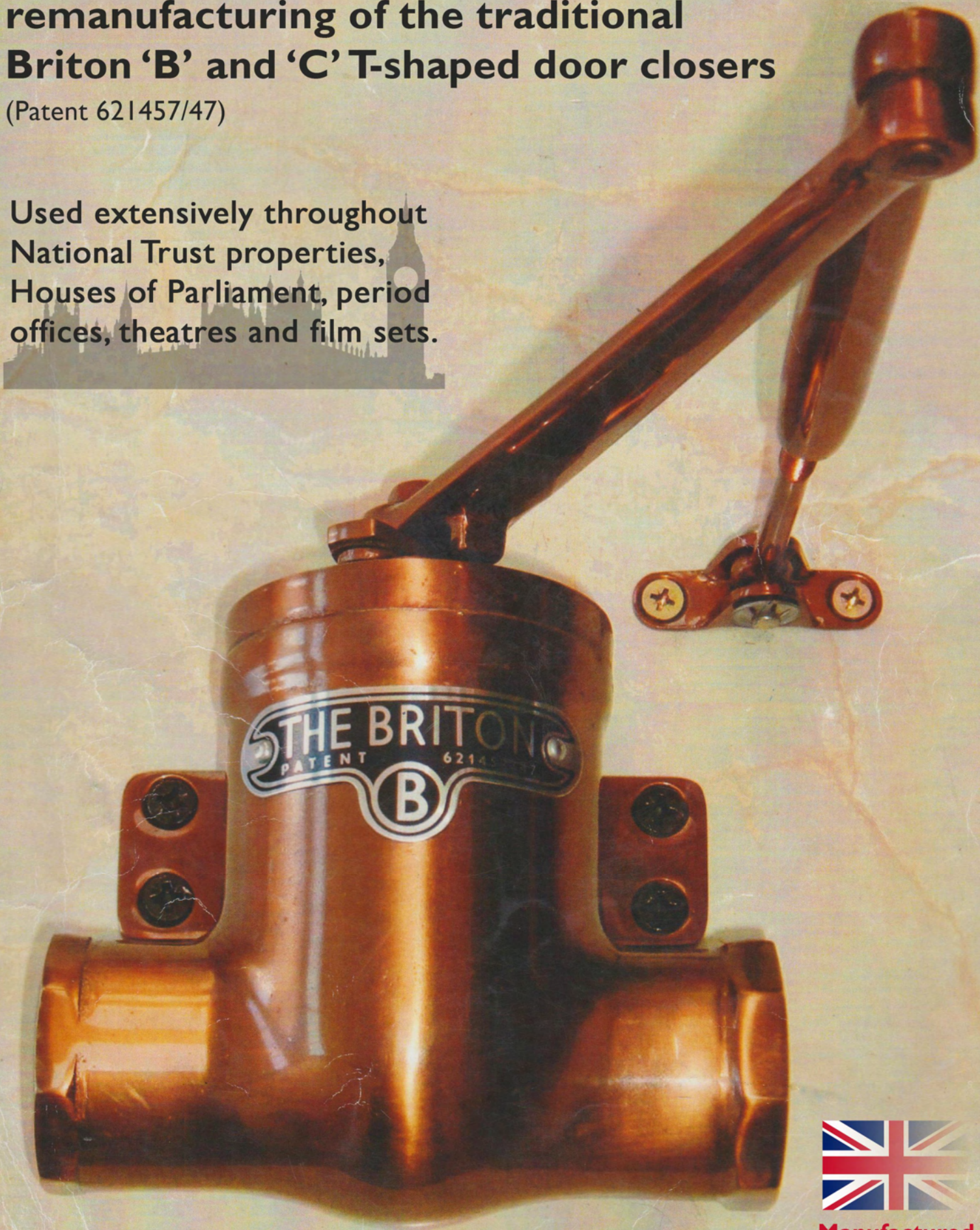
Poole Waite & Co Ltd (established in 1935)

is the only company specialising in the remanufacturing of the traditional Briton 'B' and 'C' T-shaped door closers

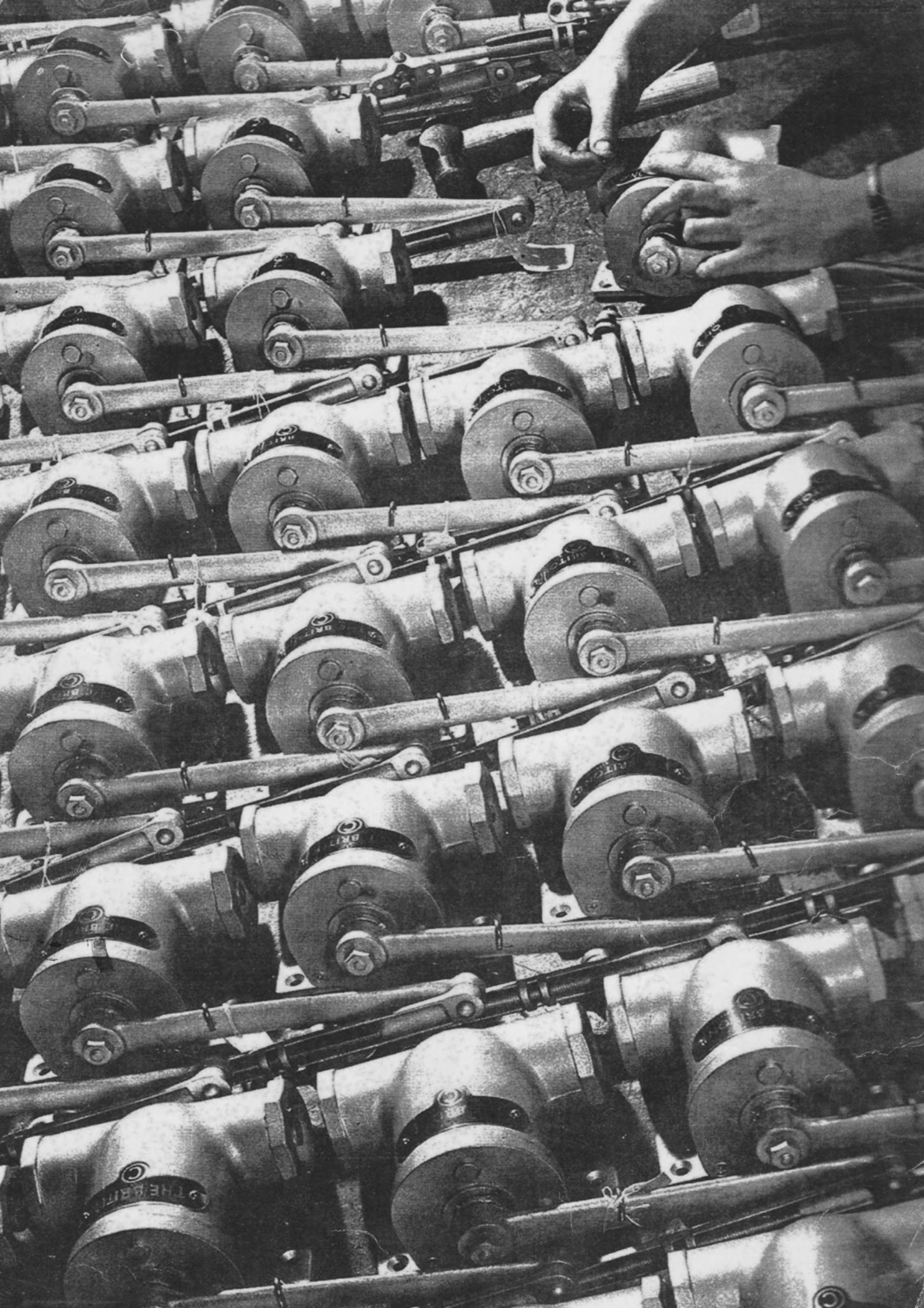
(Patent 621457/47)

Used extensively throughout National Trust properties, Houses of Parliament, period offices, theatres and film sets.



Manufactured in Great Britain

February 2023



Introduction

Manufactured in Great Britain

If an application to suit your requirements is not shown, we shall always be pleased to endeavour to solve the problem upon receipt of your specification.

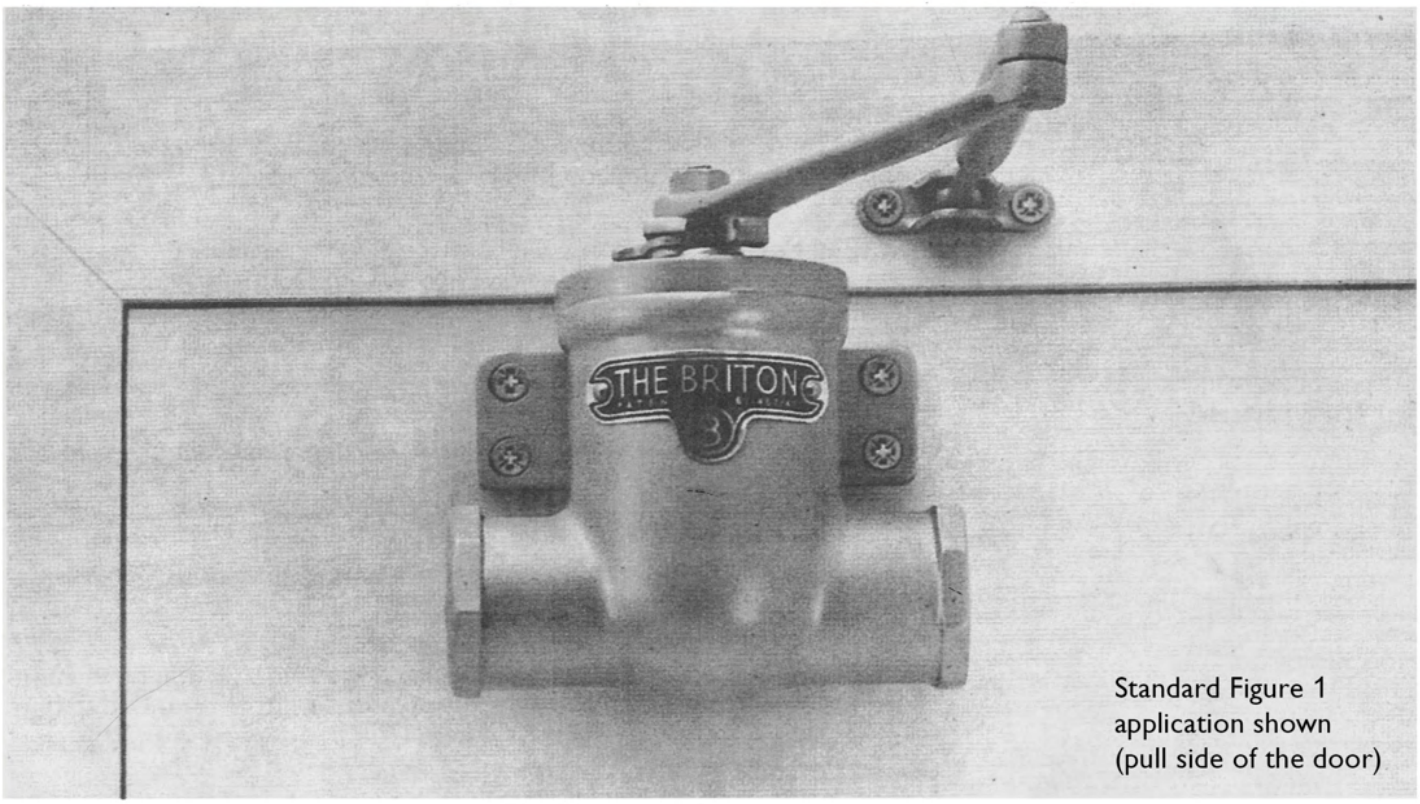
In the interests of development and a policy of continued improvement Poole Waite & Co Ltd reserve the right to change the specification in this catalogue without notice.

The illustration on the facing page shows a section of the standard Briton production line. The demand for this closer continues despite the introduction in recent years of many new models and the increasing sales of concealed closers.

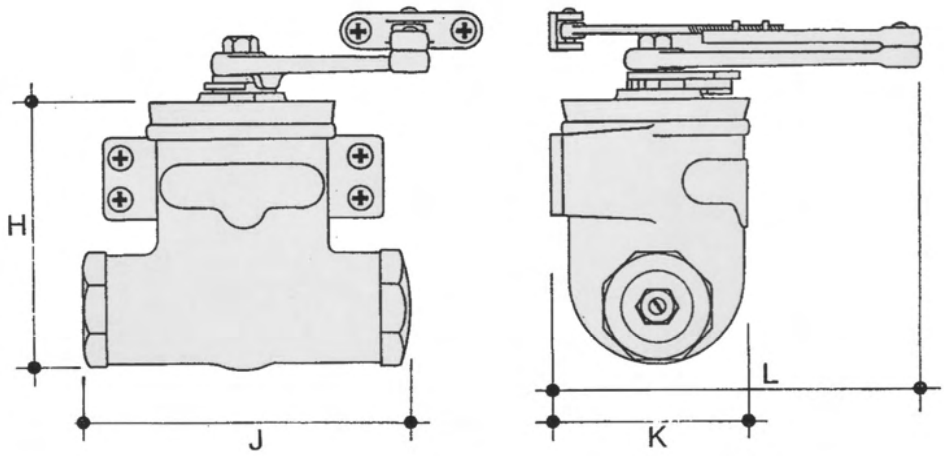
Poole Waite & Co Ltd Established in 1935

The Briton 'T' shape door closer specialist

The Briton 'T' Shape Door Closer Remanufactured by Poole Waite & Co Ltd



Standard Figure 1 application shown (pull side of the door)



NOTE
In the past there have been Briton model C door closers manufactured to the same dimensions as the B.

Dimensions

Closer		inches				millimetres			
Size No.	Model	H	J	K	L	H	J	K	L
3	B	$4\frac{11}{16}$"	$5\frac{13}{16}$"	$3\frac{13}{32}$"	$9\frac{5}{16}$"	119	148	87	237
4	C								

The Briton 'T' Shape Door Closer Remanufactured by Poole Waite & Co Ltd

Description

Single action surface mounted hydraulic check door closer.

Finishes

Sprayed silver, gold, bronze, and matt black. Other finishes available to special order. Contact our sales department for further information.

Optional Accessories

No. 2 Bracket
No. 3 Corner Bracket
Fig. 50 Bracket
Fig. 5 Bracket

Performance

General

Each Briton is specifically constructed for the particular role it has to play see recommended door size table below.

Fire

Briton closers are not suitable for use on fire doors.

Durability

Briton 'T' shape closers remanufactured by Poole Waite & Co Ltd have earned a world wide reputation for quality and durability.

Construction

Closers are constructed with cast iron bodies (equivalent to B.S. 1452 grade 12). In order to ensure the durability for which Briton is renowned, all working parts are steel or cast iron. No zinc based alloys are used.

Adjustments

Door closing speed can be varied by adjusting the check regulator.
N.B. Where doors to be closed are near maximum size recommended it is essential they are correctly hung to swing freely.
In these instances self oiling (or ball bearing) butt hinges are strongly recommended

Recommended door size limits

Note: metric dimensions are approximate equivalents

Closer

Size No.	3	4
Model	B	C
Internal doors non draught areas	3' 0" x 7' 0" 910 x 2130mm	3' 6" x 7' 6" 1060 x 2280mm
Internal doors Draught areas	2' 9" x 7' 0" 830 x 2130mm	3' 3" x 7' 6" 990 x 2280mm
External doors	2' 6" x 7' 0" 760 x 2130mm	3' 0" x 7' 6" 910 x 2280mm

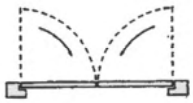
The Briton 'T' Shape Door Closer Remanufactured by Poole Waite & Co Ltd

Applications

Fixings
Surface fixing, detailed instructions supplied with each closer.

Handing
In standard form (Figure 1) closers are self handing but certain applications are handed.

Clockwise Closing Left hand



Anti-Clockwise Closing Right hand

Angle of Opening
With the door hung on normal butt hinges, the standard Briton arms will allow the door to open to 120°

N.B. We advise the use of the next size closer, if doors to be closed are near maximum recommended limits, self oiling (or ball bearing) butt hinges will ensure optimum closer performance.

Maintenance

All internal working parts of Briton doors closers, except springs, are completely immersed in oil and require no maintenance.

Special design features

Springs
These torsional springs are produced from high quality oil tempered Hamill Swedish rod.

Product ordering codes

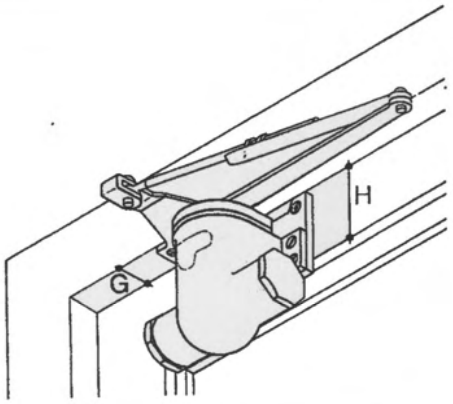
Closer

Size No.	3	4
Model (Figure 1 application)	B	C
Silver	FS1801-17	FS1804-17
Gold	FS1802-18	FS1805-18
Bronze	FS1803-19	FS1806-19
Matt Black	FS1807-14	FS1808-14

Remanufactured exclusively by Poole Waite & Co Ltd, established since 1935. Visit our website for full product range and services.

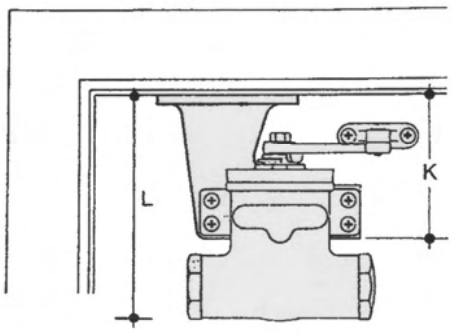
Special Fixing Applications

Parallel Arm Application 66
For Briton **3**(B), **4**(C)
closer is fixed to the push (opposite to hinge) side of door.
Angle of door opening.
Maximum angle of opening 120°
Hand must be stated when ordering
Minimum site dimensions, see table below.

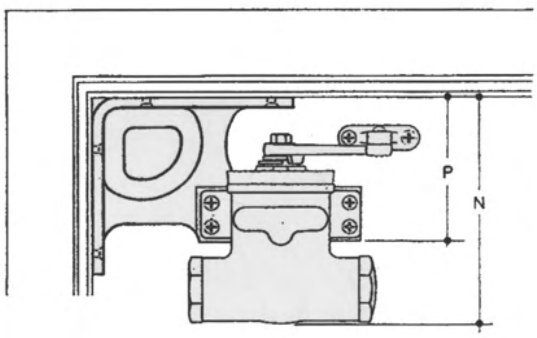


No. 2 Bracket application
For Briton **3**(B), **4**(C)
For use with regular closers.
Closer is fixed to underside of transom by means of arm bracket on push (opposite to hinge) side of door.

A minimum door height of 6' - 8" 2030mm is advised when using these brackets.



No. 3 Corner Bracket application
The No. 3 Corner bracket application is similar to application 2, but is especially useful where the fixing space is limited. Stability is obtained by the additional fixing to the vertical jamb. A minimum door height of 6' 8" (2030mm) is advised.



Dimensions Table

Closer		inches						millimetres					
Size No.	Model	G	H	K	L	N	P	G	H	K	L	N	P
3	B	$1\frac{5}{8}$"	$2\frac{7}{8}$"	$4\frac{3}{8}$"	$6\frac{29}{32}$"	$7\frac{5}{32}$"	$4\frac{3}{8}$"	41	73	111	175	182	111
4	C												

If an application to suit your requirements is not shown, please send details.

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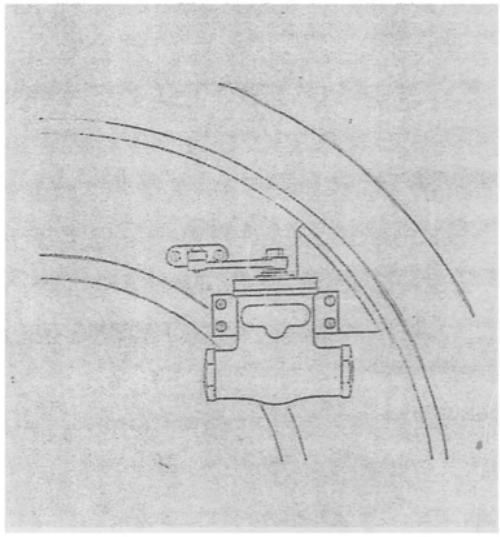
Special Fixing Applications

Bracket for curved head doors
fig. 50

When fitting the closer on curved head doors, on the side opposite to the hinge, it is necessary to use a special Fig. 2 type bracket

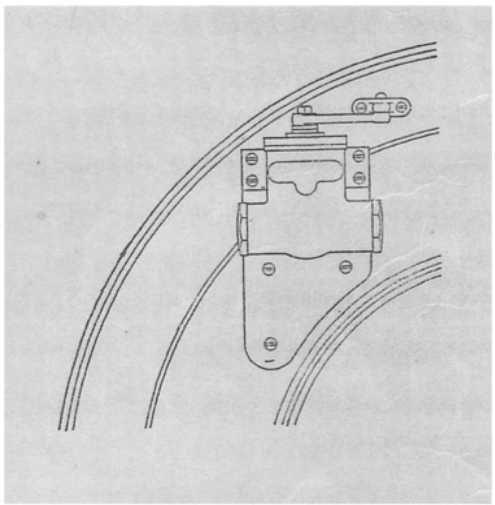
These brackets are fabricated from mild steel, shaped to suit the curve of the door frame. As the curves vary considerably the brackets are not standardised and are made only to individual requirements.



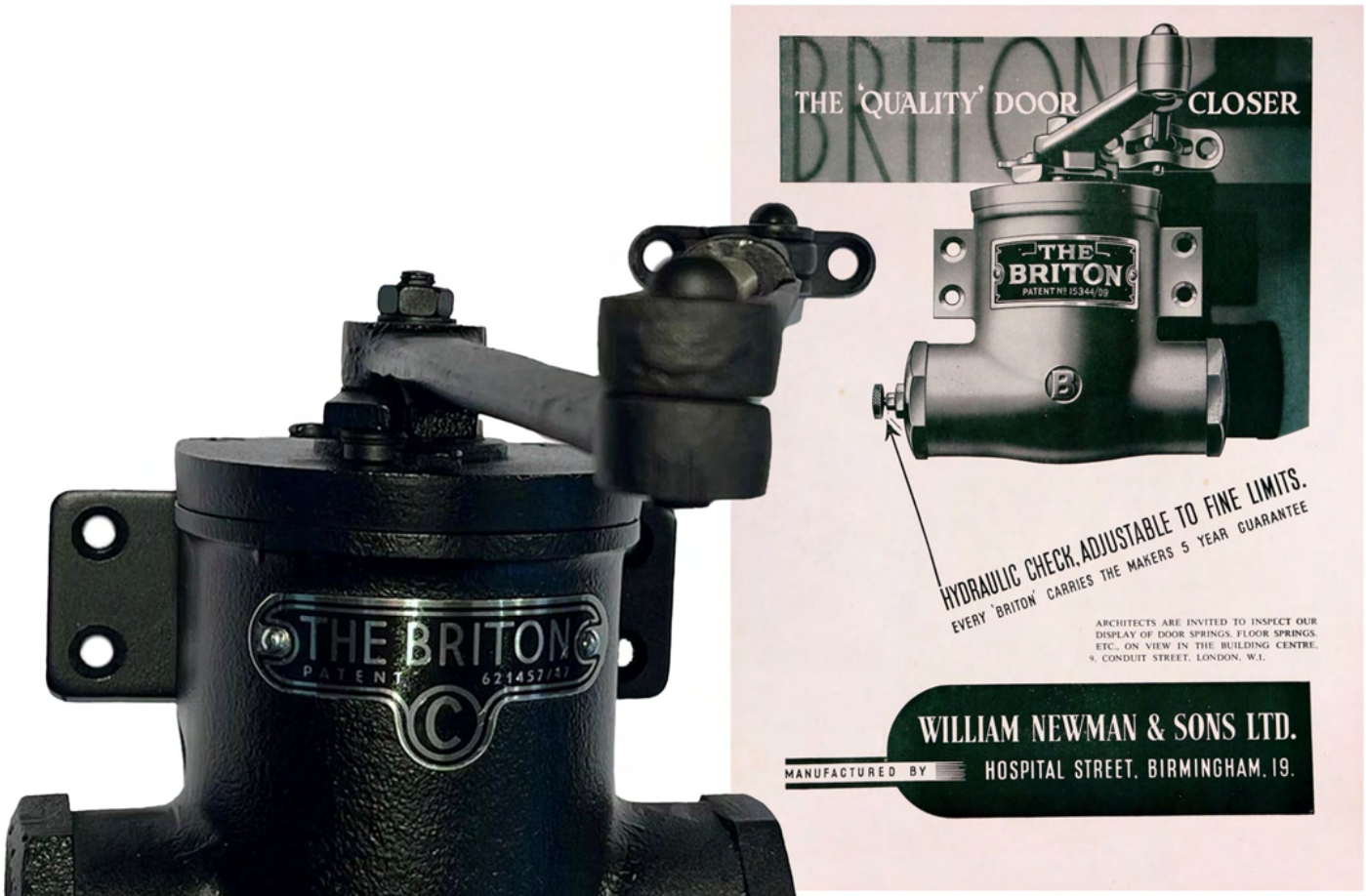
Applications to the hinge side of the door

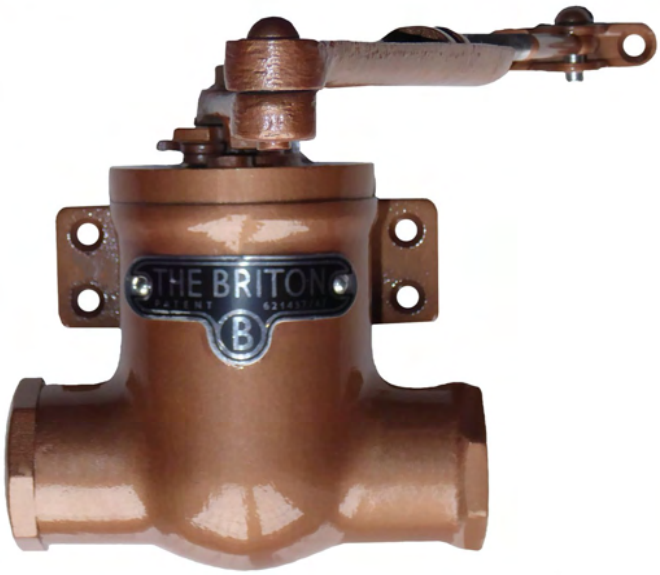
Bracket for curved head doors
fig. 5

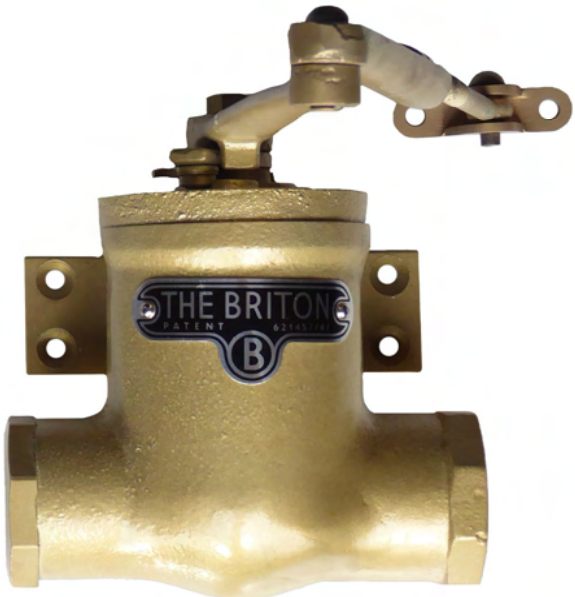
This bracket is essentially for use in situations where the head of the door is semi-circular or acutely curved. The bracket raises the position of the door closer body, sufficiently for the arm to clear the top of the door during the opening movement. The manufacturers require the following details to produce a suitable bracket: (1) A template of the curve, (2) State whether soffit frame is flush with the face of the door or projecting (if projecting, state dimension), (3) Width of stile, (4) Size and approximate weight of the door.



New Matt Black Finish Introduced

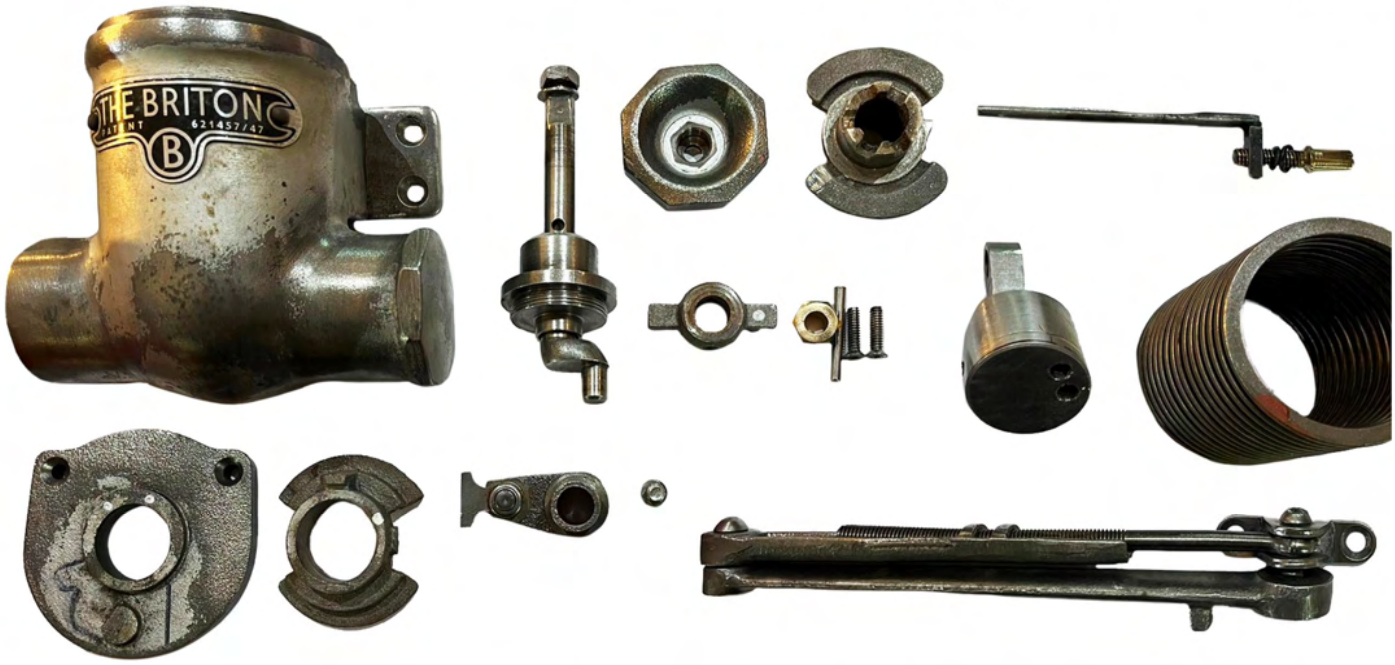






What's inside the Briton 'T' Shape Door Closer?

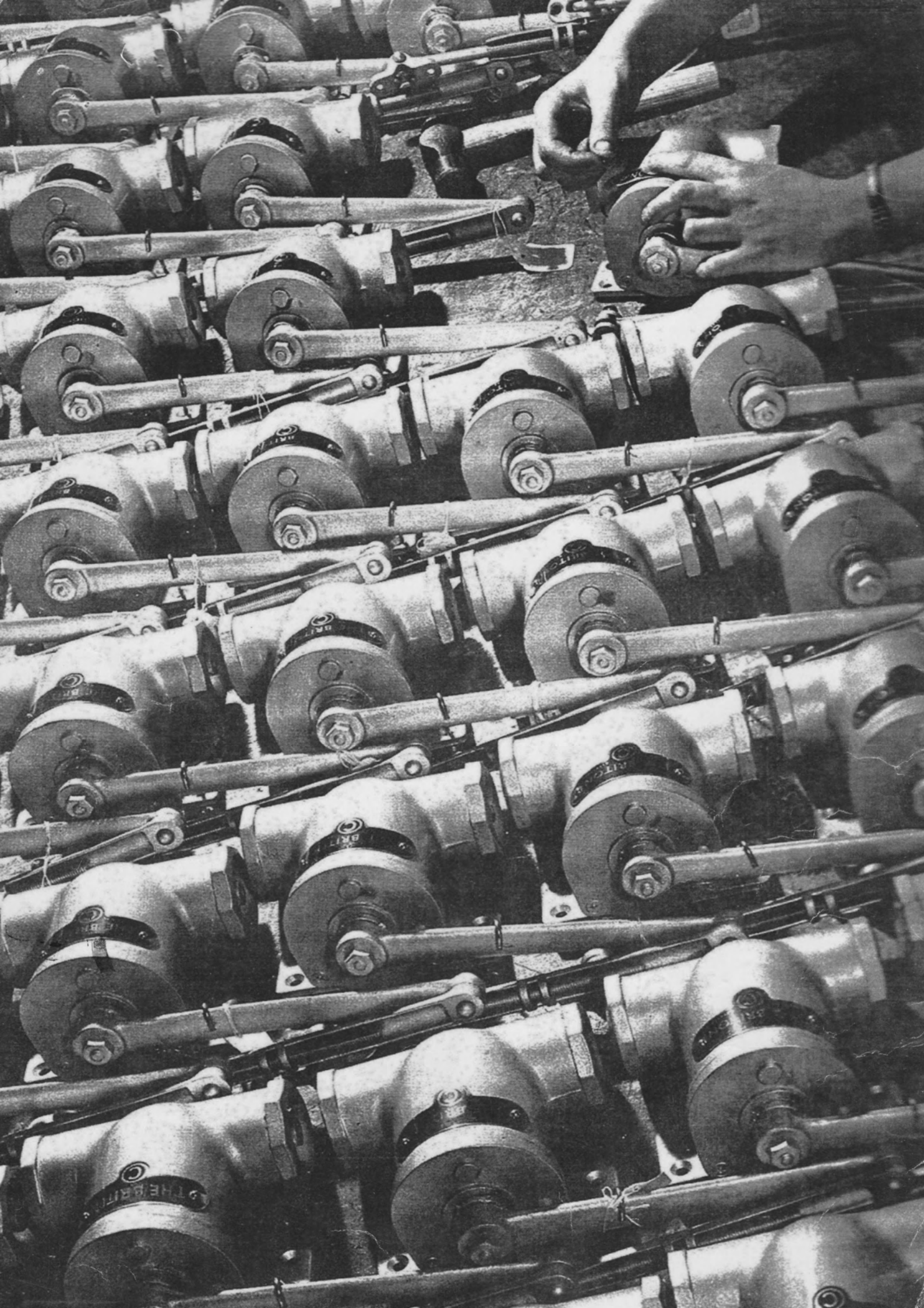
Briton 'B' door closer which has been stripped down to allow all components to be refurbished



The stripdown process of a Model 'B' being inspected for broken components, metal fatigue and wear, replacing any parts required before soda blasting, painting, then final assembly.

◀ Photo showing the 'coil spring' chamber (spring removed).

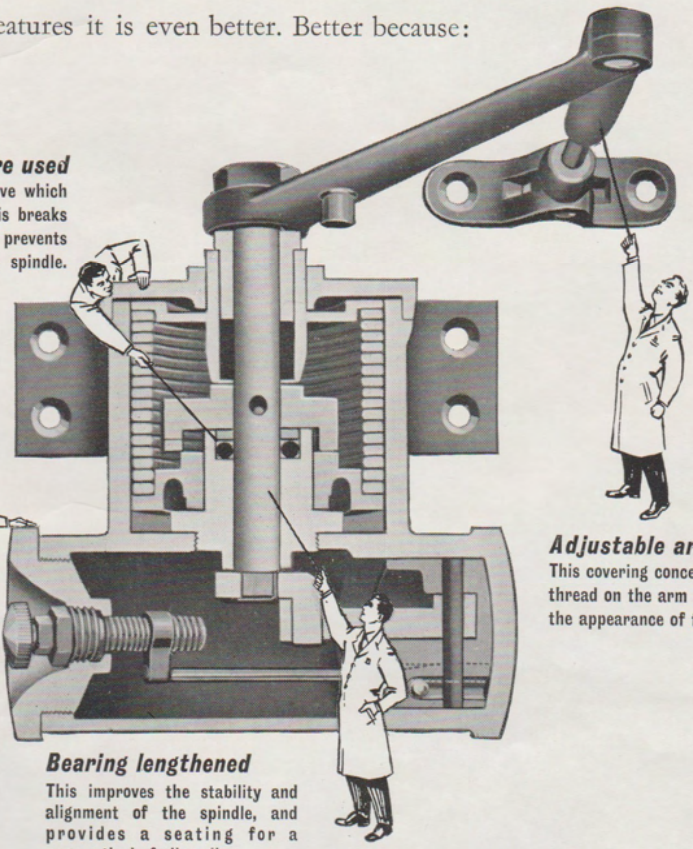
During the refurbishment process all traces of rust will be removed, and perished rubber 'O' ring seals replaced.



Improved 'BRITON'

Door Closer MK III

The Inside Story The "Briton" Door Closer is well known. For years it has been the best in the World. Now, with the introduction of new features it is even better. Better because:



Rubber "O" rings are used
These are housed in a groove which creates an air chamber. This breaks capillary attraction and prevents oil from creeping up the spindle.

Check regulator recessed
This improves the appearance of the Closer, and removes all possibility of damage either before or after it is fitted to the door.

Adjustable arm covered
This covering conceals the screw thread on the arm and improves the appearance of the Closer.

Bearing lengthened
This improves the stability and alignment of the spindle, and provides a seating for a new method of oil sealing.

All details can be found in the Barbour Index, File No. 53.

'BRITON'
DOOR CLOSER

See our exhibits at the Building Centre,
26 Store Street, London, W.C.1.

The prevention of draughts and banging doors is in your hands. Specify "Briton" and you eliminate both. It fits right and left hand doors without alteration, and the spring can be regulated to six different strengths by finger tip control. Doors are closed both smoothly and silently. When a "Briton" Door Closer is fitted it can be relied on. It is guaranteed for *ten years*!

WILLIAM NEWMAN & SONS LTD. HOSPITAL STREET BIRMINGHAM 19

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