



MILLENNIUM
CYCLE & MOTOR CYCLE
TOOLS

TELEPHONE ... 81 - BRAINTREE
TELEGRAMS ... LAKE, BRAINTREE

Lake & Elliot, Ltd.
BRAINTREE · ESSEX

Works and Offices - - - BRAINTREE
Branch Office-29 Hertford Street, COVENTRY

Saks & Elliot, Ltd.
BRAINTREE · ESSEX

PRIVATE—TO THE TRADE ONLY

The information given below is for the use of the Trade only. Traders are requested to remove this slip so that the Catalogue can be shown to their Customers.

RETAIL PRICES—All prices printed in plain figures in this Catalogue are RETAIL PRICES.

TRADE PRICES—These are concealed in the figures provided in italics following list numbers. To find the Trade Prices the last two figures should be read as pence and the preceding figures as shillings.

The following example is given :—

121/1206 Free Wheel Remover **17/-**

This reads in code twelve shillings and sixpence and means that the TRADE PRICE is 12/6.

This code is used by the courtesy of Messrs. A. J. Dew & Co. Limited.

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TERMS OF BUSINESS

PRICE
 MAINTENANCE. To prevent useless price cutting, goods are supplied to the trade on condition that they are not sold to the public below our published retail prices.

DISCOUNT
 AND
 CARRIAGE. $3\frac{3}{4}\%$ Discount is allowed off all Prices in this catalogue for cash with order, or $2\frac{1}{2}\%$ for payment by the 20th of the month following date of invoices. No discount can be allowed after that date. Orders for goods at trade prices amounting in value to not less than £10 will be sent by Goods Train carriage paid.

With this exception goods are sent Carriage Forward.

NEW
 CUSTOMERS. To avoid delay, firms who wish us to open ledger accounts should send with their first order the usual trade references.

PACKING
 AND
 CONSIGNMENT. All goods are well packed before leaving our warehouse. Purchasers are responsible after they have left our hands. If goods are not received within seven days of invoice date Purchasers should notify carriers.

Goods packed in cases are consigned at Carrier's risk. Customers are advised to sign for same as "unexamined."

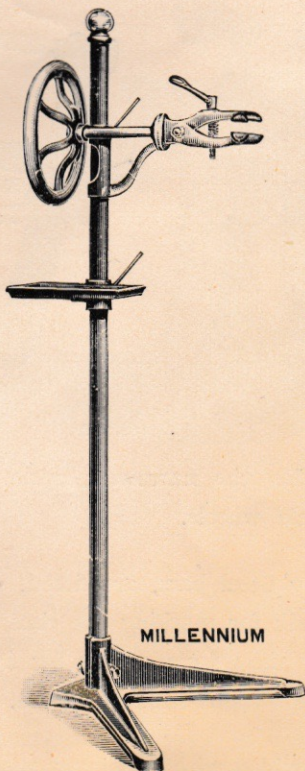
CASES. Boxes and cases are charged at cost price, and if returned will be credited when received at our works in good condition, CARRIAGE PAID.

GUARANTEE. Our goods are not guaranteed for any specific period. If failures occur through faults either in material or workmanship, the goods should be securely packed, containing particulars of sender, and be sent to us Carriage Paid. All parts replaced will be sent Carriage Forward.

Prices and terms are subject to alteration without notice.

MILLENNIUM CYCLE ERECTOR

Will hold any Cycle in any position and is the most universal Tool obtainable for this purpose.



The Hand-Wheel is convenient for swivelling the jaws.

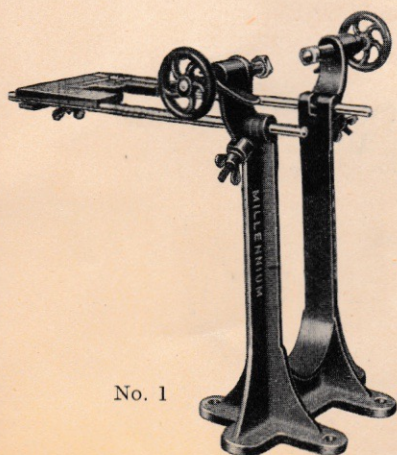
The design of the foot gives stability, and the adjustments are easy of access. When a cycle is in the vice it can be readily raised, lowered or swivelled into any position.

The jaws are lined with felt and will not injure the enamel. All parts are detachable ; it packs into a small compass for export. The tray is for holding small parts and tools.

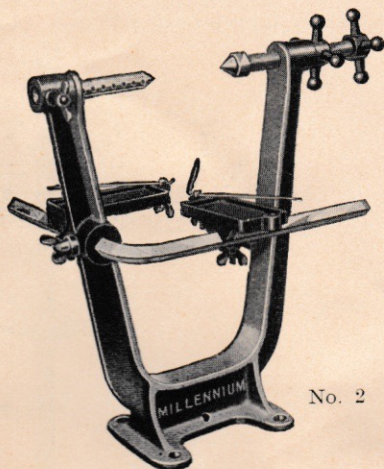
No. 103/3806 **Price £2 11 0** Weight ... 60 lbs.

Prices and terms are subject to alteration without notice.

MILLENNIUM WHEEL TRUERS



No. 1



No. 2

These Stands take the narrowest cycle wheels and the widest motor cycle wheels.

Tables, carried by Steel bars, are fitted, shaped like trays, and will hold chalk for marking the rims, nipples, washers and nipple key; they form a rest for the hand and are adjustable for the various sizes of wheels.

They are also provided with a pointer, which can be set at any angle, and so indicate the parts of the rim requiring adjustment.

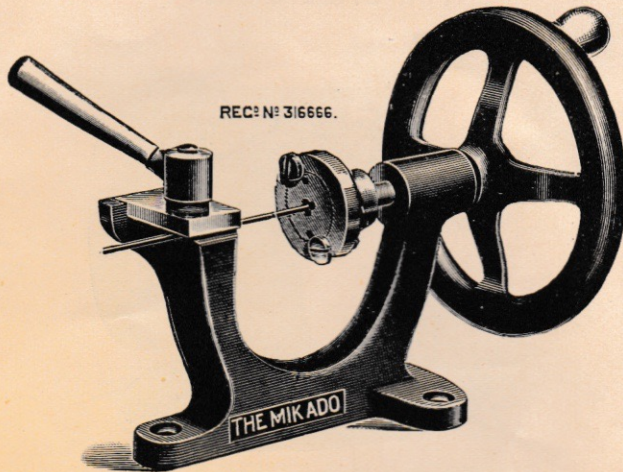
Illustration No. 1 shows Truer for Cycle Wheels only, and No. 2 one designed for both Cycle and Motor Cycle Wheels. Please state which model is required when ordering.

No. 102/2706

Price £1 16 6

Prices and terms are subject to alteration without notice.

“MIKADO” SPOKE SCREWING MACHINE



Will screw spokes from 10 to 18G.

The position of the wheel can be adjusted on the spindle to govern the length of thread to be cut.

We recommend the solid dies of our own make, but any others can be used provided they are 1 inch in diameter.

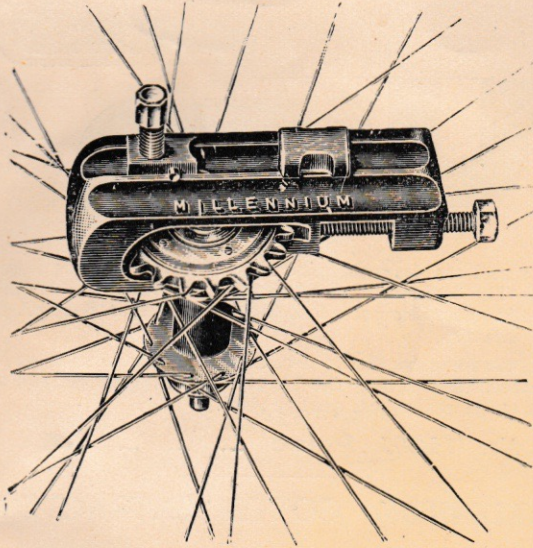
The heavy flywheel saves time in running the die off the spoke when the thread has been cut.

No. 108/1100 **Price** with one die **14/6**

Weight ... 5 lbs.

Prices and terms are subject to alteration without notice.

MILLENNIUM FREE WHEEL REMOVER



By means of the pointed set screw and the sliding jaw, the inner and the outer rings of the clutch are locked securely together and to the frame of the tool which is held in a vice ; it is then an easy matter to unscrew the clutch by turning the wheel.

It saves all the time of taking the clutch to pieces and removing spindle, and soon pays for itself.

It is substantially made, and will fit practically all free wheel clutches.

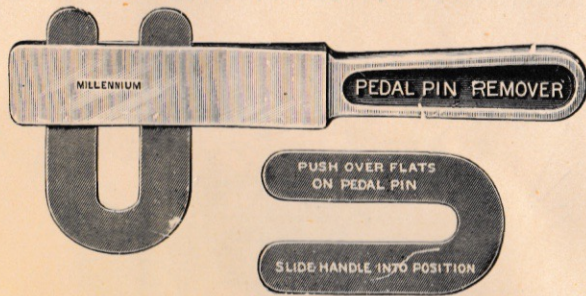
See that the pointed set screw is adjusted tightly as otherwise the end may be sheared off.

No. 121/1206 **Price 17/-**

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BRAINTREE ESSEX

PEDAL PIN SPANNER

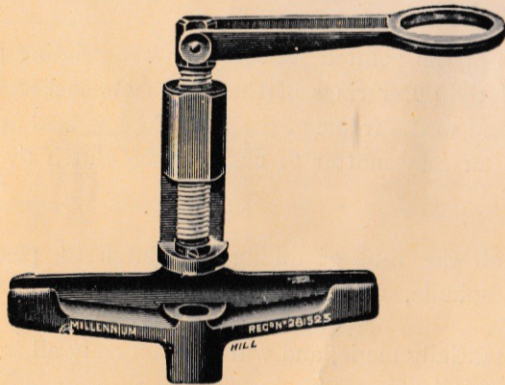


This handy tool enables pedal pins to be removed without dismantling the pedal. The ordinary type of spanner, even if thin enough on the jaws to go in the space provided, has not sufficient strength to withstand the strain.

In this tool the force applied to turn the pedal spindle tends to hold the jaws together, thus giving the necessary firm grip on the spindle. The jaw is made of the best quality steel.

No. 115/506 Price 7/6

MILLENNIUM COTTER EXTRACTOR



The side arms fit cranks and hold tool in position.

Both hands can be used on the handle if necessary.

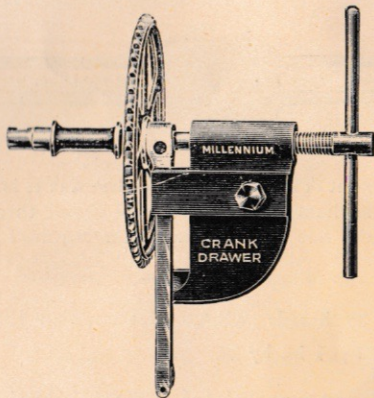
The screw is now fitted with a T handle, and is made long enough to clear the largest chain wheels.

The screw is fitted with a cap which cannot revolve with it and damage screwed end of pin.

No. 116/700 Price ... 9/6 Weight 2 lbs.

Prices and terms are subject to alteration without notice.

MILLENNIUM CRANK DRAWER

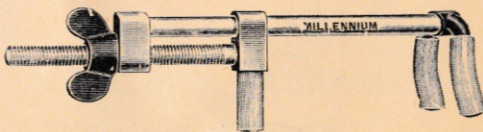


Easily and quickly removes all tight cranks, either round or square, without removing the pedal.

The illustration readily shows how this tool is used.

No. 130/700 **Price ... 9/6** Weight ... 3½ lbs.

MILLENNIUM FORK EXPANDER



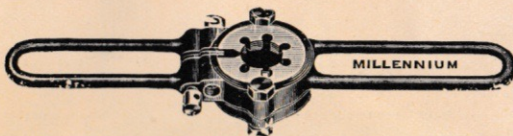
Is of great service for springing open the forks when removing a front wheel, and enables a back tyre to be changed without taking out the wheel.

It will not slip.

An improvement on other appliances for this purpose which makes it a really useful Tool. The Jaws are covered with rubber to prevent injury to the enamel.

No. 119/400 **Price ... 5/3** Weight ... 6 ounces.

MILLENNIUM HEAD TUBE DIE—No. 2



Can be adjusted to cut $\frac{1}{4}$ in. over or under the size it is marked. Size of die 2 in. outside diameter. It produces a full thread in one cut, provided the tube is not over the diameter required after screwing.

It is made in the following sizes:—

$\frac{3}{8}$ in. by 30 threads (B.S.A.)—See note for this size.

1 in. by 24; 1 in. by 26.

No. 112/1500 **Price** complete ... **20/-** Weight ... $1\frac{3}{4}$ lbs.

No. 112/506 **Extra Dies** **7/6**

No. 112/900 **Holder with Nuts, etc.** ... **12/-**

No. 112/010 **Extra Guides** **1/-**

Note re $\frac{3}{8}$ size:—We supply a cutter to go in this holder to reduce 1 in. tube to $\frac{3}{8}$ in. which is necessary in order to cut a good thread, as otherwise there is too much metal for the die to remove.

No. 112a/506 **Price** ... **7/6**

MILLENNIUM HUB DIE



This adjustable Die is made with B.S.A. thread for slightly reducing Hubs when too large for Free Wheel Clutches.

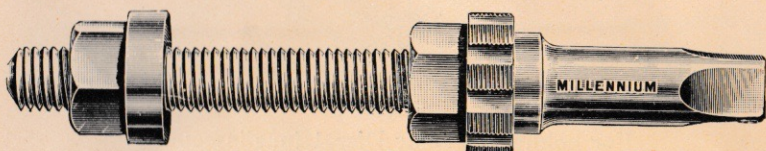
No. 113/1200 **Price** ... **16/-** Weight ... $1\frac{1}{4}$ lbs

No. 113/1000 **Price for Extra Dies, B.S.A. thread, 13/6 each**

The Die is now made reversible so that the thread can be cut closer to the shoulder than before.

Prices and terms are subject to alteration without notice.

BOTTOM BRACKET TAP



Weight, complete with Wrench, $2\frac{1}{4}$ lbs.

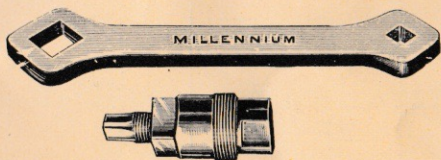
For tapping bottom brackets or clearing the threads after brazing. The cutting tap is bolted on to the stem and can be readily changed. The adjustable guide collar keeps the tap perfectly true and can be adjusted to suit any width of bracket.

Made in one size only—

1.370 dia. by 24 threads, right or left (B.S.A.)

No. 117/1406	Price Complete	Standard Size	19/6
No. 117/906	Cutting Taps only		Price 12/6
No. 117/108	Guide Collars	"	2/3
No. 117/406	Wrench, Spindle—2 Nuts	"	6/-

MILLENNIUM CUP DRIVER



Meets the demand for a more powerful workshop tool for screwing in bottom bracket cups than the ordinary pinhole wrench.

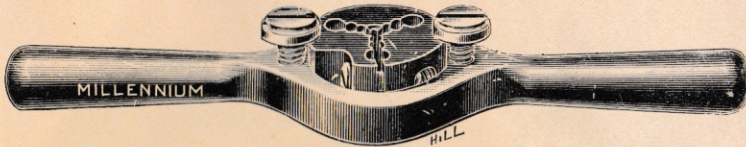
There are no pins to get out of order. The Cup is put in with the large square and withdrawn by the small square.

It takes all standard cups.

No. 120/600	Price (including spanner)	8/-
	Weight		2 lbs.

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CIRCULAR DIE HOLDER



For holding Circular Dies 1 in. diameter.

No. 109/209 **Price** **3/9**

MILLENNIUM CIRCULAR SPOKE DIES



Specially suitable for fast screwing.

Every Die tested to the 100th part of an inch.

These Dies have a reputation for uniformity of size, easy cutting and durability.

SIZES AND THREADS OF "MILLENNIUM" DIES.

Gauge	Threads per inch	Tested Outside Dia. of Threads cut by our Dies		Decimal Equivalents of Standard Wire Gauge
6G	32	.191	.192	.192
$\frac{7}{8}$	32	.187	.188	.1875
7G	32	.175	.176	.176
8G	32	.159	.160	.160
9G	36	.143	.144	.144
10G	40	.127	.128	.128
11G	44	.115	.116	.116
12G	44	.103	.104	.104
13G	56	.091	.092	.092
14G	62	.079	.080	.080
15G	56	.071	.072	.072
16G	56	.063	.064	.064

No. 118/108 **Price** **2/3**

Nipples made for Rolled Threads cannot be used on spokes screwed with these Dies.

Prices and terms are subject to alteration without notice.

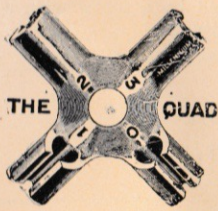
MILLENNIUM STEEL NIPPLE KEY



These Keys are made from selected steel.

- *No. 1 fits square nipples, 10 I.S.W.G. over flats.
 - No. 2 " " " 9 " " "
 - No. 3 " " " 7 " " "
 - No. 123/1000 **Price ... 13/6** per doz.
- *Fits 14, 15, and 16G. Nipples.

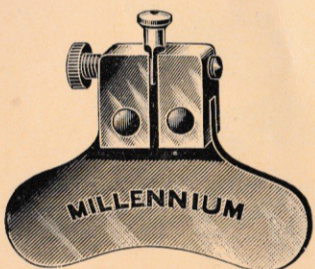
"QUAD" NIPPLE KEY



Those who prefer this style of Key will find it the best of its kind. It is guaranteed not to split.

- 1, 2, 3 are the same sizes as "Millennium" Keys, and 0 takes nipples 11G. over flats.
- No. 124/200 **Price ... 2/6** each.

MILLENNIUM ADJUSTABLE NIPPLE KEY

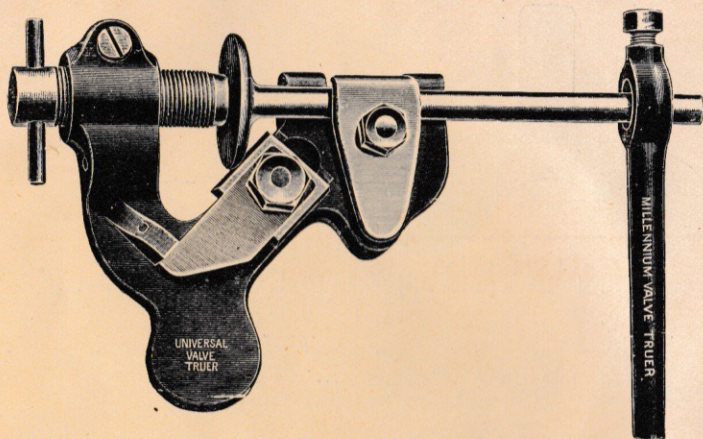


Takes all Nipples in general use.
Very Strong.
Instantly adjustable.

- No. 125/400 **Price ... 5/6** each.

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MILLENNIUM
UNIVERSAL VALVE TRUER



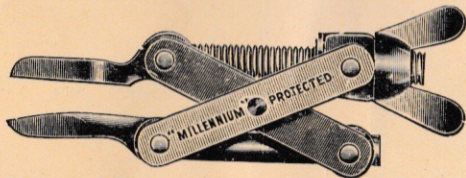
This practical tool takes valves with stems from $\frac{1}{4}$ in. to $\frac{1}{2}$ in. diameter, or heads from 1 in. to $2\frac{1}{2}$ in. diameter.

The Cutter has four cutting edges. Two holes are provided for this Cutter, and for medium sized valves the blade can be used in either hole, giving eight cutting edges. The work is fed by a screw with a fine thread, which allows very light cuts to be taken.

The valves are rotated by a long carrier supplied with the tool.

No. 204/700	Price	9/6
No. 204/100	Extra Cutters	1/4

MILLENNIUM
PARALLEL VALVE SPRING LIFTER



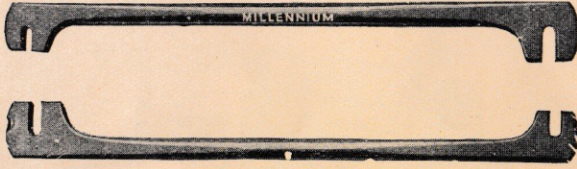
The parallel action removes the tendency to bend the Valve Stems. The lower Jaw is of a novel design, which enables it to be easily inserted between the ends of the valve and tappet.

Finished in a superior manner.

No. 205/506	Price	7/6
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WRINGING IRONS No. C68

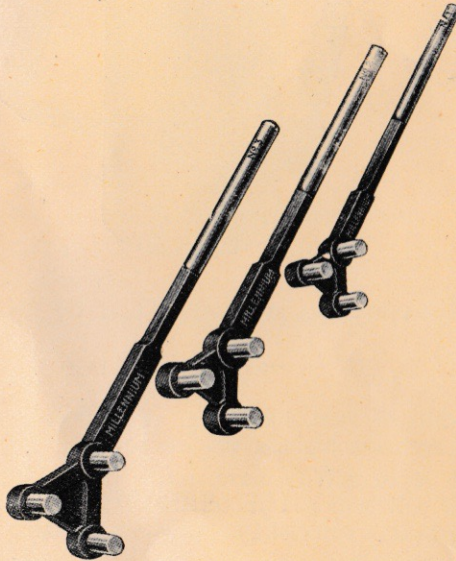


Steel. Machine cut jaws. Length over all 20 in.
 Useful for straightening Cranks, etc.

No. C68/1100

Price (per pair) **14/6**

MILLENNIUM BENDING TOOLS



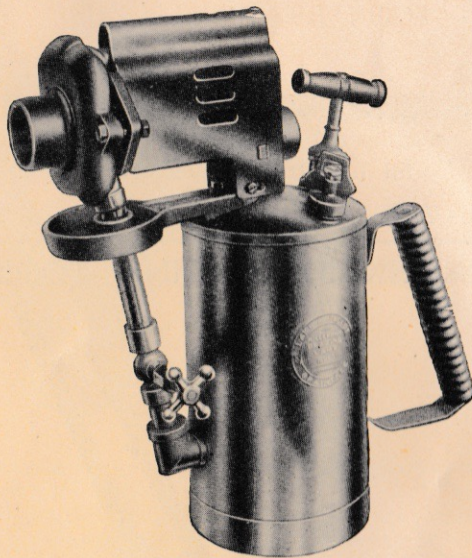
For all bending and straightening operations. The design enables them to be used in awkward situations.

The Body is a Solid High Tensile Steel Forging. The studs are of specially selected steel.

Size 1	Length 17½ ins.	No. 300/700	... Price	9/6
" 2	" 22½ "	No. 300/1100	... "	14/6
" 3	" 28½ "	No. 300/1606	... "	22/-
	No. 300/3406	Per set	£2 6 0	
	Highest Quality.		Low Price.	

Prices and terms are subject to alteration without notice.

MILLENNIUM BRAZING LAMP



This Speciality has stood the TEST OF TIME

Strongly built of best materials, it embodies the latest features for securing highest efficiency.

It will melt a 10 S.W.G. hard drawn brass wire in fifteen seconds, and will heat a 1 in. diameter x 22 G. tube on a cold brazing hearth sufficient to melt hard brazing spelter in less than 60 seconds.

Capacity—5 pints. Paraffin only is used as fuel. It starts easily with Methylated Spirit. (Petrol or other highly inflammable spirit must not be used as fuel).

Spanner, two prickers, rubber washer, and two plunger washers for pump are included in the price.

Weight 11 lbs.

No. 126/6600

Price £4 8 0

For Parts—see next page.

Prices and terms are subject to alteration without notice.

PRICES OF RENEWAL PARTS
FOR BRAZING LAMP

Burner

No.		£	s.	d.
L2/1506	Burner Complete	1	0	6
L3/703	Vapourizer Complete	0	9	9
L4/003	Nipple	0	0	4
L9a/106	Hood	0	2	0
L9/100	Front Nozzle	0	1	4
L10/006	Back Nozzle	0	0	8
L13/004	Baffle Plate	0	0	5
L18/003	$\frac{3}{8}$ in. Nuts and Bolts for Nozzle (1)	0	0	4
L19/001	$\frac{3}{8}$ in. Screws for Hood	0	0	1 $\frac{1}{2}$
L20/001	No. 3 B.A. Screws for Baffle Plate ...	0	0	1 $\frac{1}{2}$
L16/004	Gauze Filter	0	0	5
L12/009	Spirit Tray	0	1	0
L24/003	Pricker for cleaning burner	0	0	4

Pump

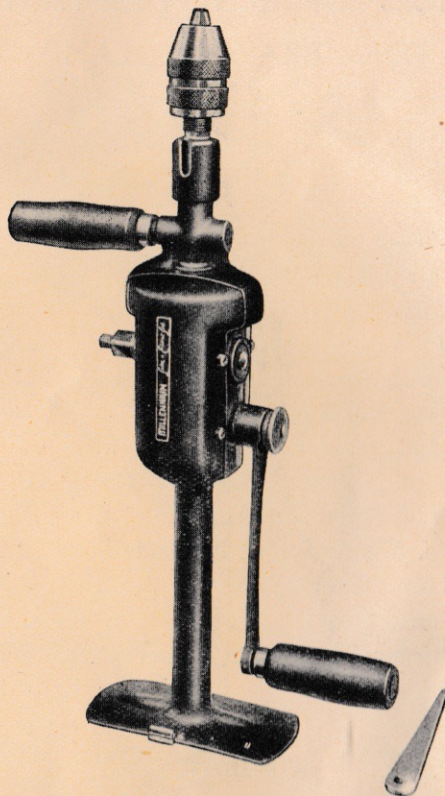
L5/709	Pump Complete	0	10	3
L6/101	Pump Barrel Top	0	1	5
L5/18/003	Plunger Leather	0	0	4
L5/15/001	Pump Rod Spring	0	0	1 $\frac{1}{2}$
L5/16/006	Pump Handle	0	0	8
003	Set of Washers, 2 Brass, 1 Leather for Pump Rod (per Set)	0	0	4

L14/600	Pressure Gauge	0	8	0
L8/209	Filling Cap Complete	0	3	8
L23/001	Filling Cap Washer	0	0	2

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MILLENNIUM BREAST DRILL



For Engineers and Mechanics who appreciate high-class workmanship, robust design and carefully selected materials, and who require a tool which guarantees accurate work with a minimum of labour.

Gears are cut from solid, mounted in double bearings, and enclosed in a removable grease-retaining dust-proof cover.

A ball thrust bearing and enclosed flywheel ensures sweet and easy running—especially on high speed.

The 3-Jaw Chuck is readily tightened as the drift provided for removing taper shank drills prevents the shaft rotating.

The Morse Taper Socket enables large size drills to be used.

High and Low Speeds are provided. The handle may be instantly changed to the speed desired.

The extension is a convenient storage for drills.

This Tool appeals to those who regard accurate work and continuous service as of greater importance than first cost.

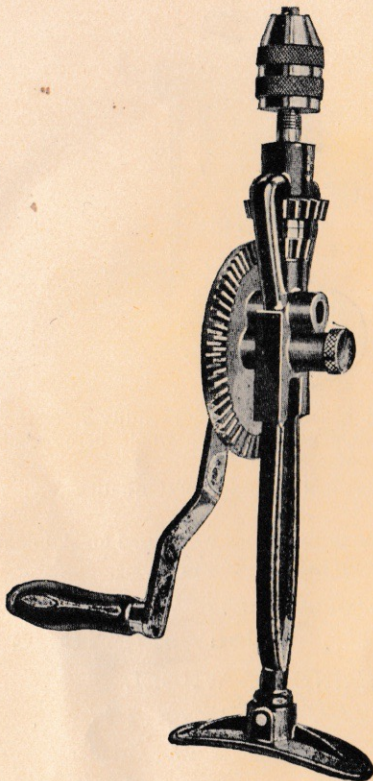
No. 218/2900

Price £1 18 6

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Lake & Elliot, Ltd.
 BRAINTREE ESSEX

L. & E. BREAST DRILL



ALL STEEL THROUGHOUT.

The Gears are Steel stampings with Machine Cut Teeth.
 Handle is adjustable in four positions from $6\frac{1}{4}$ ins. to $3\frac{1}{4}$ ins.
 Chuck takes drills up to $\frac{1}{2}$ in.
 Two speeds. Instant Change.
 The Rest is adjustable.
 Fitted with improved steady handle.
 Accurately Built for Accurate Work.

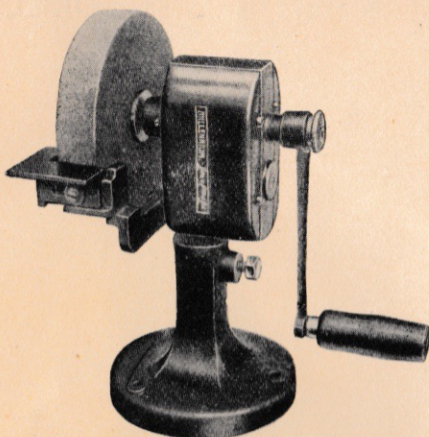
No. 302/1606

Price £1 2 0

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Saker & Elliot, Ltd
 BRAINTREE ESSEX

MILLENNIUM TOOL GRINDER



The Driving Mechanism is substantial and readily gives the necessary high speed for satisfactory grinding, the whole being enclosed in a grease-retaining dust-proof cover.

The Grinding Wheel (size $6 \times 1\frac{1}{4}$) is of best quality. An adjustable rest is provided.

A stand is provided for fixing to a bench when used for shop purposes.

For use on the job the stem may be held in a vice.

INCLUDING GRINDING WHEEL

No. 219/2900 **Price £1 18 6**

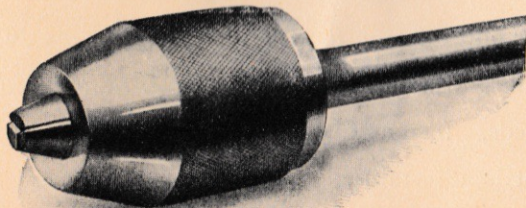
GRINDING WHEEL

No. 219/803 **Price 11/-**

Treadle attachment for Tool Grinder

No. 220/906 **Price 12/9**

CHUCK



Chuck for use with small lathes, with $\frac{1}{4}$ in. dia. shank.

No. 216/406 **Price 6/-**

Prices and terms are subject to alteration without notice.

