The Royal Bar-Cock Typewriter.

12 & 14, Queen Victoria's Street, London, E.C.
Fourteen years ago few firms used Typewriters. Fewer still used them in anything but a half-hearted, tentative sort of way. The machines of those days were crude and complicated. The operator had to be constantly on the watch, ready to adjust a dozen different details. It seemed as if the original inventors, contented with having made a machine which would write, had ceased to improve it.

Then the Bar-Lock arrived, with its "WRITING ALWAYS IN SIGHT" and Automatic Actions. It commenced where the others left off. In those days all the other machines did their writing upside down. It came as a shock to the makers that anyone could construct a Typewriter having the writing in sight. The BAR-LOCK inventor, however, was not content to rest upon his laurels. Improvement rapidly followed upon improvement, and the ROYAL BAR-LOCK to-day is a victorious rival of the old-style machines.

The Five Typewriters constructed upon the main lines of the original machine now combined and formed a "Trust," known as the Union Typewriter Company of Newark, U.S.A. But the BAR-LOCK still progressed.

The Typewriter Co., Ltd., is a British Company, under British management, and financed by British capital. The Company has no connection with the American Typewriter Trust.

Here are ten BAR-LOCK points, original ideas and improvements in automatic construction, which have been copied on the latest models of the Trust Machines as nearly as the BAR-LOCK Patents allow:


But in spite of such flattering attentions, the ROYAL BAR-LOCK still stands as a synonym for all that is best and most up-to-date in Typewriter construction.

**Test and Compare before Buying.** It is cheaper than doing so afterwards. The more you know about Typewriters the more you will appreciate

The Royal Bar-Lock.

The Typewriter Co., Ltd.,

W. J. RICHARDSON, Chairman & Managing Director,

198, Upper Thames Street,

London, E.C.
What the “Bar-Lock” Introduced.

**Writing Always in Sight.**

- Automatic ink ribbon feed reverse.
- Automatic line spacing.
- Automatic device for writing on ruled lines.
- Automatic invoicing device.
- Automatic adjustable paper feed.
- Automatic adjustable envelope feed.
- Automatic paragraph spacing key.
- Automatic keyboard lock and release key.
- Automatic margin release key.
- Paper platen reverse.

- Detachable ink ribbon gear for cutting stencils.
- Adjustable typebar bearings.
- Left-hand carriage release.
- Removable ink ribbon spools.
- Device for writing in red ink.
- Wheel for rotating paper platen.
- Instantaneous type cleaning.
- Removable printing platen.
- Concave Xylonite key buttons.
- Perfect alignment when manifolding.
- Duplicate keyboard.

What the “Bar-Lock” has Improved.

- Mechanical construction.
- Alignment.
- Key touch.
- Compactness.

- Speed.
- Manifolding.
- Reduced noise.
- Durability.

What the “Bar-Lock” Eliminated.

- Writing upside down and out of sight.
- Paper carriage lifting device.
- Duplicate scales.
- Special envelope holders.
- Revolving type brush.
- Envelope guides.
- Unpinning or removing ink ribbon when cutting stencils.

- Wooden key levers.
- Paper platen rotating device.
- Special tabular scales.
- Special ribbon supports.
- Paper guides.
- Paper feed adjusting screws.
- Flat glass-top keys.
- Shift key for capital letters.

Visible Writing.

Perfect Alignment.
"Writing Always in Sight."

The Strongest Argument in Favour of seeing what you are doing is supplied by the makers of the old-style hidden-writing Typewriters, who are continually bringing forward some device the object of which is to lessen the tiresome labour of lifting the paper carriage. But whether the entire paper carriage is lifted, or the printing platen is tilted by itself, the fact remains that, at the moment of writing, the work is hidden, and the operator, in order to make an examination, must stop work, lift the hands from the keyboard, raise up or pull forward the carriage, replace it, and return the hands to the keyboard before starting work again.

We Predict that, within a few years, only visible-writing machines will be manufactured. The makers of the old-style hidden-writing machines will be forced to re-design their machines, or be driven off the market by the Royal BAR-LOCK.

Advantage to Learners.

The Visible Writing and automatic actions of the BAR-LOCK Typewriter render its operation so easy that anyone can work it without previous training.

Operators Need Not.

No matter how Expert an Operator may be, the paper carriage is being continuously lifted. Watch any operator for five minutes and count the number of times work is stopped for this purpose. Lifting a carriage four pounds in weight once a minute means a loss of time equal to writing three words, which amounts per day to a loss of fifteen hundred words, and to lifting two thousand five hundred and sixty pounds weight. A skilled clerk ought not to do the work of a labourer.

Work Always in Sight.

The Bar-Lock successfully Solves the Problem of having the work always in sight just as when writing with a pen, and without the loss of a single good feature, while the construction of the machine made it possible to add a host of advantages.

Automatic Actions.

Ease of Operation.
"Writing Always in Sight."

Directly the Bar-Lock showed the Way, many new Type-writers were designed to also achieve this important result. But the patents with which the Bar-Lock is protected stood in the way. These machines have visible writing in name only, as they either hide the last few words or all but the last two lines, or only expose the centre of the paper, hiding the writing at both ends of the line. The Bar-Lock is now, as it was when first introduced, the only machine which does the writing in full view of the operator and keeps it there.

Visible Writing enables the operator to turn out twenty per cent. more work on a Bar-Lock than on a hidden-writing machine, and this without any increase of speed in manipulating the keys. This twenty per cent. is saved by the operator because there is no time wasted in lifting the carriage to look for imaginary errors or to correct real ones.

The Royal Bar-Lock puts the least obstruction possible between the writer and the expression of his thoughts. The writer can "think" with a Bar-Lock. It bears the closest analogy to writing with a pen without any of its drudgery.

The following Remarks by a prominent Journalist and Author sum the matter up:

"We can speak in high terms of the excellence of the 'Bar-Lock' Type-writer, for the bulk of our editorial matter is done on one of the Royal Model Machines, and it gives complete satisfaction. The great advantage over other Typewriters is that you can see the words as you write them. Lack of this feature renders many otherwise good machines unsuitable for literary work, and restricts them to copying pure and simple. The 'Bar-Lock' is a decided improvement in this direction, and, besides, it bristles with other good points."

"Writing Always in Sight."
The Writing Machine of
The Twentieth Century.

The New No. 10 Model.

Contains all the good points
of the previous models,
and many new features.

Specification.

Base - Malleable Casting, Enamelled Black.
Paper Carriage - Adjustable Ball Bearings.
Typebar Rest - Oxydised Gun-Metal.
Type - Hardened Steel.
Typebars - Steel Stampings, plated dull Nickel.
Typebars - Tempered Sheffield Tool Steel, adjustable Truncated Cones.
Key Lefers - Shaped Steel, one piece.
Spacing Dogs - Tempered Sheffield Tool Steel, Free Wheel, Rotary Escape-

ment.
Printing Platen - Vulcanised Rubber.
Key Buttons - Xylonite, inlaid characters.
Bright Parts - Nickel-plated on Copper.
Office Case - Polished Walnut, fitted with Lock and Key.
Sundries - Book of Directions for use, Bottle of Oil, Type Brush,

Screwdriver.

Automatic Actions.
Ease of Operation.
The Royal "Bar-Lock" Typewriter.

(No. 10 Model.)

14½ inches long; 13 inches wide; 8 inches high.

This Machine will print from edge to edge on any thickness, quality, or size of paper, from a postal card or envelope to a sheet of paper 9½ inches or 80 letters wide.

Price complete (as per Specification on Page 5), £23:0:0.

Any special arrangement of the keyboard desired in a Bar-Lock Typewriter, or special characters, such as the following, &c., will be furnished in place of those on the Machine without extra charge.

\[ \sqrt{\div\circ} r. ! + \times = - ? \mathbb{P} \square \$ \times \$ \}
\[ \text{Ä Æ æ Æ Ö Ü ä ö ü " " á à è é ê ç ñ ñ} \text{ u % Bx. Ya. Oz. Dz. N° C°}

AND ALL FRACTIONS.

For specimens of various styles of type, see Page 23.

For description of Tabulating Attachment, see Pages 8 and 9.
The Royal "Bar-Lock" Typewriter.

(No. 11 Model.)

A Universal Writing Machine.

The Royal Bar-Lock Typewriter No. 11 is in all respects the same as the Royal Bar-Lock No. 10, possessing the same improvements and advantages, and differing only from that machine in size.

The No. 11 Model is capable of writing on any thickness, quality, or size of paper, from a postal card or envelope to an insurance policy, i.e., a sheet of paper 16½ inches wide, and will write a line longer than any other machine extant, viz., 150 letters in Pica; Large, Small, or Condensed Large Roman type; and 187 letters in Elite type.

Notwithstanding this unprecedented capacity, its action is just as easy and silent, the depression of the keys just as short and light, and its speed just as great, as that of the smaller machines.

**Price complete** (as per Specification on page 5), £25 : 10 : 0.
Automatic Accounting Device.

Invention.

The Lack of a Practical Method, enabling tabular matter to be written with a rapidity equal to that of ordinary correspondence, had long been felt to be a deficiency in Typewriters.

As with all other modern devices on the Typewriter for doing automatically those things which heretofore the operator had to do manually, the inventor of the ROYAL BAR-LOCK first supplied this want by a simple attachment which, including screws, consists of nine parts.

2 No. 10 Bar-Lock Typewriters, pica type. £23. 0. 0. 46. 0. 0.
2 Accounting Attachments. £1.10. 0 3. 0. 0.
5 reams No.1 manifolding paper. £5. 0. 1. 5. 0.
10 reams No.11 writing paper £3. 0. 1.10. 0.

£51.15. 0.

Scope.

The Paper Carriage moves automatically from any desired place to any other place. Without touching the space board or carriage-releasing levers the operator can be sure of placing words or figures in any desired position. It ensures a vertical alignment of words or figures in columns for invoices, statements, schedules, or trial balances, as rapidly and easily as writing ordinary correspondence. It is readily adjustable for any number or any position of columns to a line. One touch of the M.R. key does it.

<table>
<thead>
<tr>
<th>Users</th>
<th>Amount brought forward</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utica</td>
<td>23</td>
</tr>
<tr>
<td>Poughkeepsie</td>
<td>417</td>
</tr>
<tr>
<td>Rome</td>
<td>32</td>
</tr>
<tr>
<td>Syracuse</td>
<td>54</td>
</tr>
<tr>
<td>Buffalo</td>
<td>120</td>
</tr>
<tr>
<td>Troy</td>
<td>07</td>
</tr>
<tr>
<td>New York</td>
<td>123</td>
</tr>
<tr>
<td>Albany</td>
<td>47</td>
</tr>
<tr>
<td>Buffalo</td>
<td>287</td>
</tr>
<tr>
<td>Chicago</td>
<td>342</td>
</tr>
<tr>
<td>New York</td>
<td>67</td>
</tr>
<tr>
<td>Ithica</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>7.50</td>
</tr>
<tr>
<td></td>
<td>1.40</td>
</tr>
<tr>
<td></td>
<td>1.25</td>
</tr>
<tr>
<td></td>
<td>7.80</td>
</tr>
<tr>
<td></td>
<td>6.20</td>
</tr>
<tr>
<td></td>
<td>50.02</td>
</tr>
<tr>
<td></td>
<td>41.00</td>
</tr>
<tr>
<td></td>
<td>1.06</td>
</tr>
<tr>
<td></td>
<td>04.00</td>
</tr>
</tbody>
</table>

Every Bank, insurance company, municipal office, railway company, architect, engineer, commercial and professional firm needs this device. It can be used for statements of accounts, actuarial work, inventories, price lists, invoices, specifications, bills of cost, abstracts, bills of quantity, pay rolls, piece work lists, and all tabular work where accuracy and distinctness are important.

This attachment on the ROYAL BAR-LOCK does not interfere with the use of the machine for ordinary work.

The accounting attachment will be fitted to the No. 10 for £1 10s. 0d., and to the No. 11 BAR-LOCK for £1 15s. 0d., in addition to the usual list prices.

Messrs. LEVER BROS., Ltd., Port Sunlight, use over one hundred and fifty Royal "Bar-Locks" for invoicing.

Visible Writing.

Perfect Alignment.

"Writing Always in Sight."

8
Messrs. JAMES SPICER & SONS, Wholesale Paper Merchants, who use Twenty-six “Bar-Locks,” have kindly allowed the above Photographic reproduction of one of their Typewritten Invoices to be used in this Catalogue.

“Writing Always in Sight.”

## Table of Paper Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Dimensions</th>
<th>Price per Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 rms White Demy Blotting Blanket</td>
<td>38</td>
<td>25 x 36 x 26</td>
<td>15/-</td>
<td>£ 37.10.0</td>
</tr>
<tr>
<td>In 5 bales</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 rms Crm Ld Lge post “Indiana”</td>
<td>18</td>
<td>32 x 34 x 24</td>
<td>9/-</td>
<td>£ 48.0.0</td>
</tr>
<tr>
<td>In 4 cases</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 rms M.G. Dbl Crown Endurance</td>
<td>13</td>
<td></td>
<td>20/-</td>
<td>£ 10.8.11</td>
</tr>
<tr>
<td>#10-1-22</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 In 1 bale 46 x 21 x 30</td>
<td></td>
<td></td>
<td>5/-</td>
<td>£ 5.15.8</td>
</tr>
<tr>
<td>20 rms Azure Ld Dbl F'cap Strathdee</td>
<td></td>
<td>35 x 28 x 22</td>
<td>5/-</td>
<td>£ 98.15.7</td>
</tr>
</tbody>
</table>

**Automatic Actions.**

**Ease of Operation.**
The Life of the Machine.

The Strength of a Chain is in its weakest link. In all machinery there is some part upon which falls the greatest amount of wear and tear. Consequently, upon the durability of that part rests "the life of the machine."

The greatest strain on a Typewriter comes upon the bearing or pivot on which the Typebar moves to and from the printing point. If the bearing is perfect, the letters are in alignment, as in this specimen:

This shows the appearance of the writing of the Royal Bar-Lock Typewriter. Perfect alignment is secured by broad, adjustable bearings at one end of the typebar, and a Typebar Lock in which each typebar is rigidly secured at the printing point.

If, owing to wear and tear or faulty design, the bearing is imperfect, the writing will be like this:

This shows the appearance, after a year or two of the writing of those machines which have no adjustment for taking up wear, or are without a lock to the typebar, or have faultily designed bearings.

Adjustable Typebar Bearings.

The Royal Bar-Lock Typewriter is fitted with a typebar which has the widest right-angle bearing ever placed on a Typewriter. Each bearing is made from the best tempered Sheffield tool steel, the points being shaped to a truncated cone, one end working in the left wall of a steel hanger, the other end into a steel screw fitting into the opposite wall of the hanger. It will thus be apparent that by a slight turn of the screw it is advanced parallel to the opposite wall, and any slackness caused by long usage is taken up, and the joint rendered equal to new.

Visible Writing.

Perfect Alignment.

"Writing Always in Sight."
The Problem which Inventors have had to Face is how to increase the width of the bearing without increasing the size of the arc, which would necessitate longer Typebars, and neutralise any benefit derived from the broad bearing. The illustration shows the simple yet ingenious plan by which a broad bearing is obtained. Three typebars are placed above one another on one hanger, giving three times the width of bearing, without increasing the size of the arc. The one broad hanger simply occupies the space of three small single ones. Its very simplicity illustrates the genius of the inventor.

The Illustration shows the Actual Size of the frame or hanger containing the three typebars, each working on an independent bearing or pivot placed one above the other. One typebar is down, showing the position it is in when locked by the conical pins of the lock at the printing point.

The Illustration also shows the triple precautions to secure permanent alignment—1st, Broad right-angle bearings; 2nd, Adjustable bearings; 3rd, A lock at the printing point.

"Writing Always in Sight."
"EXCELLENT DEVICE! WAS THERE EVER HEARD A BETTER?"—
Shakespeare.

The Lock to the Typebar.

The Royal Bar=Lock, by reason of its broad, adjustable bearings, has less need than any other Typewriter for additional means to prevent bad printing. The aim of the inventor, however, has been not only to make a machine good enough to sell, but also to make the best machine that could be sold. For this reason the BAR-LOCK alignment is made permanent by a lock at the printing point.

Since the Introduction of the Bar=Lock, several machines have been made with "centre guides" for the type. These must not be confounded with the lock of the BAR-LOCK. This lock can be removed from the machine, and yet the type will write in a straight line, even better than machines constructed without a lock. Machines having a centre guide use that guide to force the type into alignment, thus saving the cost of broad and adjustable bearings to the typebars. Take the centre guide off such a machine, and then attempt to write. No two letters will print in alignment.

Writing Always in Sight.”

Visible Writing.
Perfect Alignment.
The Lock on the Bar-Lock is not intended to force into alignment type which are fastened to cheap riveted-joint typebars. It is simply an additional aid to the most perfect bearing made. From the illustration (page 11) it will be seen that the lock is simplicity itself. It is a semi-circle of conical tempered phosphor-bronze pins, arranged just above the paper platen to receive the typebars about half an inch from the type. Each typebar in falling is locked against sideplay between two of these pins, so ensuring the alignment and steadying the stroke.

There you have the name, "BAR-Lock."

The type do not touch the lock pins, and therefore cannot be injured. The force of the impact of the type is not lessened, for the friction of the flat typebars against the circular pins is imperceptible.

The lock is only a detail in the construction of a Typewriter, but perfection is made up of attention to just such details as these.

The Typebars are Worthy of Attention. (See illustration, page 11.) They are shaped like a knife-blade, so as to oppose a wide surface to resist the blow on the paper. There is no side strain, and weight is saved by using only sufficient thickness as will ensure rigidity. Extra stiffness is gained by the longitudinal ridge.

Each typebar is a steel stamping, made in a single piece. It is half an inch wide, tapering to quarter of an inch. It is 3/16 of an inch in thickness on the body of the typebar. It is stronger and more durable than typebars made from one-eighth-inch round wire, or sheet metal 1/8 of an inch thick in double sections, riveted together at the joints, as used by some Typewriters.

The value of a Typewriter is determined by the finish and strength of its details.

There are no weak points of construction on the BAR-Lock Typewriter, therefore no part is enclosed in japanned or nickel-plated sheet-iron, to shut faulty construction and defective details out of sight, and shut in the dust and dirt.

We court investigation and comparison. The more you know about Typewriters, the more you will appreciate the ROYAL BAR-Lock.

"Writing Always in Sight."
Only Recently Typewriter users have appreciated the true importance of the paper carriage. Typewriter manufacturers have known for years the difficulty of designing a paper carriage which would allow of the rapid insertion of any size or thickness of paper, and would feed all thicknesses of paper with equal facility. An examination of the various Typewriters will show that the makers, with one exception, rely upon the operator having to adjust the paper feed by sliding guides and tension adjusting screws.

The inventor of the Royal Bar-Lock, following out his principle of making the machine do automatically those things which on other Typewriters the operator has to attend to, designed a paper carriage which justifies the claim of perfection.

The Royal Bar-Lock was the First to Make the spacing of the lines automatic and simultaneous with the moving across of the paper carriage for the commencement of a new line of writing. Though this device has been copied, it has never been equalled. The line spacing is automatic for single, double, or treble width lines at pleasure.

The Secret of this Perfect Paper Feed is the abandonment of the old-style adjustment, by means of which the paper was fed in between two rollers. The accuracy of the feed depended upon the friction of the small roller against the paper roller at the point of contact. The two were held in contact by steel springs. The paper was only gripped at the point of contact, and the spring tension had to be adjusted by the operator according to the number and thickness of sheets used. The feeding depended to a very large extent upon the operator's skill.
Automatic Adjusting Feed. The New Bar-Lock Paper Feed does away with the steel springs. In their place are used two pure rubber bands three-quarters of an inch in width. Each revolves on three anti-friction rollers fixed to a tilting nickel-plated frame. The bands hug the paper platen for one-half of its circumference. The rubber feed bands will yield to any thickness of paper or inequality of thickness in envelopes. They grip the paper firmly but do not soil or crease the paper when manifolding, nor do they injure a wax stencil sheet. They automatically adjust themselves to, and feed equally well, a sheet of Japanese flimsy, a thick folded sheet, an envelope, a postcard, or a dozen manifolds.

Addressing Envelopes is no longer a Trial to the operator. The Bar-Lock feed admits of an instantaneous insertion of an envelope by a half-turn backward of the platen, operated by the bell wheel.

The Bar-Lock was the First to Fit at the right-hand end of the paper platen a large knob for rotating the same for the rapid insertion of the paper. In rapidity it is still unequalled.

The Bar-Lock was the First to Construct the paper feed so that the platen could be freely turned backwards as well as forwards, the original device remains unequalled.

The Printing Platen can be Instantly Removed, and replaced by a specially hard one, when a large number of carbon manifold copies are required.

"Writing Always in Sight."
Duplicate Paper Feed. The Writing of a Letter may be interrupted at any stage to admit the insertion of an envelope, telegram, or postal card without interfering with the letter already being written. This is permitted to remain, as shown in the illustration. When the second writing is completed, the first may be continued as if no interruption had taken place. This feature saves the time usually required in either removing the platen from the machine, or in withdrawing the first sheet to admit the second, and thereafter readjusting the first in the machine.

Adjustable Ball Bearings. The use of Ball Bearings for facilitating the travel of the paper carriage is one of the very few improvements in modern typewriter construction not originated by the BAR-LOCK; in fact, until the introduction of the No. 10 and No. 11 Models ball bearings have been eschewed by the inventor of the BAR-LOCK because of the liability of the balls to collect at one end of the carriage track rods, and the difficulty of adjustment to compensate for wear. After a long practical test, the BAR-LOCK has been fitted with a ball race and ball divider, travelling with the carriage, which has all the advantages without the drawbacks mentioned. The new movement is readily adjustable, and there is no risk of the balls jamming. We can confidently recommend the new ball race on the BAR-LOCK as the simplest and most rapid made.

Visible Writing. Perfect Alignment.

"Writing Always in Sight."
The New Nos. 10 and 11 Models are fitted with a free-wheel rotary spacing escapement for moving the paper-carriage letter by letter when writing. This form of spacing gear is not only exceedingly rapid and durable, but has the advantage of being practically noiseless in its action.

Every Operator knows the Difficulty of paragraphing quickly when writing fast. Either the carriage is pushed over slowly and stopped ten spaces in, or it is brought over to the usual margin stop and the space board tapped five or ten times. These ways of obtaining a fresh paragraph margin are both slow and uncertain. There is always the risk of tapping one space too many or too few, the result being an uneven appearance of the letter or document.

There is none of this trouble with the Royal Bar-Lock. It is quick and sure.

Push the carriage across with the left hand to commence a new paragraph. At the same time touch the Paragraph key at the right side of the keyboard with the first finger of the right hand. This tilts up the right-hand margin block (B), causing the extension (A) on the underside of the scale to stop the carriage ten spaces from the usual margin.

This paragraph device does not mean additional mechanism. It is simply an extension of the ordinary margin block.

"Writing Always in Sight."

Automatic Actions.
Ease of Operation.
Marginal Notes.

The Bar-Lock was the First Machine constructed so that the left-hand margin block could be tilted, thus allowing the carriage to escape the set margin stop, and enabling the operator to write a marginal note. The original margin is recovered the next time the carriage is returned for a new line. This is controlled by the M.R. key. The hands are not lifted from the keyboard as on machines which have copied this idea.

The Bar-Lock was the First Machine upon which the keys were locked at the end of the line of writing. Operators on the old-style Typewriters often fail to notice the ringing of the bell. They run off the paper or print one letter over another at the end of the line. The BAR-LOCK keyboard lock renders this impossible.

At whatever number on the paper scale it is desired to commence the line of writing, the block (B) is moved to the corresponding figure on the margin scale, and the block (C) moved to the number it is desired the line should end at. When the carriage reaches the number block (C) is set at, the typebars are automatically locked, and no character can be printed. If, however, it is desired to finish a word, one tap on the wonderful M.R. key releases the lock, and as many characters may be written as is desired. Compare the simplicity of this lock, containing but four parts, with the complicated adaptations of it on other writing machines.

Strength and simplicity are stamped on every feature of the BAR-LOCK.

Visible Writing.
Perfect Alignment.

"Writing Always in Sight."
Users of Old-Style Typewriters are unable to write on ruled lines, or fill in printed forms, &c., except by the slow and troublesome method of pulling the paper about until the line to be written comes on the usual line of writing. Further time is wasted in lifting the paper carriage to see if the attempt has been successful. Usually it has not, the writing is under the line or over it.

**The Royal Bar-Lock** prevents this annoyance. All the operator has to do is to push in the plunger stud (A) on the line space gauge. This disengages the ratchet wheel and allows the paper platen to be turned instantly to any desired position. The lock-plate pointer shows exactly where the next letter will print. There is no guess-work. The ordinary line spacing is thrown into action again by a tap on the gauge.

**The Lock-Plate Pointer** enables corrections to be instantly made, or the paper inserted for interlineation.

**The Ink Ribbon** is automatic in its action. The operator need give no care or attention to it. The machine automatically reverses the winding of the ribbon from spool to spool.

As with other modern Typewriter improvements, the Bar-Lock first introduced the automatic reversing of the ink ribbon. Some Typewriters have copied it as nearly as the patents allow. It is well to point out the simplicity of the mechanism used on the Royal Bar-Lock. The ink ribbon is sold wound on the metal spools, so that it may be instantly inserted or removed from the machine without soiling the hands. Directly the ribbon has fully unwound from a spool, it at once re-winds on to the empty spool until it is full, when the process is repeated.

"Writing Always in Sight."

Automatic Actions.

Ease of Operation.
With the Bar-Lock there is no need to remove the ink ribbon when cutting stencil, the simple movement of a lever throws the ink ribbon out of gear, so that it no longer interposes between the type and paper.

The Grouping of the Keys is based on the practical experience of over two hundred years, viz., a Printer's Typecase, and is known as the "Universal Keyboard." This arrangement is used on all standard machines. An operator on any of the old-style hidden-writing Typewriters can therefore at once operate the Royal Bar-Lock.

The White keyboard writes the lower case, and the black keyboard the upper case. The black keyboard is a duplicate of the white one as far as the alphabet is concerned, therefore there is only one keyboard to learn.

The Keyboard of the Royal Bar-Lock contains a separate key for every character. The loss of time occasioned by machines which use a shift-key is saved by the Bar-Lock.

A shift-key is a waste of time; it causes about 1,500 to 2,000 unnecessary movements per day. There is also the drawback of having to remember the different meanings of the shiftings.

On the Bar-Lock there is a key for respectively, and each means what it says. On other machines, the key states "A" and does not mean it. To write "A," the shift-key must first be held down or the character printed will be "a." With other machines, the key states and if the key is depressed it prints not "A" but "a." If "A" is wanted, the shift-key for capitals must be first depressed and held down, while with the other hand the key "A" is struck. If "2" is wanted, then the shift-key for figures must first be held down.

The Royal Bar-Lock duplicate keyboard costs more to make than a shift keyboard, but no extra charge is made to you.

Visible Writing.

Perfect Alignment.
The *Plyonite Keys* are concave, to adapt themselves to the shape of the operator’s fingers. The characters are inlaid on the top of the key.

The *Touch of the Keys* is delightfully soft and easy; just a short enough depression for rapid operation.

**Writing in Colours.**

**Emphasizing by Writing in Red** or any other colour a word, price, or any special part of a letter, invoice, deed, &c., can be effected without any change of the ink ribbon or any readjustment of the machine.

**Erasures and Corrections** can be instantly made without raising the paper carriage or altering the position of the paper.

**Supplies.**

To Obtain the *Best Work* it is necessary that the best supplies manufactured should be used. Our aim is to produce the very best supplies at the lowest prices consistent with the quality we wish to maintain. It is to be understood that none of these accessories are necessary with the exception of ink ribbons; but they are conducive to producing the best results, both in regard to speed and quality of writing. They will be found to be worth the small additional cost.

Illustrated Desk, Supply and Paper Catalogue forwarded on application.

**Automatic Actions.**

**Ease of Operation.**
"Sterling" Ink Ribbons.

The "Sterling" is the outcome of prolonged Experiments by skilled Chemists, aided by our twelve years' practical experience of the requirements of Typewriter users. They are the only Typewriter ribbons manufactured in England, and we guarantee their copying properties and durability. Our speciality is the "Sterling" Bronze-Purple Copying Ribbon. It will last longer than any other ink ribbon with which we are acquainted, and will give four to six copies in the letter press book. The writing produced has a solid, clean-cut appearance.

The "Sterling" Ink ribbons are made for all makes of Typewriters.

Prices.

Record Ribbons, non-copying, in the following colours: Purple, blue, green, red, and indelible black.

Price 3s. each, 30s. per dozen.

Copying Ribbons, in the following colours: Purple, blue, green, red, black copying purple, black copying blue, black copying green.

Price 3s. each, 30s. per dozen.

To enable our clients to obtain the benefit of the special dozen rate, we supply a book of twelve tickets: each ticket is good on presentation for one ink ribbon for any colour or any style of Typewriter. The ribbons being obtained only when needed for immediate use are fresh and new, preventing loss or waste.

Price per book of one dozen tickets 30s.

Lithographic and Hectograph ribbons. Price 4s. each, or 37s. 6d. per dozen.

"Sterling" Indelible Official Ink Ribbon.

This ink ribbon writes a deep blue-black; the copy in the letter press copying book is a deep blue. Both the original and press copy are permanent. Price 6s. each, or 57s. 6d. per dozen.

"Sterling" rapid Roller Copier ink ribbons, manufactured expressly for use with the Rapid Roller Copier. Price 4s. each.

A charge of 6d. is made for the metal spool on which the ribbon is wound, and the same sum is allowed for it when returned.

We desire to caution our clients against unscrupulous imitations of the Bar-Lock ink ribbon spools. These spools are protected by the Company's patent rights; the genuine can only be purchased from the Company or its branch offices. Sellers of such imitation spools or users thereof will be proceeded against as the law directs.
PICA.
This is a specimen of our Pica type: is a general favorite. Writes 85 characters to the line.
$ 1 2 3 4 5 6 7 8 9 .$

Small Roman.
This is a specimen of Small Roman: is a very plain and distinct type. Writes 85 characters to the line.
- 1 2 3 4 5 6 7 8 9 0 -

Condensed Large Roman.
An exceedingly pretty type, clear cut and distinct; well adapted for business correspondence and commercial use generally. 1 2 3 4 5 6 7 8 9 0 -

Large Roman.
This type is very clear and distinct, and is an especial favorite with Clergymen. Is also used extensively by Telegraph Operators.
- 1 2 3 4 5 6 7 8 9 0 -

This is a specimen of our Elite Type. Is well adapted to private correspondence or where condensation is of value. Writes 110 characters to the line.
- 1 2 3 4 5 6 7 8 9 0 -

ITALIC.
This is a specimen of our Italic Type, writes 72 characters to the line; preferred by many of our patrons owing to its resemblance to permanence.
- 1 2 3 4 5 6 7 8 9 0 $ -
The Royal Automatic  
"Bar-Lock"
- - - Type Writer.

Date ___________________ 189

FOR ONE YEAR from date hereof we

Guarantee

Royal "Bar-Lock" Type Writer No. _______ and will replace all broken parts and make good all defects free of charge at the London Office or nearest Country Branch.

Always providing that the said defects do not arise from violence or improper usage; and providing also that only the Company's ink ribbons and oil be used upon the machine.

The Type Writer Company, Limited.

Head Office  
12, 14 & 16, QUEEN VICTORIA STREET, 
LONDON, E.C.  
Managing Director.

What We Believe.

That the Majority of Business Men want, not low price and low quality, but the most perfect Typewriter that human ingenuity and mechanical skill can construct.

That the majority of Business Men are prepared to pay a fair price for the machine "which constitutes supreme excellence."

That we cater for the majority, not a small minority.

That merit and quality will win in the long run, and therefore we do not belong to any "Trust."

That we have constructed the best of all good Typewriters.

That our book of testimonials, "Time Tests all Things," proves that—

The Royal "Bar-Lock"
Has Stood the Test of Time.

Registered Trade Mark.