

The **SUN** TYPEWRITER No. 3



Price \$75.00

Manufactured by

—The Sun—
Typewriter Co.

Organized 1885

239 BROADWAY
NEW YORK CITY

THE SUN TYPEWRITER NO. 3

Is an evolution of the No. 2 Model, enlarged and improved upon to meet the demand of the most critical users of writing machines who are willing to pay for the BEST.

It contains all the advantages as mentioned in the description of our No. 2 SUN, with the addition of valuable features and conveniences, making the No. 3 Model a more pretentious typewriter exemplifying the highest development in the art.

It embodies the following desirable features:

PERFECT WORK,
EXTREME SPEED,
VISIBLE WRITING,
HEAVY MANIFOLDING

in the most highly developed form, and includes characteristics which enable a larger range and higher capacity of work than the No. 2 Model.

To prevent misunderstanding as to the relative merits of the two models of SUN typewriters, and possible detraction of the No. 2 Model, it must not be supposed that the latter is not all, and more than we claim for it. A five dollar watch will keep as good time as a watch costing \$25.00, and yet there is reason for the demand of the latter style. It is the refined and high development of the mechanism and extra finish which cost in manufacture, and whereas no expense has been spared in the manufacture of the No. 3 Model, the No. 2 has been made possible only by the strictest economies, plainness of finish, and the simplification of its entire organism. The materials used in both models are of the best, and therefore practically the same, but as an illustration in the matter of finish, which comprises nickel plate and japan, the No. 3 includes twice the cost; then there are approximately 250 more parts than in the No. 2.

Without attempting to enumerate all features of difference in detail, the No. 3 includes many superior characteristics.

The paper carriage is larger and takes in paper 10 inches wide, which includes corresponding greater details.

The practically automatic line space mechanism returns the carriage to begin a new line, and feeds the paper forward for the next line, by a single operation in one direction, instead of requiring motion in two directions, as in the No. 2 Model and most other writing machines.

The universal bar and escapement mechanism comprises some dozen pieces (instead of but 4 as in the No. 2) which lightens the "touch" on the keys slightly, thereby enabling continued rapid operation with less fatigue than is the case with other typewriters.

The carriage and shift mechanisms are fitted with ball bearings, thereby insuring easy running of these parts.

There are 3 additional types making 84 in all.

The means for writing on ruled lines is the most efficient and perfect ever applied to any writing machine, consisting of means for disengaging the line-space ratchet-wheel and applying a brake to the platen mechanism at the same time, besides the advantage that the mechanism may be re-engaged at any portion of the circumference of the platen, thereby preventing effectively the indentations in platen at stated distances (as usual in all typewriters heretofore made) and increasing the life thereof many times.

The margin gages, including bell-trip, also scale attachments, feed rollers, carriage release, etc., etc., have been more highly developed to satisfy the most critical demand.

And last, but not least, it has the handsomest appearance of any typewriter made, both in symmetrical lines, size and finish.

It has the universal key-board of 28 keys, and writes altogether 84 characters.

It takes in paper 10 inches wide, and writes a line 8 inches.

It measures 8 1-2 inches high, 12 inches from front to back, 11 inches wide in the base portion, and 14 inches in the carriage.

It weighs 23 lbs. unpacked, 40 lbs. packed for shipment, with oak case.

PRICE-LIST OF THE SUN NO. 3.

No. 3 SUN Typewriter complete, ready for use, including handsome oak veneer case, bottle of ink, bottle of oil, one extra ink roller and directions for use and care, packed in shipping box \$75.00

With handsome leather travelling case (lock and key) in place of oak veneer case 85.00

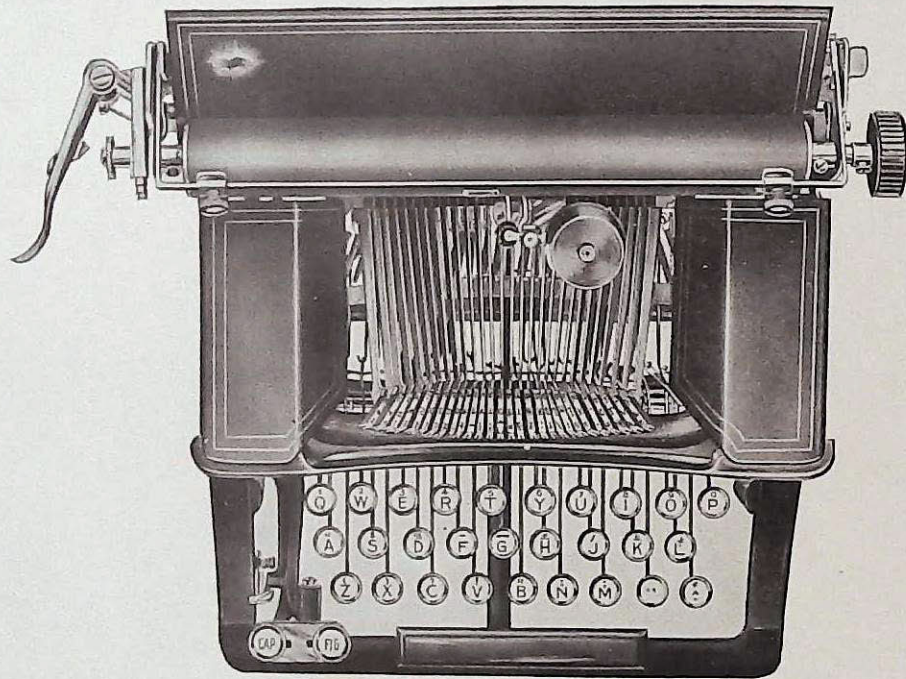
Rubber cover 1.00

Small ink roller25

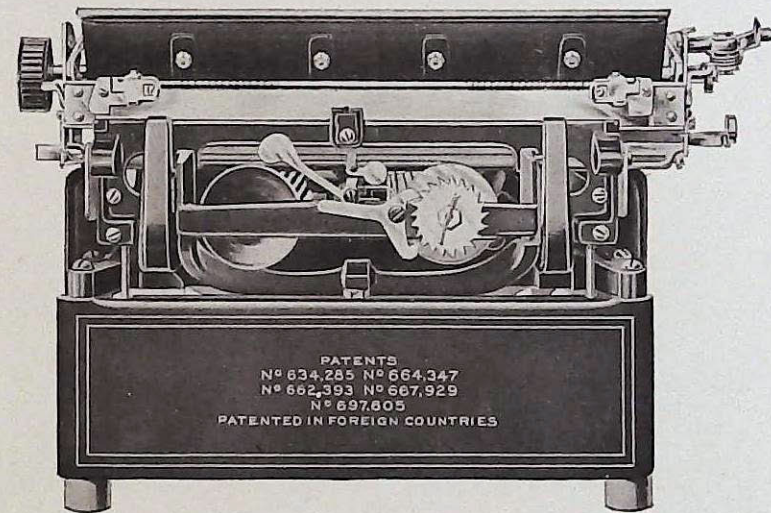
Large supply ink roller25

Ink rollers (either style) by the dozen 2.50

Ink, per bottle30



TOP VIEW No. 3 MODEL



REAR VIEW No. 3 MODEL

chine is used. The public have been "educated" to believe that a dirty, smoochy print, (which is the best that can be had with a ribbon machine) and uneven alignment, are necessary in a typewritten letter, and it is to be wondered at, that high-class business houses should send out their letters having an untidy appearance which they would not tolerate one instant in the cheapest circular. SUN typewriters obviate all this. The direct printing, as previously explained, assures *clean, clear, beautiful work* always, and the type-bar arrangement secures good alignment, because the type-bar, at the moment the impression is made on the paper, enters a guide slot making the bar absolutely rigid when the impression is made, and thus preserving good alignment for all time, instead of depending on the tightness at the pivot point as in old style machines.

Moreover, the paper-carriage of the SUN, while light, to insure easy-running, is so constructed as to present perfect solidity and rigidity as against the blow of the type-bar, so that there is no vibration at the time of printing. It is to be remarked that rigidity of the carriage has almost as much to do with good alignment as the adjustment of the type-bars themselves.

"Imitation is the sincerest flattery," and the fact that new machines with "visible writing" and other similarities are springing up like mushrooms,, is evidence that SUN typewriters embody the desired principles; but we warn prospective purchasers of the danger in buying untested machines made by inexperienced concerns, and strongly urge personal investigation of merits, without relying upon irresponsible statements of salesmen or others whose entire interest is to sell some particular make of machine.

THE SUN TYPEWRITER COMPANY

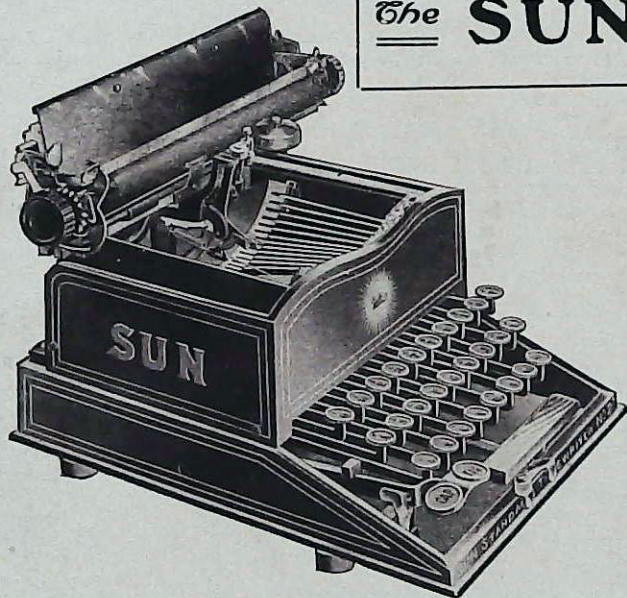
was organized in 1885, and was a pioneer in the infancy of the typewriter industry, as it is now a pioneer in the advanced state of the art. Our long experience, in itself a guarantee of merit, has taught us what is wanted, and enables us to make STANDARD machines, absolutely efficient, serviceable and lasting, with advantages and improvements not found in other machines and at unusually attractive prices. SUN typewriters are made of the finest and best materials throughout, all the operative parts being of the best steel, carefully tempered at wearing points. Their strength and simplicity of construction make them little liable to get out of order, and we guarantee every machine fully, and will replace free of charge any part that may prove defective. The length of time we have been in business is in itself a guarantee.

We court investigation of our SUN typewriters and comparison with other makes, and will gladly send either model on trial for ten days to convince you of the SUN superiority. All we ask, for the purpose of insuring good faith, is that you agree to pay express charges, and, of course, give us satisfactory references, or the amount on deposit, which will be returned if for any reason you return the machine.

We shall be glad to hear from you.

THE SUN TYPEWRITER COMPANY,

239 Broadway, New York City, U. S. A.



The **SUN** TYPEWRITER

No. 2

Price \$40.00



Manufactured by

—The Sun—
Typewriter Co.

Organized 1885

**239 BROADWAY
NEW YORK CITY**

THE SUN TYPEWRITER NO. 2

Is the only writing machine sold at a reasonable price, which will compare favorably with the most pretentious and highest-priced typewriter manufactured.

IT IS BUILT ON STANDARD PRINCIPLES throughout, and in many respects excels the so-called Standard machines on the market, because no other typewriter made contains all the following desirable features:

PERFECT WORK,

EXTREME SPEED,

VISIBLE WRITING,

HEAVY MANIFOLDING

and other more or less important characteristics.

The SUN No. 2 should not be confounded with other low-priced machines (which might more aptly be called "cheap" machines), as it is the only typewriter built on the type-bar principle and sold at a reasonable price. The type-bar, which is essential for efficiency, is expensive to manufacture, and until the advent of the SUN No. 2 it was not thought possible to embody it in a typewriter offered at the popular price of \$40.00

It is confidently offered to meet every demand of typewriter users, or any one needing a writing machine, whether novice or adept.

It has ever been our earnest aim to place upon the market a practical, thoroughly efficient, up-to-date typewriter at a moderate price, and that our efforts have met with most marked success is attested by many satisfied users.

The SUN No. 2 has been on the market for several years, and has long past the experimental stage, so that no risk is run in purchasing it, all parts of the mechanism having been fully tested in regular use, and it is confidently and fully guaranteed.

While the SUN No. 2 is slightly smaller than the so-called standard machines selling for \$100.00, it is made of the *very best* material throughout, and the workmanship is equal to that of the highest-priced machine. The low price at which it is offered is made possible by reason of the elimination of all complications in the mechanism, its smaller size and comparative lightness, and also *because it is sold on a smaller margin of profit* than any writing machine manufactured.

In addition to the main characteristics (referred to elsewhere) the SUN No. 2 is provided with many novel and convenient features, such as:

The paper feed; this is controlled by four feed rollers bearing against the platen, and composes a most reliable feed for a single sheet or any number of sheets. This paper feed can be instantly disengaged to straighten the paper by a convenient release-lever which releases all rollers.

Registering Guides that show the line of print as well as the impression point, to enable the reinsertion of paper, etc.

Convenient means for writing on ruled paper, or the filling in of blanks of any description.

Scale Attachments for setting the marginal mechanism and for tabulating purposes, etc.

Feed Rollers to guide the paper at the edges, and which can be adjusted to any width of sheet.

Adjustable Line Space Lever for regulating the distance between the lines.

Adjustable Bell Trip which is simple and effective.

Carriage Release which is convenient and positive.

Effective Shift Lock for writing all capitals or figures, etc., etc., etc.

It has the universal key-board of 27 keys, and writes altogether 81 characters.

It takes in paper 9 inches wide, and writes a line $7\frac{1}{2}$ inches.

It measures $8\frac{3}{4}$ inches high, 12 inches from front to back, 9 inches wide in the base portion and 12 inches in the carriage.

It weighs 14 lbs. unpacked, 24 lbs. packed for shipment.

PRICE-LIST OF THE SUN NO. 2.

No. 2 SUN Typewriter complete, ready for use, including bottle of oil, bottle of ink, one extra ink roller, a rubber cover and directions for use and care, packed securely for shipment in a pine shipping box..... \$40.00

Metal carrying case, with wood base-board..... 2.50

Oak veneer cover and base-board..... 4.00

Handsome leather travelling case with lock and key..... 10.00

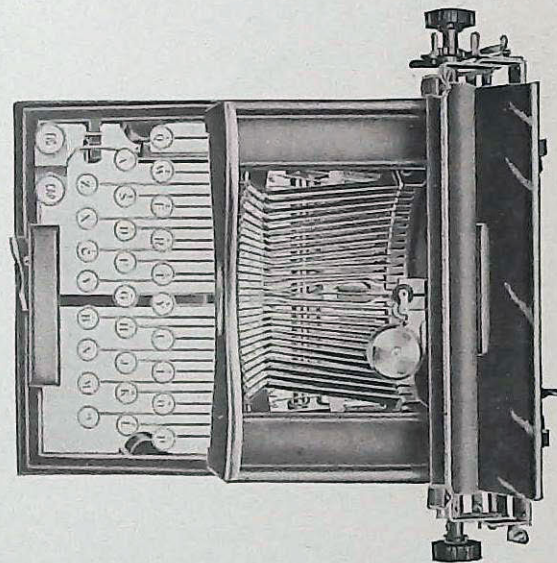
Rubber cover 1.00

Small ink-roller25

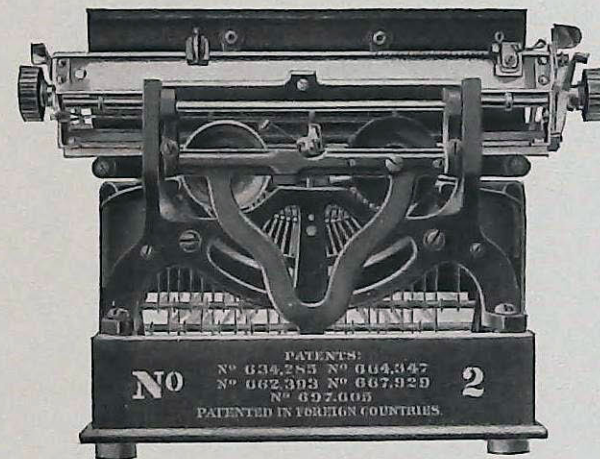
Large supply ink-roller25

Ink rollers, (either style) by the dozen)..... 2.50

Ink, per bottle30



TOP VIEW No. 2 MODEL



REAR VIEW No. 2 MODEL

SUN TYPEWRITERS of both models embody, in the most modern and perfect form, the following essential qualities:

PRINCIPLE.

TYPEWRITERS have now been on the market about 25 years, and the experience of all those years has demonstrated that the first requisite of a standard, practical writing machine is the type-bar, or type-lever principle.

There are two classes of writing-machines: the type-bar and the type-wheel.

The type-bar machine consists of a series of levers, usually called type-bars, fulcrumed at one end and having type secured at their free ends. The fulcrums are so disposed that when at rest the bars lay side by side, but when operated they all strike the same spot, usually called the impression point. Each type-bar is connected to a key so that when any key is depressed the corresponding bar is caused to swing and make the impression in the one motion.

The type-wheel machine consists of a wheel or segment thereof containing all the letters of the alphabet, and it is so connected to the several keys on the key-board that the depression of each key turns this wheel to a greater or less extent, and when the turning process has ceased, the impression on the paper is performed in various ways.

Consider the difference between a small type-bar swinging to strike the paper, and a wheel containing some eighty letters, which must be turned, then stopped and then pressure applied to make an impression.

The type-bars are all uniform and light in their action, while the type-wheel has to turn different distances, and the key which turns it half-way around cannot have the same touch as the one that only turns it slightly.

In rapid operation the type-bars retain their light and uniform action, no matter how great

the rapidity, while the type-wheel becomes harder to control as it gains momentum, and requires increased pressure as the speed increases.

The type-bar insures a light, elastic and uniform touch on the keys, ease and speed of operation without changing this touch, and, in addition, gives satisfactory manifolding qualities.

The type-wheel principle does not include these essential features, and for this reason there are more than one hundred type-bar machines in use to every type-wheel machine.

All "Standard" typewriters are type-bar machines, but heretofore they have only been sold at the price of \$100.00. Although all SUN typewriters contain this construction they have an advantage in price.

VISIBLE WRITING.

Modern requirements demand that the writing shall be in plain view of the operator, instead of under the carriage, thereby saving from 10% to 25% in time ordinarily consumed in raising the carriage to bring the writing in sight. All the earlier standard typewriters are "blind writers," and many of the so-called "Visible Writers" only show a few words, and others only a line or two, which disappear from view; and still others show the writing surrounded by mechanism, requiring "peeping," or craning of the neck.

The type-bars of all SUN typewriters strike on the front of the platen directly in front of the operator, and each letter as printed is in full view, and never goes out of sight.

There is no mechanism surrounding the platen, and each line as well as the entire printed page could not be placed at a more convenient position for reading or correcting during the entire operation.

The convenience, saving of time and other self-evident advantages of visible writing are

so numerous that it is only a matter of time when blind writing machines (those in which a carriage or platen has to be lifted to see the writing) will be superseded by visible writing machines.

As stated, however, there are several styles of visible writing machines, but unless the writing is in full and direct view of the operator, from first word to last, so that the entire printed page can be seen at a glance, without moving the carriage, turning the platen, or craning the neck, they may be as bad or worse than "blind" typewriters.

NO TYPEWRITER CAN SHOW THE
WRITING MORE TRULY VISIBLE
THAN DOES THE SUN.

SPEED.

The type-bar principle is one requisite for rapidity, providing the touch is light and uniform.

The construction of SUN typewriters is such that the weight of the type-bars at their normal position of rest is counterbalanced by means of springs, and in consequence of which the initial start of the parts requires but an exceedingly light pressure—this being one of our exclusive patents.

Furthermore, every key has a uniform depression and equal leverage.

The next requisite—for rapidity is that the automatic part of the machine should respond—namely, the spacing of the carriage, and in that respect our exclusive patents show again a marked advantage in favor of the SUN construction.

This is accomplished in other machines by a heavy universal-bar which reaches across the key-board, and connects by intermediate mechanism with the escapement dogs. This train of mechanism is set in motion by each key when

it is depressed, and the carriage spaces when the key returns,—sometimes when half-way back to normal position, and then again when it has almost entirely returned.

The construction of both models of SUN typewriters includes an entirely new universal-bar, which the type-bars strike just before printing, and the carriage spaces as soon as the type comes away from the paper. This construction of universal-bar causes a very rapid return of the type-bar after printing and acts upon the carriage escapement mechanism with a directness and speed hitherto unknown.

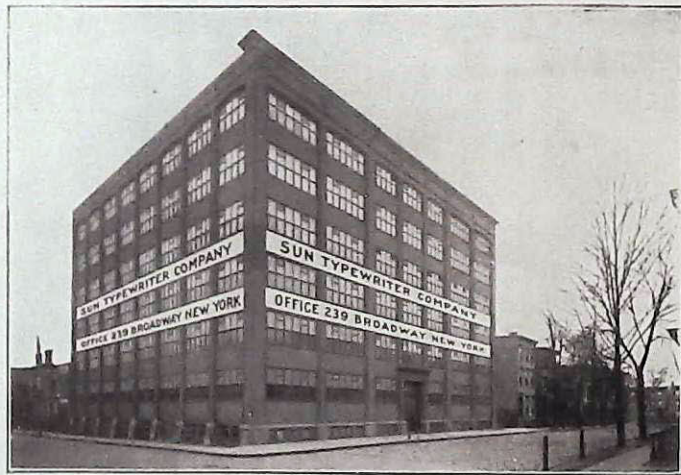
The escapement mechanism is so rapid and positive that a "Reverse escapement" or any other speed attachment necessary for rapid operators on other machines, is entirely unnecessary on the SUN.

No carriage feed mechanism could be more speedy or more ideal, and together with the pleasantly light and elastic touch of the keys, no typewriter can be operated with greater rapidity.

PERFECT INKING, WITHOUT A RIBBON.

The inking mechanism of the SUN typewriters is entirely new, and is one of our distinctive features. It consists of a small ink roller which is struck by the type just before printing, and is caused to swing against a supply roller which supplies ink to the small roller.

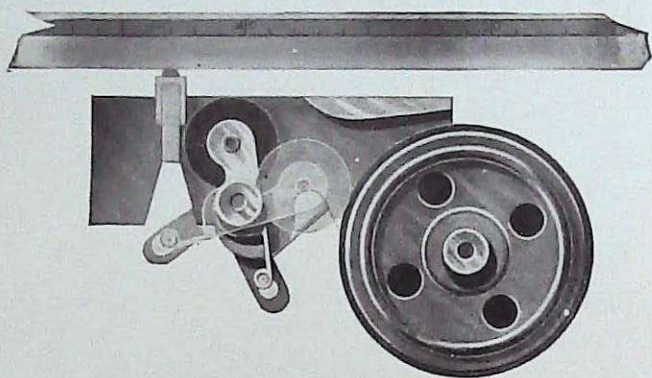
The accompanying cut (being a top view looking directly down) shows this inking mechanism: the large roller being the supply roller which merely rotates, while the small roller is caused to swing when struck by the type (as shown), and the impact is sufficient to make it swing against the supply roller from which it takes as much ink as the type take from it. The normal position of these parts at rest is shown in other views.



FACTORY, NEWARK, N. J.



THE PRODUCT



The supply roller contains more ink than any ink ribbon, and can be replenished from the bottle accompanying each machine.

Neither roller has to be handled, and the cost of additional rollers and ink is trifling.

The type are, by this mechanism, positively inked before each impression, and print directly on the paper, producing clear cut and beautiful work never before possible in a writing machine. By our exclusive, patented mechanism, all possible objections to "ink pads" (such as are contained in some machines) are overcome, because the smaller ink roller, coming in contact at *each impression* with the supply roller, is kept *uniformly inked*.

The SUN inking mechanism is so efficient and satisfactory that it is not too much to claim that, had it been invented and applied to the earlier machines, ink-ribbons would not have been used. Aside from the advantages stated, the SUN inking mechanism requires no attention or handling; there is no device to reverse or get out of order, as with a ribbon, and the work is beautiful and clear, approaching print.

HEAVY MANIFOLDING.

The type on the SUN are hardened steel.

To produce good manifold copies it is necessary for a type bar to give a direct blow, and to be of sufficient weight for the blow to impress through any number of sheets.

One reason why the SUN is the strongest manifolding machine is that the type bars of the SUN are slightly heavier than those of other high grade machines, and yet the touch is lighter, owing to the exclusive patent of spring tension (already referred to), which tends to poise the weight of the type bars so that the initial start requires but a very slight pressure. Another reason why the SUN is the best manifolder is that there is no ribbon interposed between the type and the paper. It is impossible to get a clean and clear-cut impression through a ribbon because the threads and fibres of the ribbon material leave a blurred outline, and it is self-evident that if the original copy is not clear the subsequent manifold copies are bound to be worse.

The SUN is the only actual type bar machine that has an anti-ribbon inking mechanism, and although there are so-called pad machines which employ a system of double and triple jointed type levers, the mechanism, and in fact the entire machine, has been subordinated to the effort to make the type move from the inking pad to the paper, and no good manifolding can be done when the type bar is loose and disjointed, and the force of the blow has been lost in the different angular motions performed by such type bars.

GENERAL REMARKS.

One great trouble with all typewriters heretofore offered has been the uneven writing and poor alignment which develops from the start, and grows worse and worse as the ma-

chine is used. The public have been "educated" to believe that a dirty, smoochy print, (which is the best that can be had with a ribbon machine) and uneven alignment, are necessary in a typewritten letter, and it is to be wondered at, that high-class business houses should send out their letters having an untidy appearance which they would not tolerate one instant in the cheapest circular. SUN typewriters obviate all this. The direct printing, as previously explained, assures *clean, clear, beautiful work* always, and the type-bar arrangement secures good alignment, because the type-bar, at the moment the impression is made on the paper, enters a guide slot making the bar absolutely rigid when the impression is made, and thus preserving good alignment for all time, instead of depending on the tightness at the pivot point as in old style machines.

Moreover, the paper-carriage of the SUN, while light, to insure easy-running, is so constructed as to present perfect solidity and rigidity as against the blow of the type-bar, so that there is no vibration at the time of printing. It is to be remarked that rigidity of the carriage has almost as much to do with good alignment as the adjustment of the type-bars themselves.

"Imitation is the sincerest flattery," and the fact that new machines with "visible writing" and other similarities are springing up like mushrooms,, is evidence that SUN typewriters embody the desired principles; but we warn prospective purchasers of the danger in buying untested machines made by inexperienced concerns, and strongly urge personal investigation of merits; without relying upon irresponsible statements of salesmen or others whose entire interest is to sell some particular make of machine.

THE SUN TYPEWRITER COMPANY

was organized in 1885, and was a pioneer in the infancy of the typewriter industry, as it is now a pioneer in the advanced state of the art. Our long experience, in itself a guarantee of merit, has taught us what is wanted, and enables us, to make STANDARD machines, absolutely efficient, serviceable and lasting, with advantages and improvements not found in other machines and at unusually attractive prices. SUN typewriters are made of the finest and best materials throughout, all the operative parts being of the best steel, carefully tempered at wearing points. Their strength and simplicity of construction make them little liable to get out of order, and we guarantee every machine fully, and will replace free of charge any part that may prove defective. The length of time we have been in business is in itself a guarantee.

We court investigation of our SUN typewriters and comparison with other makes, and will gladly send either model on trial for ten days to convince you of the SUN superiority. All we ask, for the purpose of insuring good faith, is that you agree to pay express charges, and, of course, give us satisfactory references, or the amount on deposit, which will be returned if for any reason you return the machine.

We shall be glad to hear from you.

THE SUN TYPEWRITER COMPANY,

239 Broadway, New York City, U. S. A.