



The
Noiseless
Typewriter

DEC 23 1957

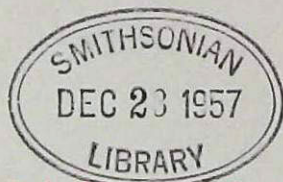
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“—Silence like a Poultice
comes to heal the blows
of Sound”

The Opinion of an eminent Mechanical Authority

"A Noiseless Typewriter Needed.

A noiseless typewriter is something devoutly to be hoped for. The clatter of the average machine ought to have been a fruitful stimulus to inventors long ago, but typewriter ingenuities seem to have followed other lines than that of producing noiseless working, so that the production is still an open one. Not only is the constant din of the machine nerve straining to others than the operator, but from an engineering standpoint, it means wear and tear of mechanism and misspent energy—imperfect design and construction—which thoughtful consideration ought to overcome to a measurable degree."



From Cassier's Magazine for October, 1904.

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The Noiseless Typewriter

represents the only real forward step in typewriter construction since visible writing. It was not originated in a mere attempt at novelty, but is the result of long experience, careful experiment, and an intimate knowledge of an imperative need which has long existed for a noiseless typewriter which would measure up to present day standards of operation and results. Until now no successful solution of the problem has been presented. The business public have accepted the clatter and din of writing machines as necessary evils in connection with a great labor and time saving device, patiently hopeful that some day these distracting elements would be eliminated.

An Object of Universal Experiment

Toward the reduction of noise, numerous devices such as clamps, special pads, rubber feet, patent platens, etc., have been contributed by manufacturers outside of the typewriter business, who saw from their contact with business people the great need of relief. Typewriter manufacturers, too, stirred by the alarming increase in noise occasioned by the growth of a firm's equipment, have for years been experimenting with a view to ameliorating this condition. But progress

in that direction was of necessity limited because the fundamental cause of noise, the sharp hammer blow of the type on the platen, was deemed essential. Our inventors and engineers, however, believed that a solution was possible through a structurally different machine, through printing by pressure rather than by a blow, through the production of a machine which would be

Constitutionally Noiseless

That result has been attained in the Noiseless typewriter.

In presenting this machine to your attention we first desire to emphasize one important point; that its noiseless operation has been obtained without sacrificing, even in the slightest degree, those features of efficiency, facility, or durability which characterize the recognized typewriter standards of to-day.

In fact, not only have existing demands been faithfully met, but in the development of this machine new standards have been established, permitting a perfection and simplicity of manufacture so far in advance of present day construction as to place the Noiseless typewriter in a class by itself—

The Typewriter Plus

Years of patient study and experiment by inventors of long typewriter experience; devel-

The Noiseless Typewriter



The Typewriter Plus

Price \$125.00

opment by the ablest typewriter engineers in the business, and a thorough knowledge of what **not** to do, as well as what to do, have enabled us to contribute to the business world the most important mechanical achievement in the typewriter art.

In the construction of this remarkable machine the principles ordinarily employed proved impracticable, for the reason that all other standard machines work on the principle of the hammer blow. No noise, therefore, could be eliminated without retarding the blow, thereby sacrificing speed and quality of work.

Inventive genius, however, combined with rare engineering skill, solved the problem by conceiving and applying to typewriter making, radically novel principles of construction. As the result, therefore, the Noiseless typewriter possesses many points of superiority never before conceived or thought possible with other types of construction: features which are

Exclusive Noiseless Advantages

The first feature considered in the development of the Noiseless typewriter was naturally the type actions, and in order to secure a noiseless performance in those parts we have effected

the printing result by *pressure* as opposed to the destructive hammer blow on the paper.

Perfect and Permanent Alignment

Perfect and permanent alignment is controlled by locking the bars top, bottom, and both sides while printing. In addition the type are *riveted* on the bar, eliminating any possibility of the type blocks working loose or getting out of alignment, as is the case where type are set in sockets or soldered in position. By reason of its construction, the Noiseless typewriter is the only type bar machine capable of an absolutely permanent alignment.

Operation

The methods of operation are uniformly standard.

The Keyboard

The keyboard is the universal arrangement equipped to write 84 characters.

Speed

In speed it is the equal of any machine now manufactured; in fact, the Noiseless escapement, the movement of every part, the action of the carriage, are all timed and adjusted with such precision that a unity of action capable of the highest possible operating speed is assured.

Touch

The touch is the embodiment of ease, lightness and elasticity: the assemblage into one great unit of *all* those good qualities which now obtain but *singly* in one machine or another. The result is a soft, satiny feeling, rendering operation a pleasure, and, at the same time, removing from typewriting that fatigue which invariably follows a long day's "grind."

Visible Writing

The writing is, of course, visible, being in full view of the operator at all times.

Escapement

In the escapement mechanism, speed, accuracy and dependability, together with a noiseless action, have been admirably combined, producing a perfectly timed movement under all conditions.

Carriage

In the construction of the Noiseless carriage a very superior mechanical result has been secured—combining extreme rigidity and strength, with minimum weight and delicacy of movement. The carriage is mounted on rails of special drawn steel, hardened and accurately

ground, and runs on ball bearings which are mechanically protected against creeping.

No Platen Replacements

In the Noiseless typewriter no platen replacements are necessary, for the reason that, while the rubber roller is present, it is simply the major roll of our feeding mechanism and does not receive any printing blow or pressure, hence, cannot become chipped or indented. The printing surface on the Noiseless typewriter is a light, indestructible steel strip extending across the carriage and resting against the cylinder. This strip offers a perfectly flat printing face, permitting the use of absolutely flat faced type, and ensures a clearness and evenness of result impossible with other machines. The importance of this improvement cannot be too strongly emphasized as it establishes the highest possible degree of refinement and eliminates one of the most serious elements which work against perfect typewriting.

Uniformly Perfect Impression

Uniform pressure of any degree is secured through the center tie construction, the degree of pressure being controlled by a graduated dial placed on the front of the machine. In conjunction with this mechanism, all type bar actions

are controlled by individual adjustments so that each character automatically gives a uniformly perfect impression, regardless of the force exerted on the keyboard. The value of this automatic control becomes immediately apparent when you compare the beautiful clean cut work of the Noiseless with the writing of any other typewriter.

Manifolding

Increased efficiency has also been secured in manifolding, the most noticeable improvement being absolute uniformity and clearness of impression with practically no variation in color intensity between the first and last copy.

The usual draw backs attending heavy manifolding; perforation of the paper, imperfect alignment, cutting out of the ribbon, increased effort on the part of the operator, and a consequent injurious effect on the wear of the machine, are not present in the Noiseless typewriter. There are no special adjustments, no change of platen, no extra effort: you simply set the indicator to the desired number of carbons and operate as for a single copy.

Paper Feed

In accuracy and refinement the paper feeding mechanism on the Noiseless typewriter

far exceeds anything yet used in typewriting machines. Labels, narrow sheets, library and file cards, envelopes, etc., are firmly held in position without extra attachments and writing is accomplished at the extreme top, bottom, or side edges, without blurring or displacement.

Durability

The development of the Noiseless typewriter necessarily involved the perfecting of mechanisms clearly of a higher standard than those ordinarily employed. The result is a vastly improved construction, offering far greater durability than has previously been attained. Only the best of materials enter into its construction. The various bearings employed throughout the machine are of the highest grade and type for their particular requirements. Ball bearings are used wherever necessary, and the bearings of all working parts are so treated by hardening, grinding, or lapping as to give the best bearing surfaces known in mechanics.

Guaranteed for Five Years

Our faith in the excellence of our product is based upon actual tests of long duration, the results of which warrant our guaranteeing the

Noiseless typewriter against all defects of material or workmanship for a period of five years from date of sale. This is the longest guarantee that has ever been openly placed on any writing machine.

Dust Proof Construction

The Noiseless typewriter is entirely enclosed in a dust proof construction, the only parts remaining exposed being the keyboard and the carriage exterior.

The type bar actions, especially, should be protected against dust; yet in nearly all visible writers the type bar pivots are placed directly under the printing point, a position wherein it is impossible to avoid the collection of dust and grit from erasings, and the consequent rapid destruction of those vital parts of the machine. In the Noiseless typewriter the type bar bearings are entirely removed from the printing point, being placed in the front of the machine and thoroughly protected against dust.

Will Not Become Noisy

Competitors, eager for discouraging argument, have endeavored to create the impression that the Noiseless typewriter will become noisy

after being used for sometime. In the development of the Noiseless typewriter this feature was very carefully investigated, all moving parts being subjected to exhaustive tests *under power*, which in duration and severity were equivalent to several years hard use. These tests proved conclusively that no appreciable wear takes place in those parts.

As a matter of fact, all bearing points and connections are hardened by the most approved methods, ground and burnished to a degree of accuracy which positively precludes the possibility of sufficient wear to produce looseness, and ensures the preservation of the Noiseless quality. This we positively guarantee.

The Most Economical Typewriter

The Noiseless typewriter is essentially an economical typewriter, in that its cost of maintenance, as protected by our long guarantee, amounts to practically nothing.

Further, the ribbon expense is but one sixth that of other machines, for the reason that the type do not cut the ribbon fabric.

There are no platen replacements, and in this alone quite an item of expense is eliminated.

It is economical from the operator's stand-

point; saving time, minimizing nerve strain, and making possible a greater output with less exertion.

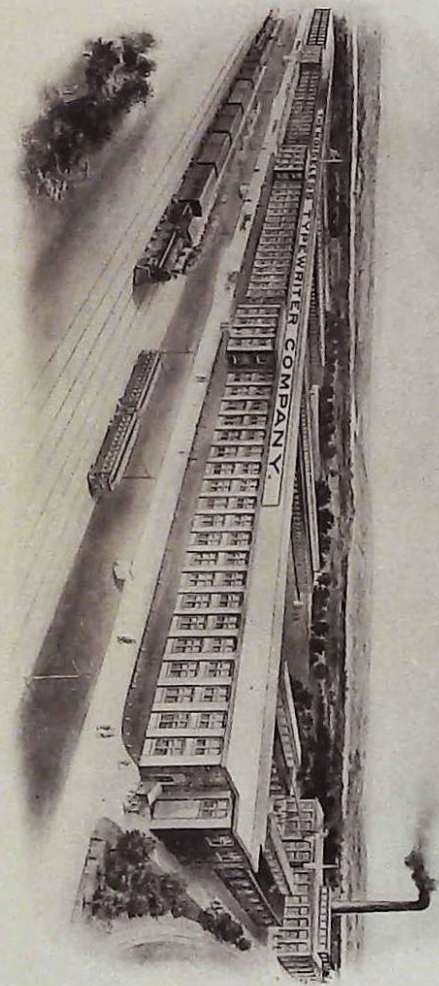
It is economical from the standpoint of the buyer, because the absence of noise permits undisturbed thought and telephone conversation without stopping the machine, thereby making unnecessary the expense of special rooms for operators.

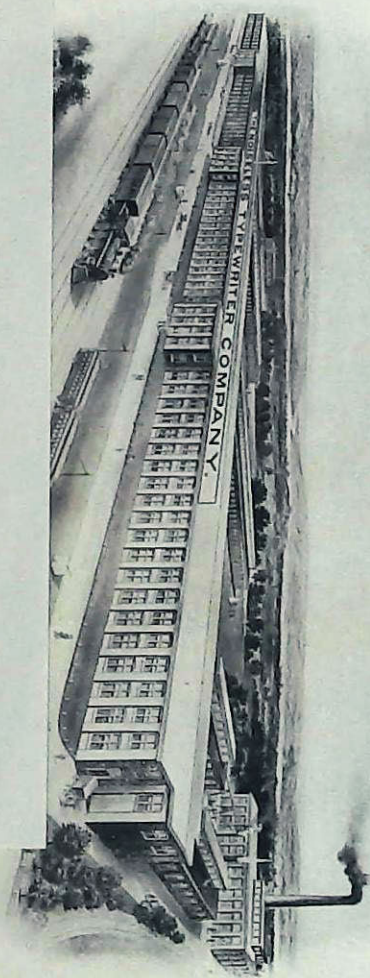
The Typewriter Plus

Our claims are not theories. Every statement is a known quantity. Every feature of construction, every process of manufacture, has been developed, tested and approved under the direction of the strongest corps of engineers that has ever been employed in the development and making of a typewriter. Every convenience offered in existing machines is present in the Noiseless; further, the quality of work has been refined to the highest possible point; durability of a vastly greater degree has been secured—*plus* a noiseless performance.

The Noiseless typewriter saves time, nerves and money. It is the most perfect typewriter that the best mechanical minds and facilities of this age can produce.

Factory of The Noiseless Typewriter Co.
Middletown, Conn.
Main Offices: 320 Broadway, New York





Noiseless Typewriter Sales Company

NEW ENGLAND AGENTS

SUITE 301-304

RICH BUILDING

220 DEVONSHIRE STREET

BOSTON,

MASSACHUSETTS

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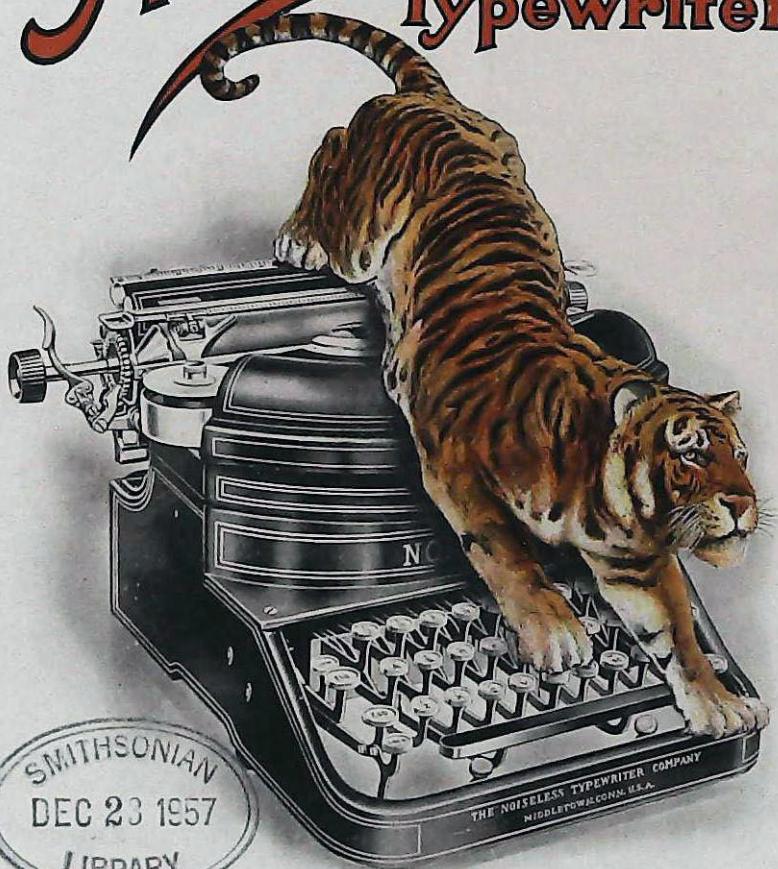
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MIDDLETOWN, CONN. U.S.A.

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