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HARTFORD, CONN.
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MERROW

SYSTEM

OF

CROCHETING

MACHINERY

—AND—

METHODS.

THE
MERROW MACHINE CO.
HARTFORD, CONN.
—U.S.A.

ILLUSTRATED CATALOGUE
OF THE
MERROW
HIGH SPEED MACHINES

Merrow System of Crocheting Machinery and
Methods for Finishing the Edges
of Fabrics.

THE MERROW MACHINE CO.,
Hartford, Conn., U. S. A.

Established 1838. Incorporated 1894.

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Wheeler & Wilson M'fg Co.
HEAD OFFICE,
247 YONGE ST.,
TORONTO, ONT.

ONTARIO. MANITOBA. N. W. T.

Wheeler & Wilson M'fg Co.

HEAD OFFICE,
247 YONGE ST.,
TORONTO, ONT.

THE
MERROW SYSTEM
OF
CROCHETING MACHINERY AND METHODS.

THE attention of all manufacturers, wholesale and retail dealers, and consumers of any variety of textile fabric requiring a finished edge, is invited to the beauty, perfection, style, and durability of the finishes produced by the

MERROW SYSTEM OF MACHINERY AND METHODS,

Patented in the United States, Canada, England, France, Belgium, Germany, and Switzerland.

So far as we know and believe, we control every patent in our line, and we have a large number of patent applications now pending, covering new improvements intimately related to this branch of industry.

We have done more original work in this line, and have offered to the public more improvements in this branch, than all of the rest of the world combined. To accomplish

THE CASE, LOCKWOOD & BRAINARD CO.,
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so much we have devoted years of thought, and systematic, tedious invention and experiment, besides a large outlay of capital.

With these facts in view it will readily be seen that we shall defend our rights in these inventions with the same persistence, and we caution the public not to use any of our inventions without our expressed permission or license.

We may incidentally state that we do not comprehend how any one can expect to gain any advantage by the use of any infringing machines, when fully informed of the perfection, high speed and durability of our machines and the admirable finishes which they produce, adapted to every class of fabrics. Although we are so broadly covered by patents, we always feel it a duty and a pleasure to offer the best and latest improvements.

The employment of our improvements has enabled textile manufacturers to produce articles of a superior finish at reduced cost. The facility with which these improved finishes are made has rendered our machines popular and their use general.

All of our machines are made at our works and under our direct supervision, and nothing is left undone to render them the most durable and satisfactory. Every machine is thoroughly tested before shipment, and is guaranteed to equal or surpass our recommendations.

Since our catalogue of 1889 was issued, we have frequently placed a new variety of machine or finish upon the market. Our New Model High Speed Machines, to which this catalogue is devoted, are designed upon the best mechanical principles and in artistic form and finish, and are constructed with precision, the least detail having had careful and concentrated attention.

All of the small parts are made from fine steel, hardened and ground to fit, and are strictly interchangeable; and the

machines are adapted to run continuously at marvelous speeds, limited practically only by the dexterity of the operator in handling the fabrics or garments.

Our machines are so designed and arranged, and include such a variety that almost any desired quality or effect can be produced; be it elasticity, firmness, ornament, invisibility, minimum expenditure of material in edge covering, profusion of edge finish, plain or fancy, including two or more colors, or almost any graduation between such extremes. Although originally our line of machinery was especially adapted to use in finishing knit fabrics, now several of the machines in our system are designed expressly for other purposes.

Some of our machines are built for the production of crocheted fabric, and are the only machines ever offered to the public for such a purpose. Some of our machines are made for finishing horse blankets, some for finishing bed blankets, and others for finishing the edges of quilts, comfortables, curtains, drapery, etc.

From time to time we shall add to our list, already extensive, such new varieties of machines and finishes as we shall have demonstrated by practical use to be valuable.

We are now building a great variety of Crochet Machines, including

Single Thread Plain Crochet Machines,

Double Thread Plain Crochet Machines,

Single Thread Horse Blanket Hemming Machines,

Double Thread Bed Blanket Crochet Machines,

Double Thread Welt Edge Crochet Machines,

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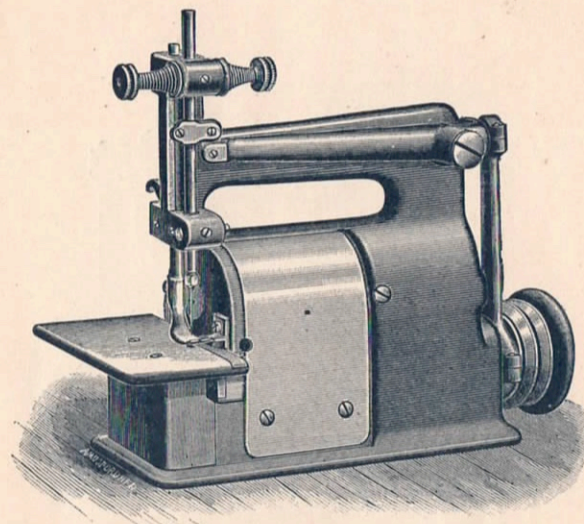
Single Thread Shell Stitch Machines,
 Double Thread Shell Stitch Machines,
 Single Thread Quilt Finishing Machines,
 Double Thread Quilt Finishing Machines,
 Double Thread Shell Stitch Machines, making very
 large shells,
 Combination Machines, making very deep Plain Stitch
 or very large Shell Finish.
 Double Thread Shell Stitch Fascinator Machines,
 Double Thread Shell Stitch Fascinator Finishing
 Machines.

Nearly all of these machines we usually have in stock or in a condition to forward at short notice. We are also often called upon to make modifications of these machines, adapting them to special purposes, surmounting apparent impossibilities. It is not possible for us to comprehensively enumerate all of the purposes for which our machines are now employed, and our machines are constantly entering new fields and are being developed and adapted for new uses.

The following pages contain illustrations and general descriptions of our standard new model machines.

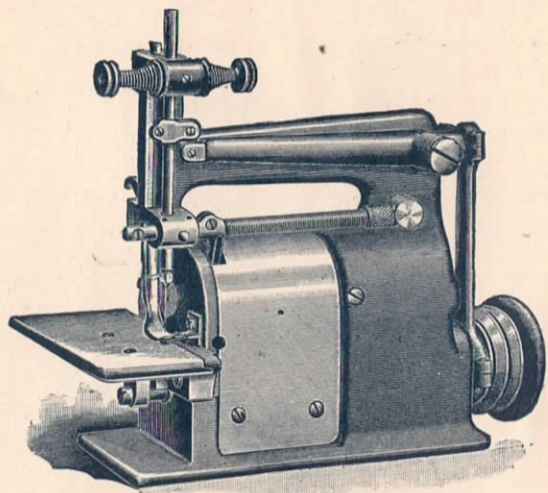
We shall be pleased to send samples and give further information and prices.

With each machine we send a printed book of instructions, which also contains illustrations and list of small parts, with prices for same.



The above engraving represents our No. 14 SINGLE THREAD PLAIN HIGH SPEED CROCHET MACHINE, which produces the plain single thread crochet finish, about one-fourth of an inch in depth, substantially like that often made by hand crocheting. This finish is fully as elastic as the most stretchy knit fabric, and is therefore valuable for a great number of purposes, such as the tops of men's socks, the bottoms of heavy ribbed shirts and Swiss ribbed underwear, and the bottoms of knit skirts.

Supplied with our adding attachment (see page 26), this machine is also used to produce several courses of plain crochet finish by building one course upon the edge of another to form a finish of considerable width upon the bottoms of skirts or other garments. The length of feed or distance between the stitches is adjustable, and the machine is adapted to operate at from twelve hundred to two thousand stitches per minute, according to conditions.



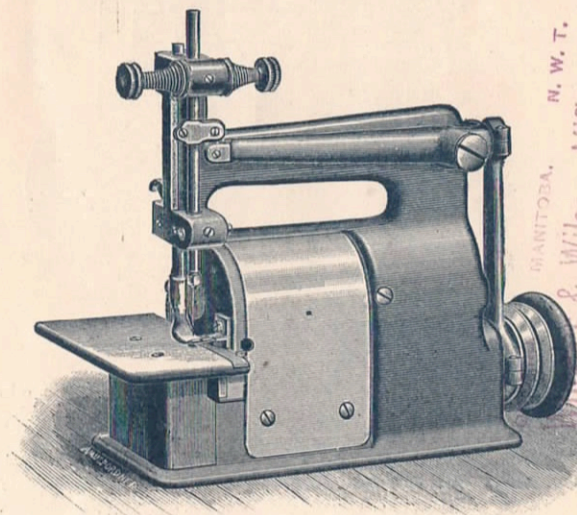
The above is a representation of our No. 15 DOUBLE THREAD PLAIN HIGH SPEED CROCHET MACHINE, which produces our double thread plain crochet finish to the depth of about one-fourth of an inch.

This finish may be made by this machine very elastic, or so tight as to bind the edge, and by suitably adjusting the machine any intermediate degree of elasticity of edge finish can be obtained. Two threads of different shades, colors, materials, or sizes can be employed, and a great range of effects can thus be produced.

The roughest cut edge can be perfectly covered and protected with an economical expenditure of material, as the supplemental thread is enchained along the edge of the fabric only. By simply dispensing with the supplemental thread, this machine will also produce the plain single thread finish the same as that made by our No. 14 machine.

The No. 15 machine is largely used in finishing the necks, arm sizes and sleeves of ladies' ribbed underwear and any similar goods of medium thickness.

An adding attachment (see page 26) is often used with this machine to produce the collarette finish by building one course upon the edge of another until the desired width of finish is attained. The length of feed or distance between the stitches is adjustable. This machine has the largest range of usefulness, perhaps, of any of our machines. It is adapted to operate at from twelve hundred to two thousand stitches per minute.

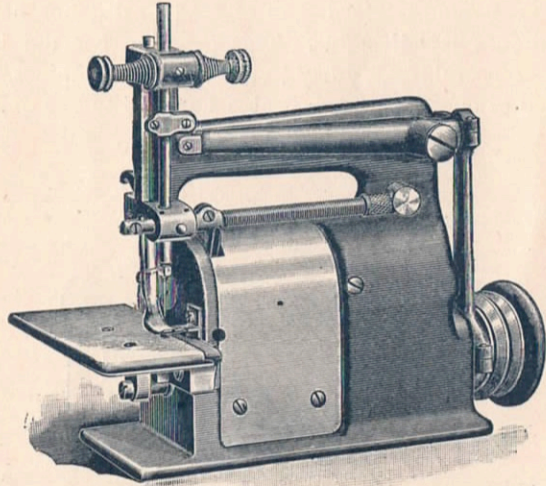


The No. 16 SINGLE THREAD PLAIN HIGH SPEED CROCHET MACHINE, represented by the above engraving, produces our single thread plain crochet finish to the depth of about three-eighths of an inch, and is used in finishing heavy goods such as lumbermen's socks, felted mittens and

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the bottoms of leggings, and any other goods where the depth of the finish made by our No. 14 Machine is insufficient for the purpose. The length of feed is adjustable.

This machine is adapted to operate at from twelve hundred to two thousand stitches per minute.

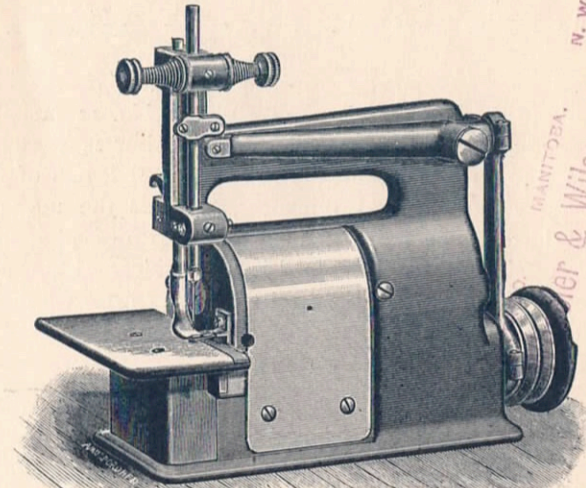


The above cut illustrates our No. 17 DOUBLE THREAD PLAIN HIGH SPEED CROCHET MACHINE, which in outward appearance is like the No. 15 Machine, and produces the same kind of finish excepting in depth, the finish produced by the No. 17 Machine being about three-eighths of an inch in depth. This machine is adapted to finish heavy fabrics such as fine wool bed blankets, the bottoms of leggings, and the edges of any kind of loose cut knit fabrics, and is particularly useful in finishing the edges of loose cut fabrics having many projecting ends of threads or yarn which must be thoroughly covered and hidden from sight, and the edges

of which must be well protected in order to be sightly and command the best prices.

This machine is remarkable for its edge covering qualities, and any required degree of elasticity or tightness of finish can be attained by simple adjustments. If desired, this machine can be made to produce the plain single thread crochet stitch, such as is made by our No. 16 Machine, by simply dispensing with the supplemental thread. The length of feed or distance between the stitches is adjustable.

This machine is adapted to operate at from one thousand to fifteen hundred stitches per minute.



The above cut represents our No. 18 HIGH SPEED HORSE BLANKET FINISHING MACHINE, which in outward appearance is nearly the same as our No. 14 and No. 16 Machines, but produces an entirely different variety of stitch or finish.

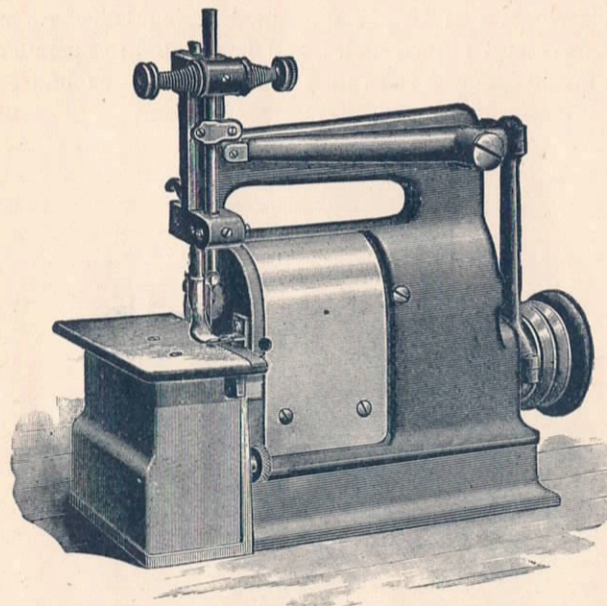
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This machine is designed expressly for finishing the edges of horse blankets and other heavy fabrics. This machine is usually provided with a steel hemmer for turning over or hemming the edge of the fabric, even of the thickest horse blankets. The finish is known as the Blanket Crochet Stitch, and is remarkably well suited to embellish and protect the edge of heavy fabric, either hemmed or flat, with the least possible expenditure of material. The length of feed is adjustable from three stitches to the inch to any desired greater number.

This machine is adapted to operate at from eight hundred to twelve hundred stitches per minute, which is as fast as an expert operator can properly handle the fabric.

Our No. 19 Machine is similar to our No. 14 Machine, and produces the same kind of finish, but is especially arranged to finish very thick fabric or several layers of fabric, aggregating unusual thickness, such as the necks of heavy shirts. The finish is about one-fourth of an inch in depth, of single thread, the feed is adjustable, and the speed of the machine is from twelve hundred to fifteen hundred stitches per minute.

Our No. 20 Machine is similar to our No. 15 machine, and produces the same kind of stitch, but is especially adapted to finish very thick work, such as the necks of heavy shirts, with our double thread plain finish, to the depth of about one-fourth of an inch, at a speed of from twelve hundred to fifteen hundred stitches per minute. The feed is adjustable.



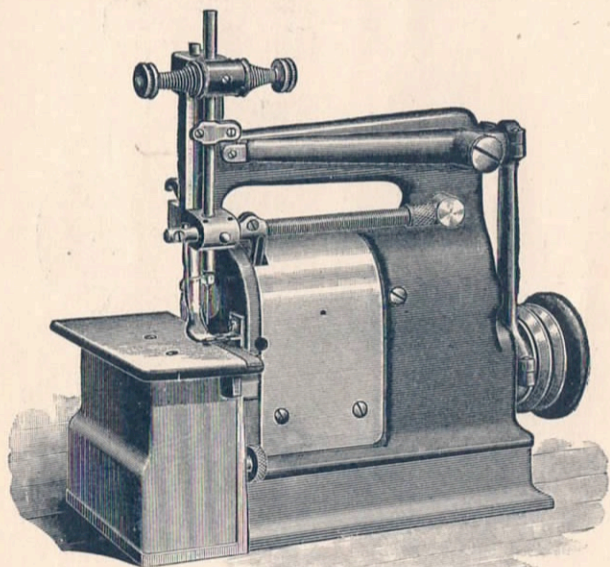
The above cut represents our No. 21 SINGLE THREAD HIGH SPEED SCALLOP OR SHELL STITCH MACHINE, which produces the single thread shell stitch edge to the depth of about one-half inch, and in appearance much like the shell stitch as produced by hand.

This machine is so designed that it can be adjusted to produce scallops or shells having four, six, or eight stitches each, and at any suitable distance apart.

When so ordered, at a slight extra expense, this machine will be provided with the necessary parts for adjusting it to produce the plain single thread crochet finish.

If so ordered, for a slight additional cost, the machine will be provided with an apparatus for feeding in a ribbon automatically, while the machine is forming the shell finish.

This machine is largely used in finishing ladies' ribbed underwear and fancy articles, and is adapted to operate at from fifteen hundred to two thousand stitches per minute.



The above engraving illustrates our No. 22 DOUBLE THREAD HIGH SPEED SCALLOP OR SHELL STITCH MACHINE, which produces our double thread scallop or shell stitch finish, to the depth of about half an inch. This machine is designed so that it can be easily adjusted to produce scallops or shells with four, six, or eight stitches each, and at any suitable distance apart.

This machine will also produce our single thread scallop or shell stitch finish, the same as is made by our No. 21 Machine, by simply removing the supplemental thread.

When so ordered, this machine will be provided with the necessary parts for adjusting the machine to produce our plain double thread crochet finish, and when so adjusted, the plain single thread finish can be produced by simply dispensing with the supplemental thread.

The shell stitch finish produced by this machine is the most beautiful ever made, the most substantial, and capable of exhibiting the greatest variety of effects.

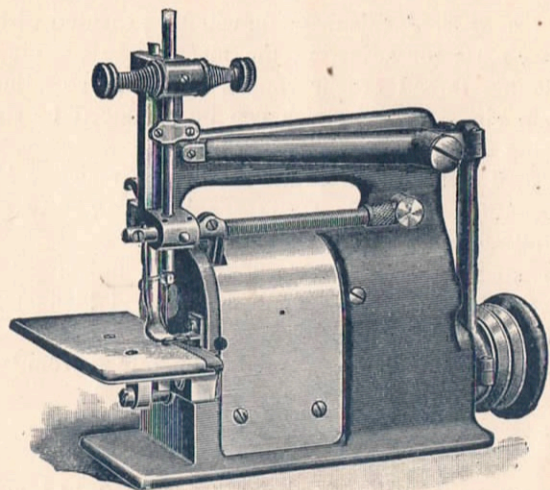
This Machine is admirably adapted to finishing ladies' underwear, leggings, mittens, gloves, fine bed blankets, and a great variety of fancy articles.

The No. 22 Machine is adapted to operate at from twelve hundred to two thousand stitches per minute.

Our No. 23 Machine is similar to our No. 14 Machine, but is especially adapted to form a very narrow single thread plain crochet finish, about three-sixteenths of an inch deep. The feed is adjustable, and the speed of this machine is as fast as the fastest.

Our No. 24 Machine is the same in appearance as our No. 15 Machine, and produces the same kind of stitch, viz., our double thread plain crochet stitch, but is especially adapted to form a very narrow finish, about three-sixteenths of an inch in depth. This machine will also produce the same finish as that made by the No. 23 Machine, by removing the supplemental thread. The length of feed is adjustable, and the speed is as high as the highest.

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The above engraving represents our No. 25 HIGH SPEED WELT EDGE CROCHET MACHINE, which is especially designed to produce our new Welt Edge finish of a depth of about one-eighth of an inch. The stitch or finish is entirely different from that produced by any other machine heretofore made.

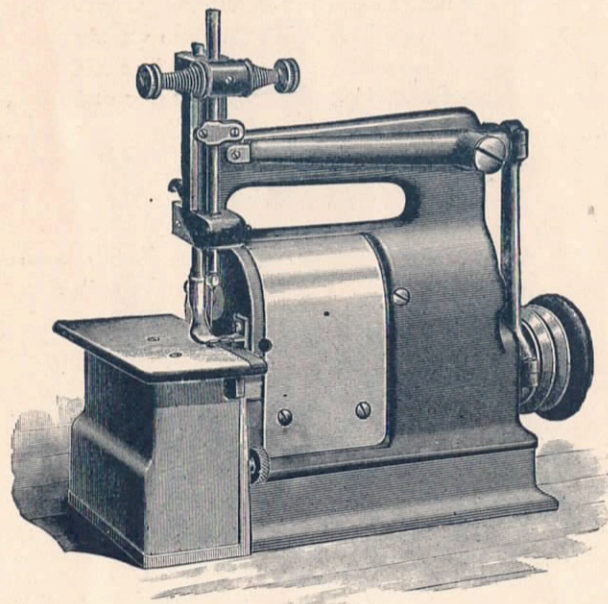
This finish is made from two threads, and may be made so closely to resemble the binding off or welt, as made by certain knitting machines, that the difference can be discerned with difficulty. The finish is fully as elastic as the most stretchy fabrics, and forms a beautiful edge.

When desired, threads of different material or color can be used to produce ornamental effects, or with threads of suitable size and of the same material as the basis or fabric finished, the edge finish can be made almost or quite invisible. This is one of the most beautiful and useful finishes ever introduced.

The No. 25 Machine has become very popular and useful in finishing ladies' fine ribbed underwear.

When so ordered, for a small extra charge, this machine will be provided with the necessary parts for adjusting it to produce the narrow single thread plain crochet finish, such as is made by the No. 23 Machine.

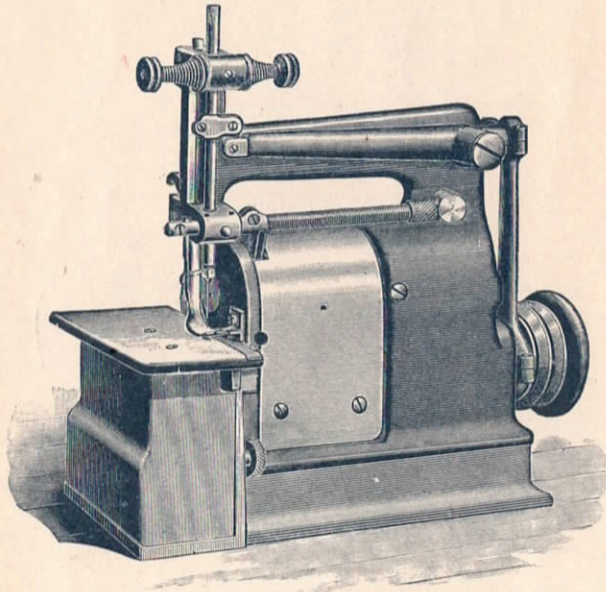
The length of feed is adjustable. This machine is adapted to run at from fifteen hundred to two thousand stitches per minute.



The above illustration represents our No. 26 HIGH SPEED SINGLE THREAD SCALLOP OR SHELL STITCH MACHINE, which is especially arranged for producing very small scallops, about one-quarter of an inch in depth, and at suitable

distances apart. This machine is provided with arrangements for adjusting to form small scallops or shells of three, four, six, or eight stitches each, with adjustable feeding apparatus. For a small extra charge this machine will be provided with the necessary parts to change or adjust it to produce our single thread plain crochet finish, about one-fourth of an inch in depth.

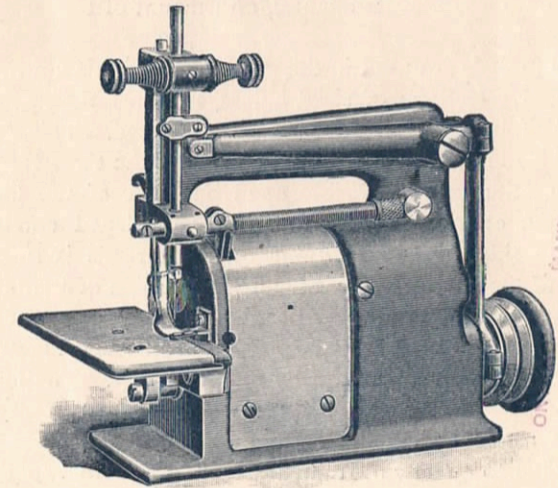
This machine is well suited to finish ladies' fine ribbed underwear, and is adapted to operate at from fifteen hundred to two thousand stitches per minute.



The above engraving represents our No. 27 HIGH SPEED DOUBLE THREAD SCALLOP OR SHELL STITCH MACHINE, which is especially designed to produce small scallops, varying from one-fourth to five-sixteenths of an inch in depth,

and at points suitably separated. This machine can be adjusted to form scallops or shells of three, four, six, or eight stitches each, and the length of feed or distance between the shells is adjustable. At a small extra charge, this machine will be provided with the necessary parts for use in adjusting it to produce our double thread plain crochet finish, to the depth of about one-fourth of an inch, and when so adjusted, this machine will also form our single thread plain crochet finish of similar depth, by simply dispensing with the supplemental thread. This machine is adapted to finish the necks, arm-sizes, sleeves, and fronts of ladies' ribbed underwear, and many other articles of similar thickness, but is not intended for use upon very thick fabrics.

The No. 27 Machine is adapted to operate at from twelve hundred to two thousand stitches per minute.



The above cut represents our No. 28 HIGH SPEED MACHINE, which in general appearance is much the same as our

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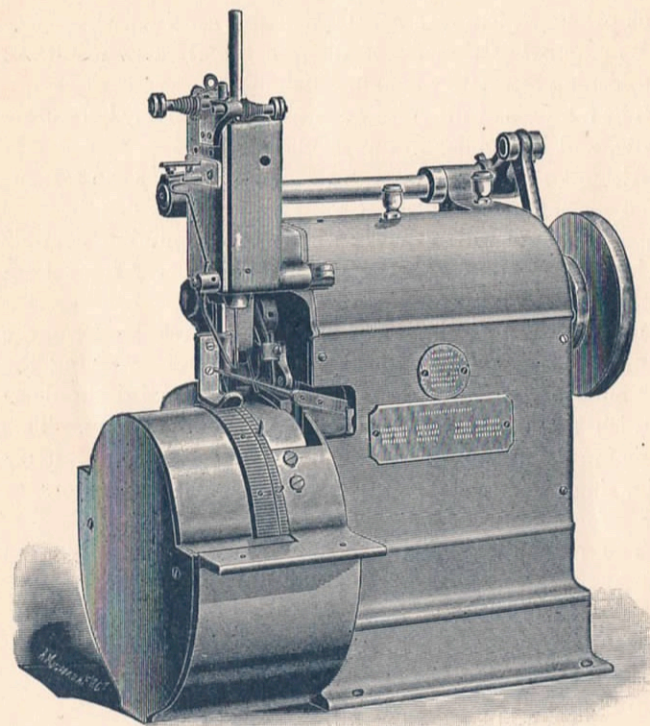
No. 25 Machine, but is especially designed to form our Welt Edge finish, to the depth of from three-sixteenths to one-quarter of an inch, and is particularly adapted to finish the necks and fronts of medium and heavy underwear, union suits, around the outside edge of pocket pieces to be afterwards sewed on to the garment, and the tops of hose, stockings, mittens, gloves, and edges of table spreads, fine blankets, and a great variety of articles.

This machine is well suited to finish garments, some parts of which are made from a single thickness of fabric, while other parts contain two or more thicknesses of medium weight. This machine will finish the edge of a single piece of very heavy fabric.

The finish produced is very ornamental and substantial, and well suited to use upon any kind of fabric, but particularly to use upon knitted fabric, on account of the elasticity of the finish.

Two threads are used in the production of this finish, and by proper selections of sizes, colors, and materials, a great variety of beautiful effects can be produced. This finish can be made in such a manner that one of the threads forming the stitch will be visible upon one side of the fabric, while the other thread is principally displayed upon the opposite side. When only one of the threads is silk, the whole of the silk may be visible upon one side of the fabric, making the greatest display possible for the amount of material used; or both threads may be of the same material, which will appear about equally on either side. The length of the feed is adjustable.

This machine is applicable to a great variety of uses, and is adapted to operate at from fifteen hundred to two thousand stitches per minute.



The above illustration represents our No. 29 DOUBLE THREAD SHELL STITCH FASCINATOR MACHINE which is especially designed to produce shell stitch fabric in various forms, but particularly intended for the production of shell stitch fasciators of any size, made entirely of shells from one inch and a quarter to one inch and a half deep.

This machine is provided with such extra parts as are necessary to form scallops or shells of six, seven, eight, ten or more stitches each.

The shells are formed from two threads, and the fabric thus produced is novel, substantial, and ornamental.

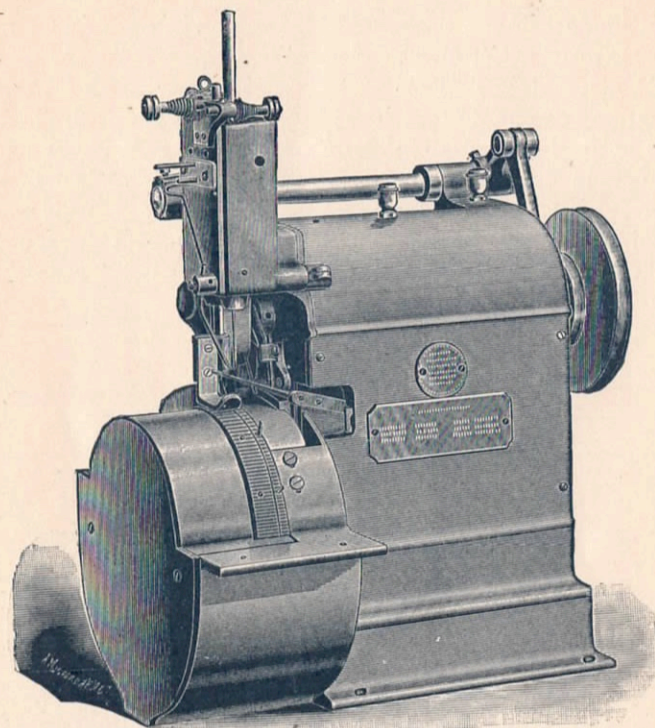
By employing threads of different colors, new results of astonishing attractiveness are obtained.

The fabric is of different construction from any heretofore made, and is peculiar to our machines.

Although in its plainest form this fabric has the appearance of hand-work, a great variety of effects can be produced, some of which depart widely from anything possible in hand crocheting, and the product is in every respect superior to the best production by hand.

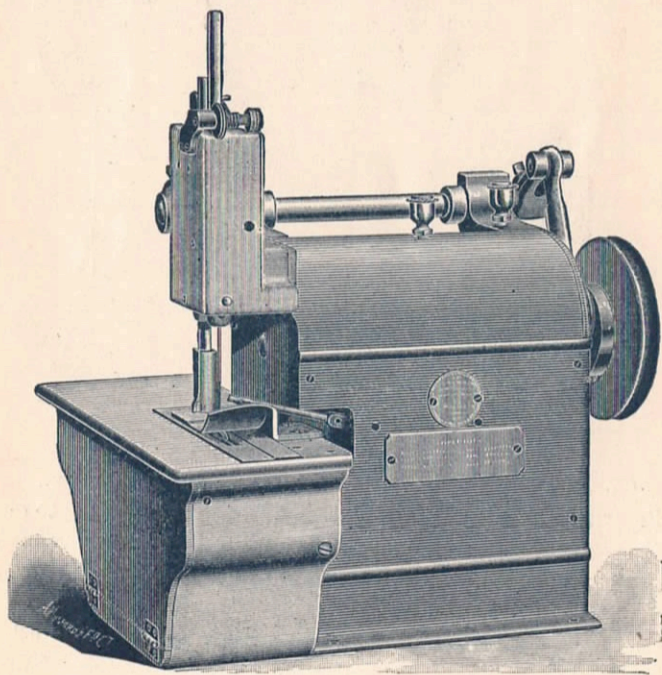
In making a fascinator of the usual triangular form, the garment is complete, with the exception of fastening the last ends of the threads, unless it is considered desirable to furnish the garment with some additional trimming. This machine is useful in producing a great variety of fancy trimming, which may be used to ornament fascinators or other fancy knit goods.

The No. 29 Machine is adapted to run as rapidly as an expert operator can properly attend to the operations.



Our No. 30 DOUBLE THREAD SHELL STITCH FASCINATOR FINISHING MACHINE is similar in outward appearance to our No. 29 Machine, and may be used for the same purpose, producing shells somewhat smaller in size, ranging from one inch to one inch and a quarter in depth; but it has been expressly arranged and adapted to use in forming a border of large double thread shells upon the edge of loose fancy knit fabric, either fashioned or cut, when it is desired to locate the shells at definite points or positions upon the fabric. In using the No. 30 Machine to finish cut fabrics, it is

desirable to have the extreme edge previously finished in some manner to protect the edge from raveling, and to hide the many projecting ends of threads or yarn, and for this purpose we refer to our No. 17 Machine, (see page 10), which is perfectly suited to perform this difficult task, impossible to attain by any other means. Shell stitch trimmings of a great variety can also be made upon this machine. This machine is provided with the necessary extra parts to produce shells of six, seven, eight, and ten or more stitches each.



The above engraving represents our SINGLE THREAD PLAIN QUILT FINISHING MACHINE No. 31, which is adapted to produce a finish to the depth of from three-quarters of

an inch to about one inch and a quarter upon the edge of thick, heavy articles, such as heavy curtains, drapery, and quilts or comfortables made from two thicknesses of fabric with an intervening layer of batting. The finish made by this machine is unlike anything heretofore made, but bears some resemblance to that made by our No. 18 Machine. Very heavy thread, yarn, or chenille may be used, and the results are satisfactory in the extreme. The length of the feed can be adjusted from about one-eighth of an inch up to one inch and a quarter or more.

This machine can also be made, when so ordered, to produce the regular single thread crochet stitch such as is made by our No. 14 Machine, only many times as deep into the fabric. When desired, at a small extra expense, this machine will be provided with a hemmer to turn over or hem the edge of such fabric as is capable of being so treated.

The No. 31 Machine is adapted to run as rapidly as an expert operator can properly conduct the fabric, and the amount and quality of the production are amazing.

Our No. 32 DOUBLE THREAD PLAIN QUILT MACHINE is similar in size and much resembles our No. 31 Machine, and when adjusted for the purpose, it is suitable to produce the same finishes, but as normally arranged and adjusted, it is particularly designed to form a heavy, deep, double thread plain finish, extending into the fabric from three-quarters of an inch to one inch and one-quarter. The feed is adjustable within the desired limits.

Heavy yarns, twine, chenille or almost any material may be employed. Threads of different sizes, colors or materials may be used, and the elasticity of the edge can be regulated from a tight binding edge to a loose very elastic finish.

This machine is adapted to operate as rapidly as an expert operator can properly conduct the fabric to the machine.

Our No. 33 Machine is a heavy combination machine, designed to produce a crocheted finish from three-quarters of an inch to an inch and one-half in depth, either plain single thread, plain double thread, plain blanket stitch, single thread shell or double thread shell. The length of the feeding is adjustable from one-quarter of an inch up to about two inches and three-quarters, and the stitches in the shells can be adjusted to almost any desired number.

This machine is made to order only.

Our No. 34 HIGH SPEED WELT EDGE MACHINE is substantially the same as our No. 28 machine in appearance and size, but is especially adapted to form a welt edge finish from three-eighths of an inch to half an inch deep with heavy threads, forming a very attractive finish, well suited to fabrics of considerable thickness and firmness, such as lap robes, heavy blankets, felt or fullered goods.

The length of the feed is adjustable and the machine is adapted to operate at from eight hundred to twelve hundred stitches per minute.

ADDING ATTACHMENTS.

An attachment to assist in producing the Collarette finish is supplied with Machines numbered 14, 15, 16, 17, 31 and 32 at a small extra charge.

The Collarette finish is produced by forming several courses of plain single thread finish, or preferably, plain double thread crochet finish, building one course upon the edge of another until a suitable width is reached.

By using our machines supplied with our adding attachments and properly adjusted, various valuable finishes and parts of fancy articles can be formed. A great variety of shapes of firm, plain crocheted fabric are obtained economically by these means.

RIBBON ATTACHMENTS.

Ribbon attachments of suitable design to introduce a narrow ribbon or tape into the finish automatically during the operation of finishing is supplied at a small expense, for use upon nearly all of our machines. For some uses these attachments are convenient and of value.

POWER TRANSMITTERS.

All of our machines are expressly designed for use in factories, and are intended to be driven by power at high speed. Many factories are already provided with suitable tables, and some kind of power transmitter or underdriver has been selected as suitable to operate sewing machines and similar machinery. Such power transmitters are usually arranged to take power from a shaft under the table, and the machine is started or stopped by an easy movement or pressure of the foot of the operator. Almost any such power transmitter which is adapted to use in operating ordinary sewing machines is suitable to use in operating our machines numbered 14 to 28, inclusive.

We can supply, at a low price, power transmitters suitable for this purpose, and usually have in stock at least two different sorts, each in its way especially suited to its location and purpose. In ordering power transmitters, the location, size and speed of driving shaft should be given.

Our Machines numbered 29, 30, 31, 32 and 33 are best operated through a power transmitter especially arranged and adapted to the purpose, and we supply such with each of the machines last mentioned.

TABLES.

Occasionally our machines are used in such places as power has not been introduced, or for temporary uses, and to provide for such cases, we supply a table, to order, similar to those used with family sewing machines and adapted to run our machines by foot power. All of our machines run easily at such speeds as family sewing machines are commonly run by foot power, but it is not feasible to run our machines by foot power at speeds approaching those recommended as most economical.

HOW TO ORDER.

In ordering machines it is for the mutual interests of all that we fully understand the requirements of those employing our Machines. Neglect in giving us such information, has often been the cause of delays in obtaining the object sought. It is therefore desirable that we have samples of the fabric to be operated upon, and it is better to supply a complete garment so that all of the conditions can be observed. We are thus enabled to submit samples which will more fully illustrate the possibilities of our machines and finishes, and to give more complete and exact information regarding them.

Sometimes, and not seldom, we have been called upon to modify some of our machines to especially adapt them to finish garments or fabric before finished only by hand, or imperfectly done by some incompetent machine in an unsatisfactory manner, or at a slow rate. In such cases, we have succeeded with rare exceptions, whenever we have had the co-operation of those desiring to use such machines to the extent of giving us the full statement of the requirements, and the exercise of a reasonable degree of patience in making trials of our machines.

We will usually send our machines on ten days' trial to responsible manufacturers in the United States, but reserve the right to decline to do so.

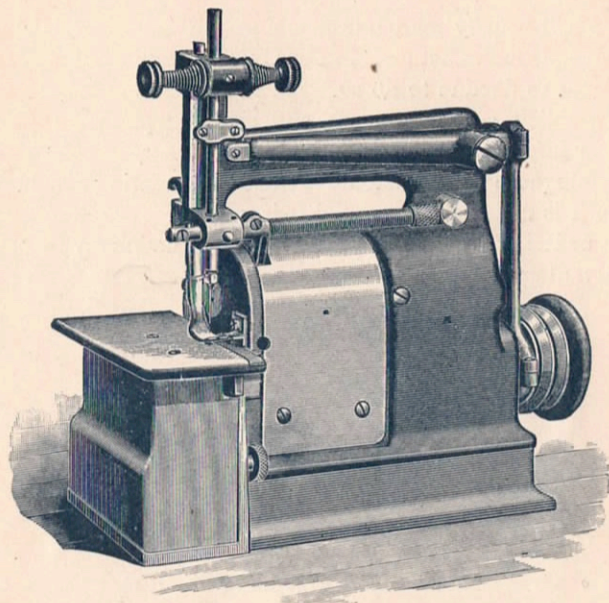
We solicit correspondence and shall be pleased to give further information and submit samples.

Catalogue numbers should be used in ordering machines when it is definitely known what is wanted.

In ordering by telegraph, the following code may be used to advantage.

No. 14,	.	.	.	.	Batavi.
No. 15,	.	.	.	.	Cotys.
No. 16,	.	.	.	.	Damon.
No. 17,	.	.	.	.	Elei.
No. 18,	.	.	.	.	Fanna.
No. 19,	.	.	.	.	Gades.
No. 20,	.	.	.	.	Helos.
No. 21,	.	.	.	.	Inopus.
No. 22,	.	.	.	.	Javerna.
No. 23,	.	.	.	.	Lelex.
No. 24,	.	.	.	.	Midas.
No. 25,	.	.	.	.	Naso.
No. 26,	.	.	.	.	Oasis.
No. 27,	.	.	.	.	Petra.
No. 28,	.	.	.	.	Quadi.
No. 29,	.	.	.	.	Rhea.
No. 30,	.	.	.	.	Syros.
No. 31,	.	.	.	.	Telos.
No. 32,	.	.	.	.	Uepian.
No. 33,	.	.	.	.	Volux.
No. 34,	.	.	.	.	Xenius.
No. 35,	.	.	.	.	Belus.
No. 38,	.	.	.	.	Butes.
No. 38A,	.	.	.	.	Baucis.
No. 38B,	.	.	.	.	Beroe.

APPENDIX, 1894.

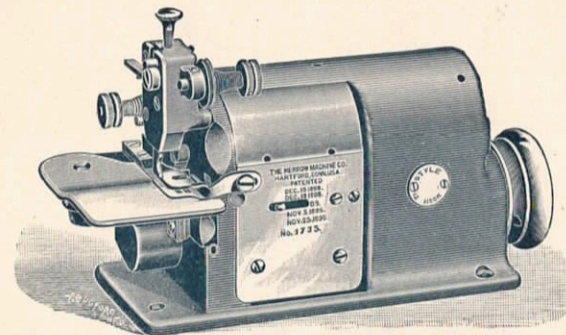


Our No. 35 HIGH SPEED DOUBLE THREAD SHELL STITCH MACHINE, represented in above cut, has been recently developed for producing shells much smaller and finer than anything heretofore made by machinery. The finish is attractive and closely resembles hand work. A single course of this finish is used with fine effect upon union suits and self fronts, and is adapted to a great variety of goods.

At a small extra charge, this machine is provided with improved apparatus whereby several courses of shells can be made, forming an elastic shell border of any desired depth without stretching or pouting the edge, making a rich and beautiful finish, well suited for use around the necks and arm holes of ladies' and children's underwear.

This machine is adapted to run at from twelve hundred to two thousand stitches per minute.

APPENDIX, 1899.



Our No. 40 HIGH SPEED MACHINE, represented above, produces what we call the Self-Locking Stitch, sometimes known as the button-hole stitch, which does not ravel.

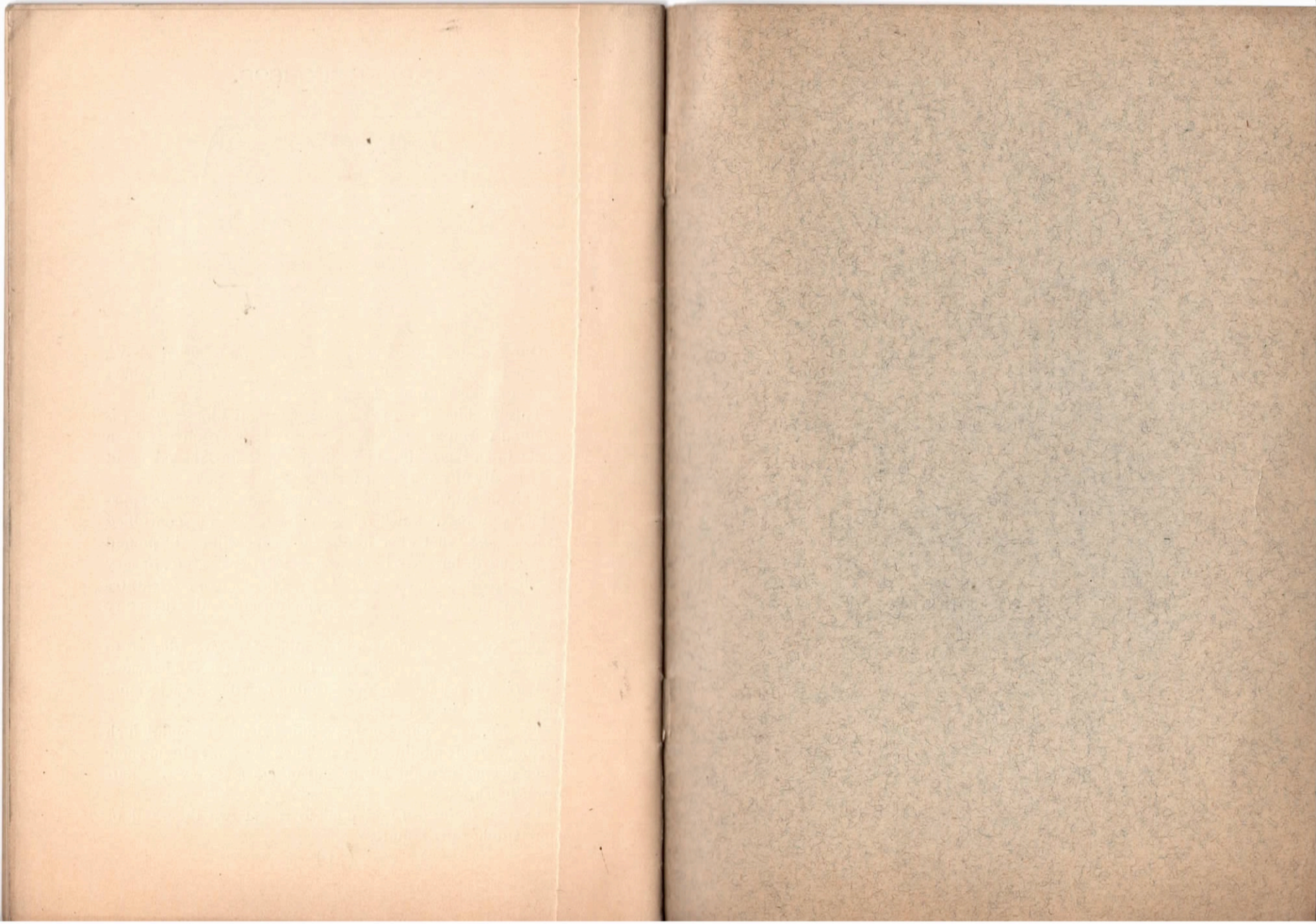
This machine is provided with substantial loopers, and is adapted to run at high speed. Special provision has been made in this machine to facilitate finishing the edges of very small cuffs and other tubular work.

This machine is further provided with adjustable apparatus by means of which very elastic fabric can be controlled at its edge, so that when finished the edge will not be pouted or extended, but may be the same length as before, or may be slightly contracted if desired. These are new features and they have proved to be extremely useful and satisfactory in operation.

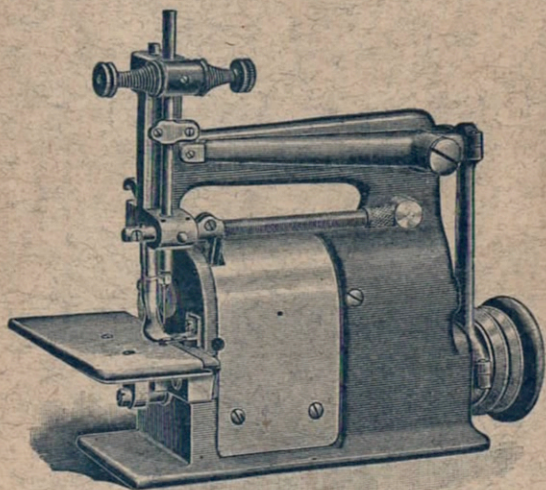
The No. 40 Machines and modifications are adapted to finish the edges of fabrics from the thinnest to the heaviest, and are also suitable for overseaming together two or more pieces of fabric.

The No. 40 Machine makes a finish about one-eighth inch deep. Various modifications produce the same stitch, some much deeper into the fabric and others make even a narrower finish.

These machines are adapted to run at two thousand or more stitches per minute.



The Merrow



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