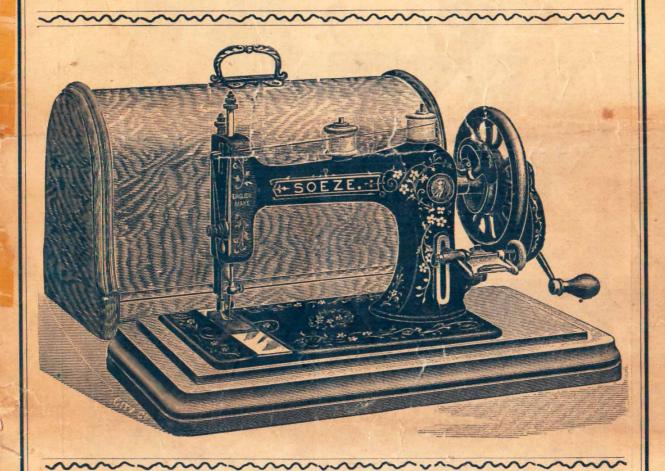
CONTRACTORS TO H.M. GOVERNMENT.

Directions and Suggestions

FOR OPERATING

BRADBURY & CO.'S "SOEZE"

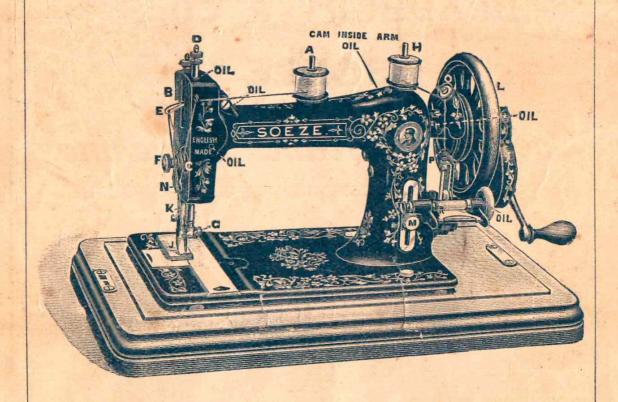
Lockstitch Hand Machine.

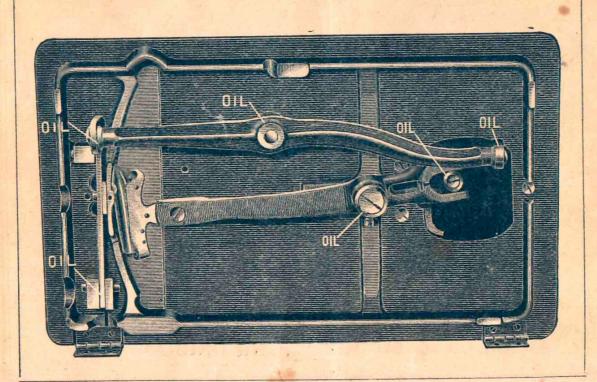


BRADBURY & CO. LIMITED,
WELLINGTON WORKS, OLDHAM.
AWARDED GOLD MEDAL, BIRMINGHAM, 1901.

DIRECTIONS FOR OPERATING

Bradbury & Co.'s "Soeze" Hand Sewing Machine.





TO OIL THE MACHINE.

Oil all the places indicated by a dash and the word "Oil," as shown in the illustrations. Take off the cap at the back of the arm to oil the cam inside. Oil the left point of the bobbin before placing it in the shuttle. When the Machine is in constant use, the face of the shuttle and the shuttle race must be lubricated with a single drop of oil at least once a day. After the Machine has been oiled, run it (with the presser foot up and the shuttle out) for a short time, and then wipe off the superfluous oil. If the Machine runs hard after standing idle for some time, use a little paraffin oil in the usual way, run rapidly, wipe clean, and then oil with good prepared oil.

Remember that every part where there is any friction should be carefully oiled. Use only a small quantity of oil at a time.

TO SET THE NEEDLE.

First turn the Machine until the Needle Bar is at its highest point, and loosen the screw that fastens the Needle. Take the Needle (with the flat side of the shank toward the Needle Bar) between the thumb and finger of the left hand; insert the Needle into the groove, push it as far up as it will go, and screw fast. Turn the Machine gently, and see that the Needle passes through the hole in the Needle Plate without touching either side. If it touches, take hold of it near its point and press it gently in the opposite direction until it enters the centre of the hole in the Needle Plate.

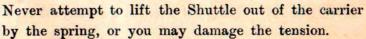
TO WIND THE SHUTTLE BOBBIN.

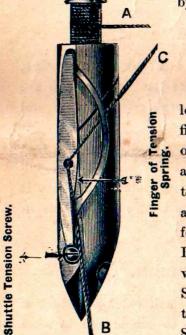
Disconnect the balance wheel by turning the small catch-plate out of the slot at the end of the balance wheel. This is to enable you to wind the Bobbin without running the Machine. Press the Winder plate down as far as it will go, and then the catch will keep it out of your way whilst you fix the Bobbin in the Winder. Place the end of the Bobbin in the Winder centre, pushing the Winder centre to the left to allow the other end of the Bobbin to go into the cup end of the spindle. Turn the cup end of the Winder spindle until the peg goes into the hole in the brass end of the Bobbin. Release the Winder presser plate by pressing the catch-spring slightly, so that it presses against the Bobbin. Place a reel of thread on the Bobbin peg H. Pass the thread between the two washers O downwards, and under the eyelet on the swing lever, and in the groove. Pass the thread through the hole R in the Bobbin, hold the end until the thread has lapped round the reel three or four times. Run

the wheel for winding in the opposite direction for sewing. Push the Winder frame so the rubber ring presses lightly on the balance wheel. When the reel is full, press Winder frame down from the wheel.

TO TAKE THE SHUTTLE OUT OF THE MACHINE.

Withdraw the front or back Shuttle cover slide. Turn the balance wheel until the Shuttle carrier is as near the front of the Machine as it will come. Press down the point of the Shuttle with the thumb, and it will lift the back end of the Shuttle clean out of the carrier.





TO THREAD THE SHUTTLE.

The Shuttle is self-threading. Take it in the left hand, between the thumb and the first two fingers, with the Shuttle point towards you. Draw off two or three inches of thread from the Bobbin and put it in the Shuttle, making sure that the thread runs off the top side of the Bobbin as shown at A in the illustration. Place the top of the forefinger of the left hand over the end of the Bobbin to keep it in position in the Shuttle, and with the right pull the thread down the slot in the Shuttle as far as it will go (position B). Then pull the thread back again towards the open end of the Shuttle until it passes over the finger of the tension spring (position C), and the Shuttle is threaded.

TO REGULATE THE SHUTTLE TENSION.

The tension on the thread in the Shuttle is regulated by the Shuttle Tension Screw, shown in the illustration.

Turn this Screw to the right to increase or tighten the tension. Turn it to the left to lessen the tension. The Shuttle tension should never be as tight as the top tension. It will not be necessary to change the tension of the Shuttle for ordinary kinds of sewing.

TO PUT IN SHUTTLE.

Draw out the front or back slide, and put the Shuttle into the carrier with the point toward you. Then close the slide.

Never attempt to turn the Machine over for oiling with the back slide part way out, or you will damage the Machine.

TO REGULATE THE TENSIONS.

The Tension on the upper thread is regulated by the Tension Nut on the front plate. That on the Shuttle as already described. Note that a very slight turn of the Tension Nut will make a great alteration in the Tension.

In sewing soft, thin fabrics the Tension should be light and easy. On thick and heavy goods it should be tight.

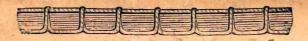
When both tensions are properly adjusted, both threads are drawn to the centre of the fabric as shown in the illustration below.



If the lower thread lies straight on the underside of the material thus,



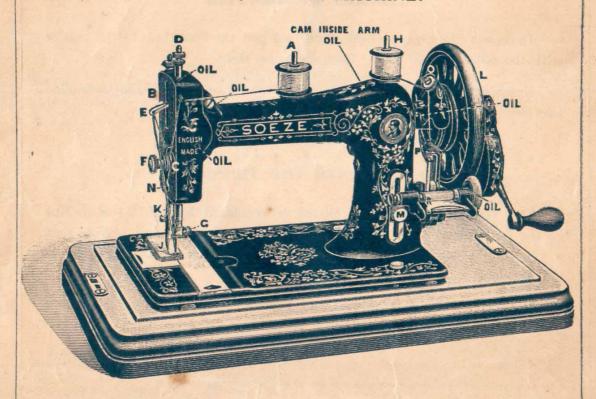
the shuttle tension is too tight, or the top tension too loose. If the upper thread lies straight, the top tension is too tight, or the shuttle tension too loose.



In sewing material that is too thin to conceal the lock of the threads in the centre, the tension should be arranged to throw the lock on the "wrong" side, so that the side exposed to view may present a better appearance.

0

TO THREAD THE MACHINE.



Put the reel of thread to be used on the Bobbin Peg A; then through the wire guide between the tension washers C. Draw the thread down the slot of take-up lever E, then pass the thread behind the wire guide G at the bottom of needle bar, and lastly through the eye of the Needle from left to right, leaving about four inches of thread.

TO COMMENCE SEWING.

Hold the free end of the thread between the thumb and finger of the left hand, turn the Balance Wheel towards you, until the Needle moves down and up again to its highest point. This will cause the Needle thread to catch and pull up the Shuttle thread through the hole in the Needle Plate. See that the slides that cover the Shuttle race are closed. Place both ends of the threads and also the material to be sewn under the Presser Foot J, lower the Presser Foot by the Lever K, turn the Balance Wheel L towards you, and commence sewing.

TO REGULATE THE LENGTH OF STITCH.

Turn the Stitch Regulator Thumb Screw M, on the front of the arm, a little to the left to loosen it, then slide it upwards to lengthen the stitch or downwards to shorten it. Tighten the Screw again by turning it to the right before commencing to sew.

TO REMOVE THE WORK.

Turn the balance wheel L until the needle rests at its highest point, press down the tension reliever N and draw from the reel four inches of slack thread. Then raise the presser foot, and with the left hand draw the material from the left side about four inches, and cut both threads.

TO SELECT NEEDLES AND THREAD.

The following Table indicates the Sizes of the Threads and Needles which should be used together.

In transmitting orders for Needles, to prevent mistakes and delay, always specify the size required.

80 to 100 Cotton, 24 to 30 Silk,	В
60 to 80 Cotton, 24 to 30 Silk,	1 2
40 to 60 Cotton, 24 to 30 Silk, 80 to 100 Linen,	1
30 to 40 Cotton, 16 to 24 Silk, 70 to 80 Linen,	2
24 to 30 Cotton, 60 to 80 Linen,	3
40 to 60 Linen or very coarse Cotton,	4

NOTE.—For Needles 0, B, $\frac{1}{2}$, and 1, use needle plate with small hole. For Needles 2, 3, and 4, use the needle plate with large hole.

Always use good Cotton, because it makes better work, and is the cheapest in the end.

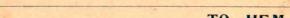
CAUTION.

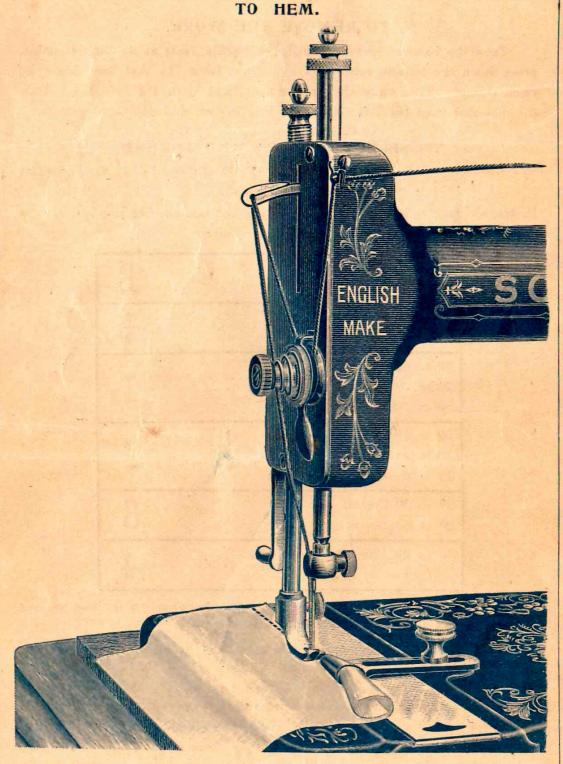
In consequence of the numerous inferior needles offered to the public, we caution all owners of a Bradbury & Co.'s Machine to use no needles in it except those supplied and furnished by them at their Branch Houses; and we also warn owners of our Sewing Machines that, in case any other than our needles are used, we cannot guarantee perfect working.

Needles and small articles can be sent by post to all parts of the country on receipt of Postal Order in payment; stamps only for small sums under Five Shillings.

Cheques and Post Office Orders made payable to

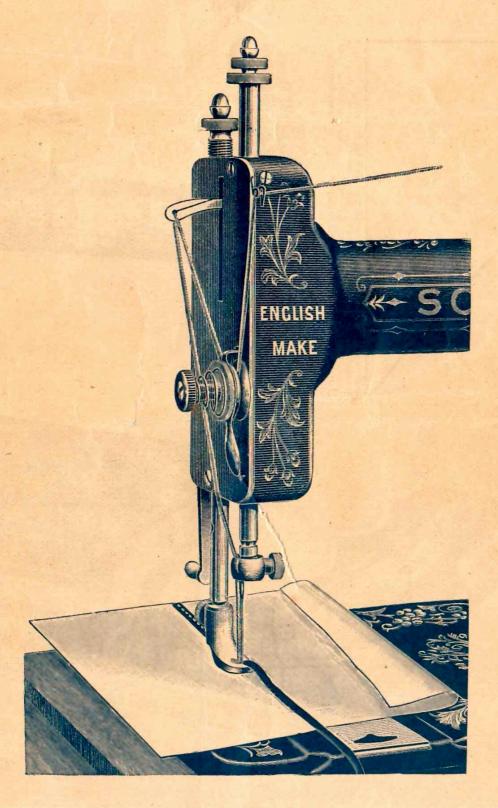
BRADBURY & CO., LIMITED, OLDHAM.





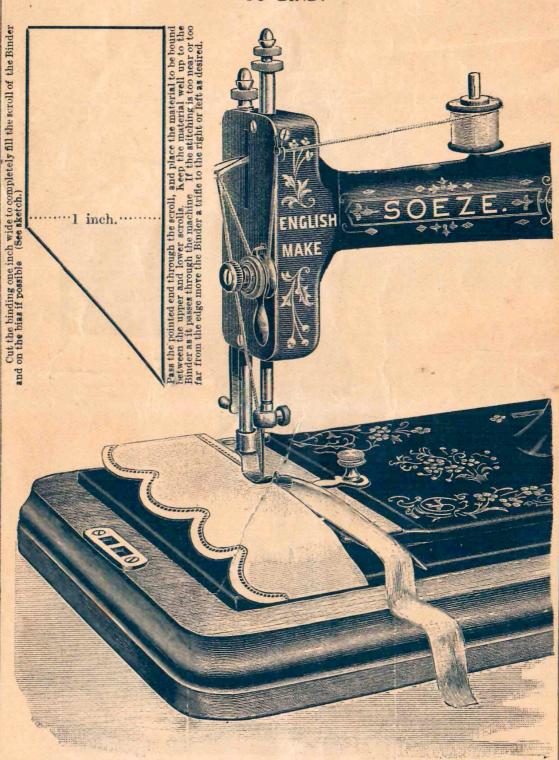
Secure the Hemmer of the width required to the Machine with the Edge Guide Screw, as shown in the illustration, with the left edge of the scroll on a line with the Needle, and as near as possible to the Presser foot without coming into contact with it. Raise the Needle and also the Presser foot. Turn the material into the mouth or scroll of the Hemmer and draw it along until it curls perfectly to the shape of the Hemmer. Then draw the material back to the Needle, lower the Presser foot, and commence to sew. If the stitching is too near the edge of the Hemmer or too far from it, move the Hemmer to the left or right as required. While sewing, guide the material with the hand so that the scroll of the hemmer is always filled.

TO BRAID.



Take off the ordinary Presser foot and attach the Braiding foot in its place. Pass the end of the braid through the *front hole* in the Braider, then under it on to the material to which it has to be sewn, and proceed as in ordinary sewing.

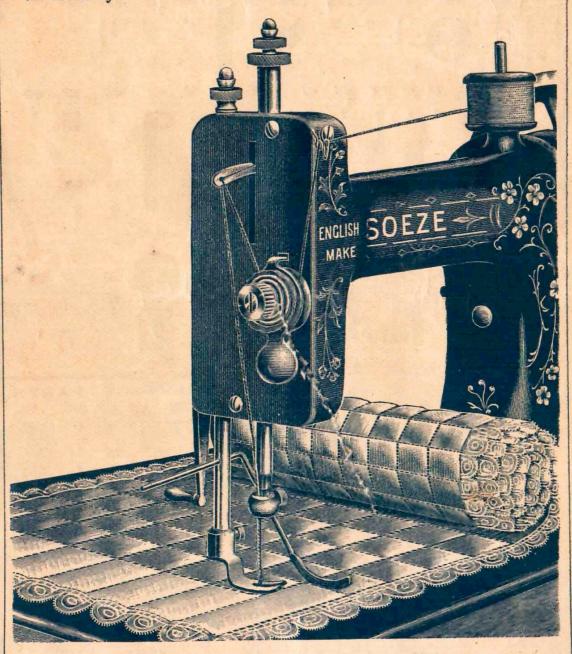
TO BIND.



Attach the Binder to the Machine with the Edge Guide Screw, as shown in the illustration.

TO QUILT.

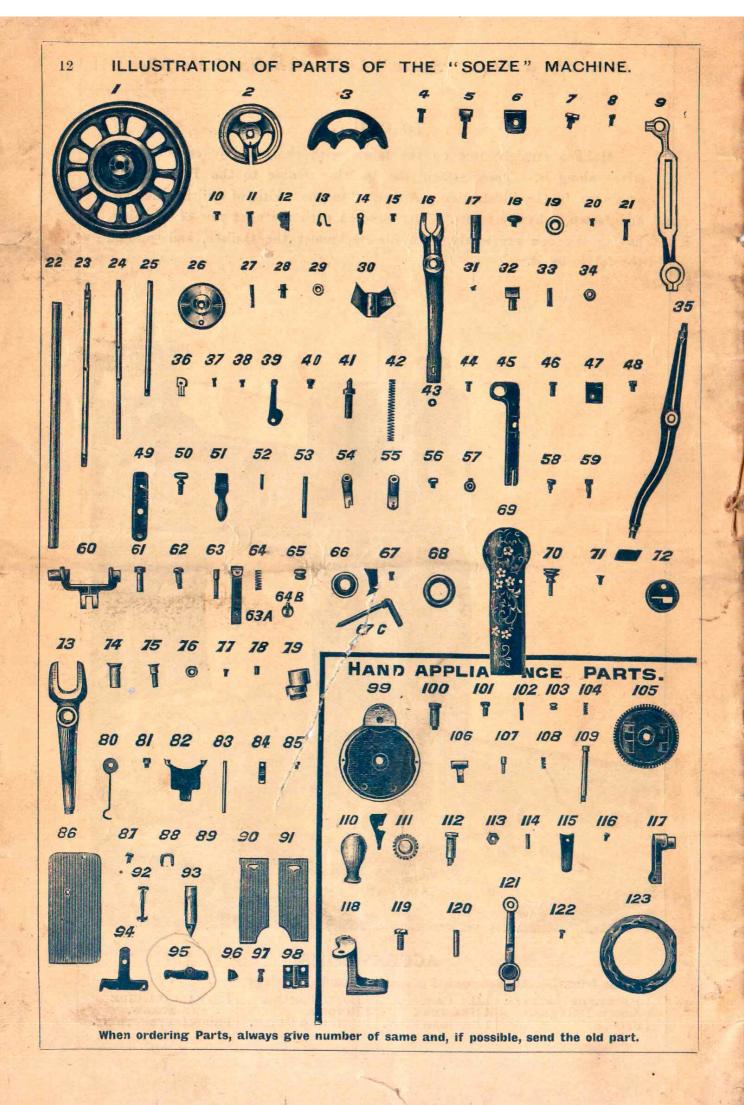
Make a straight line on the fabric with chalk or by creasing, and Then attach the Quilting Guide to the Presser Bar, stitch along it. as shown in the illustration. Adjust it to the width of quilting desired, and fasten it by the screw. Then proceed with the next row of stitching, having the one previously sewn directly under the Quilter, and guiding the fabric by it.



ACCESSORIES.

The following Accessories are given with each Machine:

- 1 PACKET OF NEEDLES. | 1 OIL CAN. 2 SCREW DRIVERS. | 4 HEMMERS.
- 4 SPOOLS.
- 1 BOTTLE OF OIL.
- 1 BINDER.
- 1 STRAIGHT GUIDE AND SCREW.
- 1 BRAIDER FOOT. 1 QUILTING GUIDE. 1 BOOK INSTRUCTIONS.



DETAILED LIST OF PARTS-"SOEZE" MACHINE.

		Ret	ail	D. a. I
		Pric	es.	Retail Prices.
No. 1 Balance Wheel (Black)		9.	d. 6	No. 8. d. 67 Winder Pulley Screw 0 1
Balance Wheel (Plated)		3	6	67c Swing Lever
2 Wheel Cap		1	0	68 Winder Rubber 0 1
3 Strap Guard		0	9	69 Side Cap
4 Strap Guard Screw		0	1	70 Side Cap Screw 0 4
5 Screw for Stitch Regulator 6 Stitch Regulator Block		0	4 2	71 Needle Plate Screw 0 1 72 Needle Plate 0 9
7 Stitch Regulator Block Stud		0	2	73 Fork Lever
8 Screw for Link		0	ī	74 Fork Lever Stud 0 4
9 Link or Stitch Lever		4	0	75 Fork Lever Screw 0 2
10 Screw for Wheel Cap		0	1	76 Fork Lever Bowl
11 Screw for Catch	•	0	3	77 Quilter Screw 0 1 78 Eccentric Cam Screw 0 1
13 Spring for Catch		Ö	ĭ	78 Eccentric Cam Screw 0 1 79 Eccentric Cam 3 6
14 Thread Guide		0	1	80 Hair Spring 0 2
15 Screw for Thread Guide		0	1	81 Hair Spring Screw 0 1
16 Fork Lever		4	0	82 Winder Presser Plate 0 6
17 Stud for Fork Lever	**	0	4	83 Winder Presser Plate Pin 0 1 84 Winder Presser Plate Catch 0 1
19 Set Hoop for Fork Lever		ő	3	85 Winder Presser Plate Catch Screw. 0 1
20 Screw for Set Hoop for Fork Lever		0	1	86 Front Plate 1 3
21 Regulator Screw for Fork Lever		0	1	87 Front Plate Screw 0 1
22 Horizontal Shaft	2010	1	6	88 Thread Lever Guide 0 1
23 Needle Bar		2	6	89 Thread Guide
24 Presser Bar 25 Guide Bar	::	0	9	90 Right Hand Slide 6 6 91 Left Hand Slide 6
26 Disc		1	6	92 Shuttle Reel 0 1
27 Pin for Disc		0	1	93 Shuttle
28 Cam Bowl Stud for Disc		0	4	94 Shuttle Carrier 1 6
29 Cam Bowl for Disc	• •	0	8	95 Shuttle Carrier Spring 0 4
31 Screw for Heart Motion	•••	0	1	96 Shuttle Carrier Back Spring 0 1 97 Rivet for Hinges 0 1
32 Swivel for Rocking Lever		Ö	9	98 Hinges for Bed
33 Screw for Swivel		0	1	
34 Bowl for Rocking Lever		0	8	HAND APPLIANCE PARTS.
35 Rocking Lever	••	0	0	99 Hand Appliance Frame 1 6 100 Hand Appliance Frame Stud 0 3
37 Screw for Lift Handle Block		0	ì	101 Hand Appliance Frame Strew 0 2
38 Regulating Screw for Lift Handle		0	î	102 Wheel Piston 0 1
39 Lift Handle		0	6 -	103 Wheel Piston Nut. 0 2
40 Screw for Lift Handle		0	1	104 Wheel Piston Spring 0 1
41 Presser Screw		0	6	105 Large Pinion Wheel 2 0 106 Lever for Crank 0 4
43 Presser Spring Washer		ő	1	107 Lever Piston
44 Shuttle Carrier Screw		0	ī	108 Lever Piston Spring 0 1
45 Feed Carrier		0	9	109 Handle Stud 0 2
46 Feed Carrier Screw	• •	0	1	110 Handle 0 3
47 Feeder Top	• •	1 0	0	111 Brass Pinion Wheel
49 Tension Plate	• •	Ö	4	112 Stud for Crank 0 3 113 Nut for Crank Stud 0 2
50 Tension Plate Screw		o	3	114 Pin for Crank Lever 0 1
51 Thread Reliever		0	4	115 Spring for Lever 0 1
52 Thread Reliever Pin	••	0	1	116 Screw for Spring 0 1
53 Bobbin Peg	• •	0	1 0	117 Crank 0 9 118 Frame Bracket 0 9
55 Braiding Foot		i	Ö	110 Frame Presket Covers
56 Sewing Foot Screw		0	2	120 Handle Lever Stud 0 1
57 Needle Bolt		0	6	121 Handle Lever 0 9
58 Needle Bolt Screw		0	2	122 Screw for Ring 0 1
59 Top Arm Screw	**	0	1 6	123 Ring for Frame 0 3
61 Winder Spindle		0	3	PARTS NOT ILLUSTRATED.
62 Winder Screw		o	2	Bed Plate 7 6
63 Winder Piston		0	2	Top Arm 7 6
63a Upright for Swing Lever		0	4	Needles (per dozen) 1 0
64 Winder Piston Spring 64bSet Hoop and Screw for Swing Lev	···	0	1 2	是他的是自己的经验的。 第二章
65 Winder Piston Nut	ver	0	2	PROCESSION OF THE PROPERTY OF
00 TYTE 1 TO 11	::	Ö	3	IN THE REPORT OF THE PARTY OF T
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When ordering Needles, Parts, or any Attachments, Stamps or P.O. must be sent with the Order, including sufficient for the Postage of the Article. We do not open accounts for Parts or Accessories. Carriage in all cases must be paid by the Customer.

TO TURN A CORNER.

Stop the machine while the needle is in the material. Raise the presser foot by the lever K and turn the work in the direction desired, using the needle as a pivot.

WORDS OF CAUTION.

Never let the Presser foot down on the feed unless you are sewing and have cloth under it.

Do not run the Machine when the shuttle is in, with either of the slides out or partly open.

Do not run the Machine backwards, nor with both threads in, unless sewing.

Do not draw the work faster through the Machine than the feed will naturally carry it.

Do not use a bent or dull pointed Needle.

Do not use knotty, hard twisted, or common cotton.

HINTS IN DIFFICULTIES.

If the Machine will not feed or carry the material along, it is because the stitch is too short.

If the cloth draws through the hole in the Needle plate, the needle is blunt, or too large, or the upper tension is too slack.

If the Machine misses stitches, the Needle is bent away from the shuttle, or is crooked, or the eye is too large for the thread.

If the Shuttle thread breaks, the Shuttle tension is too tight.

If the Needle thread breaks the cause may be either of the following :-

The inferior quality of the cotton.

The thread may be too fine for the needle.

The upper tension may be too tight.

The eye of the Needle may be rough or sharp.

The shuttle or shuttle carrier may be rough or damaged.

The thread may be cut by contact with the Presser foot if it is not properly adjusted, or if the Needle is bent.

REPAIRS.

In order to ensure efficient repair we advise our customers to send their machines either to Wellington Works, or to any of our principal Depôts, viz.:—London: 8, Farringdon Avenue, E.C., or 317, Commercial Road, E.; Belfast, Birmingham, Bristol, Glasgow, Leeds, Liverpool, and Norwich.

Machines sent to us for repairs must have the name of the sender inside the box, and the charges prepaid, or they will not be received from the Railway Company. All Machines sent to us for repairs, or otherwise, must be at owner's risk. The Stand of the Machine need not be sent to us when the Machine only is to be repaired.

What the Public say of our Machines.

Mr. D. ANDERSON, 3, Holmes Street, Hamilton.

GENTLEMEN.—I have much pleasure in stating, that after many years' trial of your excellent machines, viz.:—The Rotaries and No. 2 Med. S., of which I have had 50 running daily, that they have given every satisfaction in working with various fabrics, such as linens, diapers, cottons, &c., and can with confidence say there are no better machines in the market for any class of work. The cost for repairs has been but trifling, considering the amount of work done.

Mr. JOHN HORSFALL, Wholesale Clothier, Hebden Bridge, near Manchester.

GENTLEMEN,—I have now 80 of your No. 4
Rotary Machines running, and they continue to
give me great satisfaction. I am pleased to state
they cost me less in repairs and give the least
trouble of any Machines I have hitherto had. Please
put me another 50 Machines with power motions complete and bench with shafting on order, as per contract signed this day.

Miss SQUIBB, National School, Swanage, Dorset.

The "Wellington" Machine you supplied me with is a good one. It works well, and gives great satisfaction. It has also a splendid appearance.

Mr. J. BEACH, 28, Lloyd's Row, St. John's Road, London.

DEAR SIRS,—We have found your No. 2 Rotary Machine such a wonderful advantage over all others that we feel it our duty to inform you of the fact. First, the increased size of the wheel saves half the labour; secondly, the Shuttle Reel three times charged with cotton is sufficient for the day, a great saving of time after the small Spools of other Machines, and a great advantage to those who have City work. We, ourselves, are quite satisfied with your Rotary Machine. You are at liberty to use my name and address.

Messrs. JAS. H. WEBB & CO., Limited, Dublin.

Sirs,-We have had for the past few months about 24 of your No. 2 Rotary Machines running in our factory. They are the swiftest and lightest of any machines we use, and from their simplicity of construction we consider they will stand more wear and tear than any other; which, running them by power as we do, is a consideration of importance. They make a neat and durable stitch, and work very satisfactorily. We have room for one more, which you will oblige by sending as soon as possible.

Messrs. REDMAN BROTHERS, Manufacturers and Wholesale Clothiers, Salem Mills, Hebden Bridge.

GENTLEMEN,—We are well pleased with the two dozen New No. 7 Machines you have supplied us with. We consider them equal or better than any we have had before. Please send on at your earliest Twelve Dozen at prices previously arranged.

From N. JACOBSON, Clarence Hat Works, Cheetham, Manchester.

GENTLEMEN,—In answer to your inquiry, I have much pleasure of informing you that the 65 Machines, shafting and appliances for steam power, which you fitted up for me on Christmas last, are in perfect working order, and have given me entire satisfaction.

Mr. C. FORD, Newbold Road, Chesterfield.

I have been in the sewing machine business for the last 32 years, and during that time I have dealt in various kinds of machines of greater or less repute, but I have found Bradbury's to stand the test of time better than three-fourths of the machines I have handled. They give credit to the maker, confidence and less trouble to the agent, and the greatest satisfaction to the purchaser. can place my hands on Bradbury's machines that I sold 23 years ago showing little signs of wear, and which, with proper use and care, will last ten years

Mrs. WEBB, Lockeridge, Marlborough.
You will be pleased to know that the "Wellington" Machine, purchased more than seven years since, has kept in perfect order, and has given every satisfaction.

Mr. H. W. TRICKETT, Wholesale Slipper

Manufacturer, Waterfoot, near Manchester.
Gentlemen.—I have now about 150 of your Ar
Repairing Machines making Slippers, and I am pleased to inform you that I am well satisfied with them. They do better work, are quicker, and are much more easily repaired than any other maker's machines that I have tried. I have now replaced all the machines made by other manufacturers with your machines.

The 30 machines and power bench which I received from you last week are working satisfactorily. I consider the bench is a decided improvement on those I have had previously, and I wish that my factory had been fitted up entirely with your benches. I expect I shall be able to give you a further order for machines and benches at an early date

Mr. JAMES E. BLACK, Rochester Clothing Factory.

GENTLEMEN, - For about four years past I have been using about 30 of your No. 4 Rotary Machines, and consider they have stood the test very well indeed. For general all round work in a factory, I feel sure there is no machine to beat them.

Messrs. ALEXANDER THOMSON & CO., Bootmakers and Repairers, 50, Dum-

barton Road, Glasgow.

Gentlemen.—We have much pleasure in testifying to the satisfaction we have received in the use of your AI Elastic Machines, which use has ex-tended over a period of 12 years, and from their construction and the character of the work they are capable of performing, we consider them superior

for repairing purposes to any we have yet seen.
[This firm has about 20 of our Ar Elastic Machines.]

Mrs. M. A. CLARK, Dressmaker, 97, Kirkgate,

Leith.

I have in my possession a Bradbury Sewing Machine (No. 2) that I have worked for the past fifteen years, and seemingly good for another fifteen. It has cost me only sevenpence for repairs during that period. I have earned a good income out of it as a disassmalar. out of it as a dressmaker.

Messrs. CHAPPELL, ALLEN & CO., Weare Street, Bath Road, Bristol.

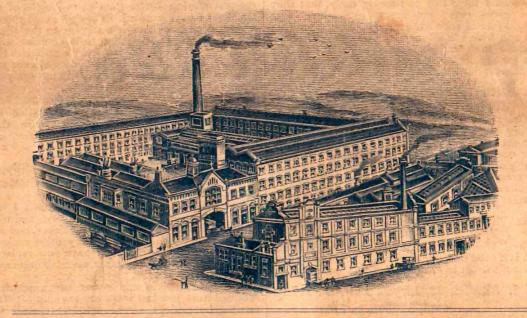
GENTLEMEN,—Having run some 30 of your Rotatory Double Shuttle Machines in our Stay Factory for the last six months, we have much pleasure in saying they have worked most satisfactorily and have effected a great saving. put in hand 100 more; 50 to sew this spaces and 50 th of an inch. Deliver soon as possible.

Several hundred Testimonials from all parts of the world to be seen on application.

BRADBURY & CO. LIMITED

ARE THE

Oldest European Makers. - Established 1852.



DEPÔTS:

LONDON	. 8, Farringdon Avenue.
	317, Commercial Road, E.
	127, Praed Street, W.
	199, Walworth Road, S. E.
	60, High Street, Camden
31	Town, N.W.
,,	283, North End Road, Fulham.
, ,,	11, Station Road, Wal-
, ,,	thamstow.
,,	19, Thomas Street, Wool-
	wich, S.E.
,,	Queen's Drive, Harrin- gay, N.
BELFAST	83, Victoria Street.
BIRMINGHAM	183 and 185, Corporation
	Street.
BOLTON	108, Newport Street.
BRISTOL	14, Castle Street.
BURTON-ON-TH	RENT35, Station Street.
CASTLEFORD	Market Hall.
DARLINGTON	15, Priestgate.
DUDLEY	
DONCASTER	4, Cleveland Street.
EDINBURGH	66, Nicolson Street.
	232, Sauchiehall Street.
	256, Freeman Street.
STEEL STEEL STEEL	

HANLEY	25. Trinity Street.
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LEEDS	34, Upperhead Row
LIVERPOOL	128, Bold Street.
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	mercial Road.
PRESTON	23, Market Street.
ROCHDALE	12, Drake Street.
SHEFFIELD	36, Pinstone Street.
SOUTH SHIELDS.	1, Station Road.
STOCKPORT	18 and 20, St. Peters-
	gate.
SWANSEA	7, Alexandra Road.
WAKEFIELD	Bull Ring.
WALSALL	43, Upper Rushall St.
WIGAN	20a, Standishgate.
WOLVERHAMPTO	
YORK	
TOTALE	

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

WELLINGTON WORKS, OLDHAM.