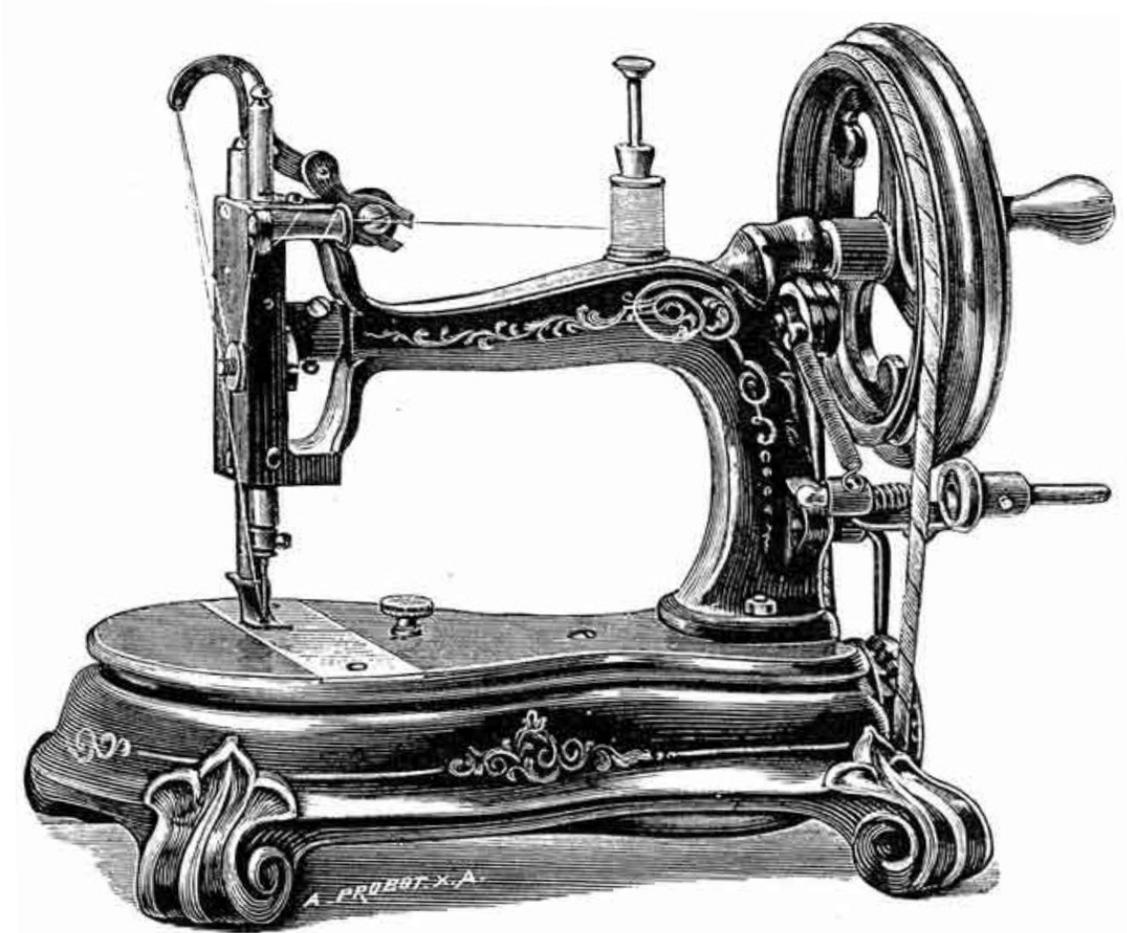


# The NeedleBar



# Needle Book

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# **The NeedleBar Needle Book**

**A List of Sewing Machine Needle Makers and Suppliers with their  
corresponding needles for over 3,800 different antique and vintage  
Domestic Sewing Machines**

**Second Edition**  
**compiled and edited by**

**Chrys Gunther**

**Privately published by  
The NeedleBar Group, England  
[www.needlebar.org](http://www.needlebar.org)**

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# The NeedleBar Needle Book

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## INTRODUCTION

The fascinating activity of collecting, preserving and researching antique and vintage sewing machines is a recent phenomenon, stimulated by the easy availability of often very old and scarce machines for considerably lower prices compared with other antique collectible items.

Even more recent has been the explosion of interest in actually sewing with these fine pieces of precision engineering from a bygone age. Quilters take great pride in labelling blocks with the name and manufacture date of the ancient machine which sewed it, and such blocks are avidly exchanged among the many internet collecting and quilting groups. For greater authenticity, people in re-enactment groups use old sewing machines to make their costumes. Yet others enjoy the simple, relaxing pleasure of using the same hand or treadle-operated machines used by their forebears. The gentle ticking of a well-adjusted 1890's hand machine while sewing can be extremely calming in a stress-filled world.

To the older generation of collectors, who were and are interested in the 'nuts and bolts' and the development of the mechanisms, and who had no desire to sew with their machines, the needles used by them were usually of secondary interest.

Now however, there is a pressing need for a comprehensive reference source which enables collectors to identify the correct needle types for their antique and vintage domestic machines. This book is intended to go a long way towards meeting that need.

Included here are the names of over 3,800 domestic sewing machines and the types of needles used by them, cross-indexed with the needle types of various makers, and with modern-type equivalents noted where they exist.

There is also an extensive guide to the makers of 'badged' or 'stencilled' machines which will prove extremely useful for collectors 'in the field'.

This book is brought to you by the NeedleBar, a non-profit making sewing machine research group, run by collectors, for the benefit of collectors. ([www.needlebar.org](http://www.needlebar.org))

All monies raised as a result of this publication will be used to maintain and expand the internet presence of The NeedleBar to enhance your collecting pleasure.

Enjoy!

Alan Quinn  
July 2015

## How to Identify the Correct Needle For a Machine using

### THE NEEDLEBAR NEEDLE BOOK

This book is divided into four main sections;

Section A - Sewing Machine Models/Names and Compatible Needle Types

Section B - Needle FAQ (Frequently Asked Questions)

Section C - List of Machine Names and Compatible Needle Types in Needle Order

Section D - List of Sewing Machine Makers and Suppliers

Section A shows the model/name of the machine in the center column. The **COMPANY CODE** used to identify the maker of the machine is in the left column and the appropriate needle for this machine in the rightmost **NEEDLE CODE** column.

1. Note the name appearing on the arm of the machine, e.g. Atlantis
2. Locate this name in the Machine Names and Compatible Needle Types section (Section A). The entry for Atlantis reads:

<b>Company Code</b>	<b>Name</b>	<b>Needle Code</b>
N1	Atlantis	10

3. **TO FIND THE COMPANY** who made this machine, turn to the Sewing Machine Makers and Suppliers (Section D) and locate the company code column entry for N1.

It will show N1 in the Company Code column, the Company Name and the Country of Manufacture, thus:

N1	New Home SM Co	USA
----	----------------	-----

4. **TO FIND THE CORRECT NEEDLE TYPE** for this machine, move to the List of Machine Names and Compatible Needle Types (Section C) and go to the page for Needle Code 10. At the top of the page is the correct or closest equivalent needle as made by the various needle makers/suppliers.

This entry shows the corresponding type of needle for the Atlantis machine as made by, in this case, nine needle makers and suppliers with the corresponding codes for this needle used by those companies.

In cases where several makers used identical names, it is necessary first to ascertain the maker from other sources. The Sewing Machine Makers & Suppliers Section is provided to identify the maker of a machine where it is not immediately obvious.

**SEWING MACHINE NEEDLE  
MAKERS AND SUPPLIERS**

**NEEDLE CHART  
ABBREVIATION**

The Singer Manufacturing Company, USA	SINGER
Free Sewing Machine Company, USA	FREE
Boye Needle Company, USA	BOYE
Ferd. Schmetz GmbH, Germany	SCHMETZ
Brewer Sewing Supplies, Inc., USA - Brewer Letter - Brewer Number	BREWER BREW. NO.
Other Makers	OTHER
National Sewing Machine Company, USA	NATIONAL
White Sewing Machine Company, USA	WHITE
William Crowley & Sons, England	CROWLEY
The Torrington Company, USA	TORR
European Makers	EUROPEAN

**NOTES**

Some machines have no entry in the company code column as the maker is unknown. Other machines where the maker is obvious, may be blank as the machine does not use that maker's needles.

Every effort has been made to ensure the accuracy of the book's data however there is a possibility that some inaccuracies may arise because of the duplication of machine names by various makers and by the lack of data available for some machines.

## NEEDLE SOURCES

Many needles are obsolete and some are not made by contemporary needle makers. Needle sources could include internet auctions, packages of needles from vintage sewing machines and Boye needle tubes. In some cases, a sample needle sent to an industrial needle supplier might produce a contemporary equivalent. Failing that, experimentation with different needle placements in the needle clamp may produce satisfactory results.

## DATA SOURCES

Grateful thanks are sent to Chrys Gunther for sharing her valuable time and information sources with the NeedleBar group, and for compiling the information in this publication.

We also thank Linda Scholten, Claire Sherwell, Susanne Froeschle, Christoph Schmidt and Lee King for their contributions.

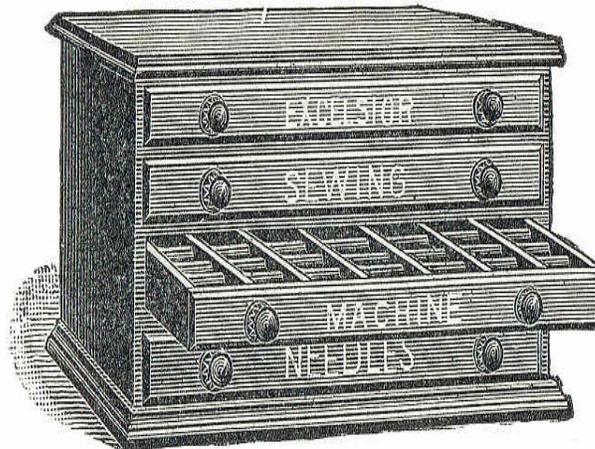
Further copies of this publication may be obtained from:

**<http://www.needlebar.org>**

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## WALNUT NEEDLE CABINETS.

WITH CONCAVE TILLS.



2 Drawer, 48 Tills.....	each,	\$2 50
3 Drawer, 96 Tills.....	"	3 00
4 Drawer, 144 Tills.....	"	4 00

# Section A

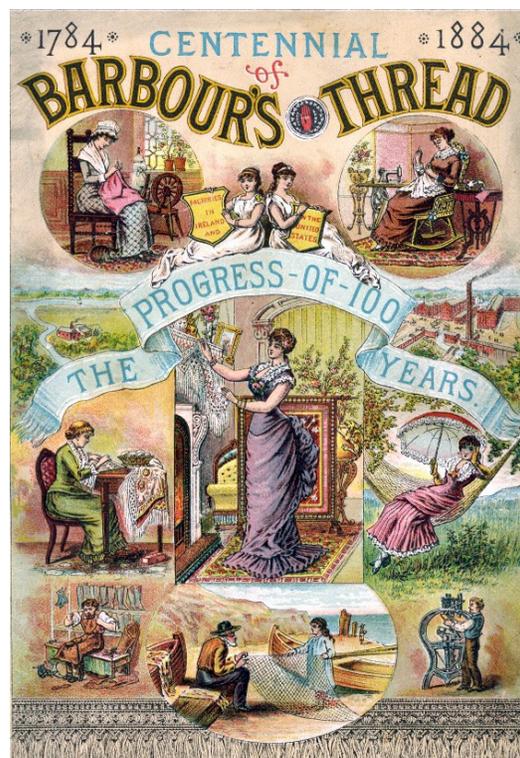
List of Machine Names

and

Compatible Needle Types

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	A Happy Home Maker	20		Albertson	13
	A. M. J. & Co.	14	C3	Albion	5
N2	Abbott	7	N2	Albion	7
N2	Abendale	7	S2	Alden	16
N2	Abenschule	7		Alden & Jordan	13
	Aberdeen	14	M1	Alexander	20
M1	Abney Machine Co.	20	D1	Alexandria	5
M1	Abrams Special	20	N2	Alladin	7
S2	Acadia	16	M1	Allday	20
S2	Acme	16	M1	Allen's Queen	20
D1	Acme	5		Allen, Wallace & Son	14
N2	Acme	7	N2	Alliance	11
N2	Acme Rotary	8	D1	Alliance	5
N2	Acworth	7	N2	Alliance	6
D1	Adams	5	N2	Alliance	7
	Adams Warranted	14	N2	Alma	7
	Adelaide	11	N2	Almacen San Miguel	7
D1	Adelaide	5		Aloha	14
M1	Adirondack	20	G1	Alosh	7
G1	Adla	11	W5	Alpha	20
G1	Adlake	11	S2	Alston	16
A4	Adler Rotary 8, 10 & 12	25		Alston	14
A4	Adler VS 1&2	13	N2	Alta	7
D1	Admiral	5	N2	Alto	7
	Admiral	14	N2	Alva	11
K5	Adolf Knoch TS	15	N2	Alva	7
K5	Adolf Knoch VS & class 15	13	E4	Alvah	5
D1	Advance	5	E4	Alvah (Cylinder)	10
N2	Advance Rotary	8	N2	Always Ready	8
D1	Advance Union	5	N2	Always Ready	7
	Advance Union	14	N2	Amazon	7
N2	Advocate	7	S2	America	16
S2	Aero	16	D1	America	5
	Aerumann	14	N2	American	7
P1	Aetna No. 1	11	D1	American Beauty	21
P1	Aetna No. 2	15	D1	American Beauty	5
P1	Aetna No. 3 Imp.	11	N2	American Beauty	7
N2	Aetna latest	7		American Extra Imp.	14
B6	Afrana Medium	3	S2	American Jr.	16
B6	Afrana Rotary	25	N2	American Lady	7
B6	Afrana TS	11	N2	American National	7
B6	Afrana VS	13	N2	American New	7
M7	Agenoria	13	A1	American No. 1 & 2	27
S2	Agriculturist	16	A1	American No. 7	2
D1	Ajax	5	A1	American No. 9	7
F1	Akron	14		American O'Neill-Adams	14
N2	Al Ponetics de Liverpool	7	A1	American O. S.	1
N2	Alamo	7	A1	American Plain	1
	Alanen M.	14	G1	American Queen	7
N2	Alaska	7	N2	American Rotary	7
	Albany	14	N2	American Special	7
N2	Albaugh Dover	7	N1	American Union	10
N2	Albemarle	7	S2	Americana	16
S2	Alberta Peterson	16	N2	Americo	7
M1	Alberta Special	20	N1	Amerikan	10

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	Anchor	20	D1	Atlantic	5
G1	Anderson	7	N1	Atlantis	10
D1	Anderson A.	21	N2	Atlas	7
D1	Anderson G. A.	21	W5	Aubrey	20
	Andrus	11	F1	Auburn	22
	Andrus	14	S2	Auburndale	16
M1	Andrews	20	N2	August Jr.	7
N2	Anita	7	F1	Aurora	14
A5	Anker CB	25	N2	Austin Special	7
A5	Anker TS	15	S2	Austral	16
A5	Anker VS	13	N2	Auto Trust	7
S2	Anthracite	16	F1	Auto, The	14
G1	Antic	7	N2	Autocrat	7
S2	Antonio Castillero	16	W4	Automatic	23
F1	Apartment Electric	13	N2	Automatic Rotary	7
D1	Apax	5	N2	Automatic Stitch	7
N2	Apex	7	S2	Automatic, The	16
S2	Apostula Baptist	16		Avalanche	14
A3	Appleton	15	M1	Avena	20
A3	Appleton	27	J3	Avenue, The (Family CS)	34
N1	Appleton	10	A2	Avery	15
S2	Appolo	16	F1	Avery	13
N1	Arbest	10	F1	Avery	14
S2	Arcade	16	M1	Avia	20
N2	Arcade	7	F1	Aviator	21
S2	Arcadia	16	N2	Avon	7
D1	Argonaut	5	N1	Avona	10
S2	Arlington	17			
D1	Arlington	5			
N2	Arlington	7			
D1	Arlington Cash Buyer's Union	5			
N2	Arlington Gem	7			
D1	Arlington Jewell	5			
N2	Arlington Queen	7			
W14	Arm & Platform	27			
S2	Armour	16			
S2	Armour D	16			
M1	Arms	20			
M1	Armstrong Bros.	20			
M1	Arnold	20			
N2	Arrow	7			
S2	Arrow	16			
S2	Artison	16			
N2	Ashland	7			
S2	Astor, The	16			
N2	Atchison	7			
M1	Athens	20			
M1	Atkins, The	20			
N2	Atlanta	6			
N2	Atlanta	7			
G1	Atlanta Constitution	11			
G1	Atlanta Constitution	6			
S2	Atlantic	16			



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
	B. M. & M.	14	S2	Baxter	16
	B. W. C.	5	D1	Bay State	7
B8	BSM 3A & 7A	13		Bayliss & Moody	14
B1	Baby	25	M1	Bayounes	20
S2	Baby Grand	16	N2	Bazar	7
S2	Bacha	16	N2	Bazar, Francis	7
F1	Backer	14	D1	Beach	5
M1	Bacon	20	N2	Beacon	7
M1	Bacon C. W.	20	N2	Beacon Imp.	7
N2	Badger	7	S2	Beagle-hole	16
N2	Badt J. M.	7		Beale	13
G1	Bailey	7	S2	Bean	16
	Bailey G. W. & Co.	14	N2	Beance	7
	Baily L. D.	14	S2	Beathe	16
G1	Baker	7	F1	Beauty	14
	Baldwin	11	N2	Beaver	7
G1	Baldwin	7	W5	Beck McKinley & Co.	20
N2	Balinoral	7	N2	Bedford	7
S2	Ballantyne	17	M1	Bee Hive	5
N2	Balliet	7	M1	Bee Hive	20
N2	Balliet J. R.	7	S2	Beham	16
N2	Baltimore	7	S2	Beham The Geo.	16
G1	Baltimore, The	9	N2	Behrenden National	7
N2	Bamberger	7	M1	Behrens	20
M1	Bancon	20	D1	Beigle	5
G1	Banfield	7	N2	Bel Isle	7
D1	Banner	21	N2	Belair	7
D1	Banner	5	S2	Belanger	16
N2	Banner	7	M1	Belanger	20
N2	Bannerman	7	G1	Bell	7
N2	Banta	7		Bell & Harris	14
	Baptist (Herald)	14		Bell H. P. Son & Co.	7
	Baptist (Standard)	14	N2	Belle	7
	Baptist, The	14	G1	Belle, The	9
	Baptiste Abiline	14	G1	Bellview	7
N2	Barbosa Coraceivich	7	S2	Belmars	16
M1	Barlow	20	N2	Belmont	7
W5	Barnard	20		Belox	14
	Barnes	13	N2	Belvidere	7
M1	Barnes	20	D1	Ben Hur	21
W5	Barnett	20	D1	Ben Hur	5
N2	Bartlett	7	N2	Benjamin	7
D1	Bartlett	5	M1	Bennetts Best	20
N2	Bartlett Rotary	8	N2	Bennita	7
	Bartlett Wood & Co.	14	N2	Benty	7
F1	Bass	14	N2	Berkle	7
N2	Bastedor O'Damode	7	N2	Berkley	7
N2	Baston D. Y.	7	N2	Berta	7
M1	Bates	20	S2	Bertha	16
M1	Bates G. A.	20	F1	Berwick	14
N2	Batesville	7	S2	Bessie	16
M1	Batte Furniture Co.	20	M1	Bessies	20
W5	Baumgarten	20	M1	Bessie's Best	20

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	Bession	5		Booker & Brown	14
M1	Best, The	20	G1	Booster	7
S2	Bestor	16		Booth W. H. & Co.	14
N2	Betsy Ross	7	M1	Booty	20
N2	Betsy Ross Rotary	8	N2	Borg Special	7
N2	Betz	7		Bostcher Bros.	14
N2	Beulah, The	7	B3	Boston	11
	Biddle	14	D1	Boston	5
M1	Biddy	20	B3	Boston	6
G1	Biffor	7	F1	Boston	14
M1	Big Sandy	20	F1	Boston A	14
M1	Big Store	20	B3	Boston Self Threading	10
M1	Biggs	20	F1	Bouquett	14
M1	Billeand	20	N2	Boutell	7
S2	Binghampton	16		Bowen & Son	14
M1	Bishop	20	M1	Bowerman	20
S2	Bishops Favorite	16	M1	Bracht Bros.	20
F1	Bitkers Favorite	14	B7	Bradbury 1, 7, Medium	11
S2	Black Diamond	16	B7	Bradbury 5	6
F1	Blackburn	21	B7	Bradbury 6 Spool	26
M1	Blackey	20	B7	Bradbury Family VS	34
N2	Blackhawk	7	B7	Bradbury Soeze	19
	Blade	11	B7	Bradbury Wellington	1
D1	Blade	5	G1	Bradford	7
G1	Blade	7	M1	Bradley	20
D1	Blade, The	21	M1	Brady Bros.	20
M1	Blank	20	M1	Bramer	20
B2	Blees	15	N2	Bramor	7
M1	Blocko	20	M1	Braselton Bros.	20
N2	Blocks	7		Brauner J.	14
M1	Blossom Hardware Co.	20		Brawsions	14
S2	Blount's	16	S2	Brenham	16
S2	Blue Bell	16	F1	Brewer ABC	21
D1	Blue Bird Rotary	21	N2	Brewer AE-BE	7
G1	Blue Diamond	7	M1	Brewer Electric Rotary	21
S2	Blue Diamond	16	N1	Brewer O-Keh	10
D1	Blue Ribbon	5	N2	Brewer Rotary	8
	Blue Ribbon	14	N2	Brewer Rotary E	7
N2	Blue Ridge	7	N2	Brewer's Rotary	7
N2	Bluff City	7	N2	Bride	7
N2	Boans	7	N2	Bright Star	7
G1	Bob Stanley, Clipper	7		Brighton	14
M1	Boehm	20	M1	Brin	20
N2	Boetler	7		Brinn Louis	14
G1	Bolton	7	N2	Briscoe Bros.	7
S2	Bon March	16	G1	Bristol	7
D1	Bon, The	5	J3	British Queen CS	34
S2	Bon-I Look	16	N2	Brittain Rotary	8
N2	Bonaventure	7	S2	Broadway	16
N1	Bond Turney Hdwe Co.	10	W5	Broadway	20
N1	Bonia	10	W5	Broes Best	20
N2	Bonita	7	S2	Broken Arrow	16
M1	Bonley	20	M1	Brooklyn Queen	20
S2	Bonner	16	W5	Brooks	21
N2	Bonota	7	F1	Brooks Special	14
M1	Boody Bros.	20	G1	Brookshire	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
	Brooky Queen	14		C & C	5
N2	Brosco	7		C. C. Furniture Co.	14
B4	Brosius	10	J3	CWS Federation	34
B4	Brosius	11	N2	Cabinet	7
M1	Brown	20	N1	Cables	10
	Brown Care	14			
S2	Brown Special	16			
M1	Brownie	20			
	Browning's Favorite	13			
S2	Browns	16			
M1	Bruce	20			
F1	Bruce	14			
S2	Bruce	16			
F1	Bruce, The	13			
N2	Brunswick	7	N2	Cadillac No. 1	7
N2	Brunswick Rotary	8	N2	Cadillac No. 2	5
M1	Bryan	20	S2	Cadillac No. 3	16
	Buchanan	14	S2	Caines	16
S2	Buckeye	16	M1	Caldwell & Lampher	20
D1	Buckeye	5	N2	Calfat	7
W7	Buckeye N. S.	10	G1	California	7
W7	Buckeye O. S.	27	F1	Calumet	14
G1	Buffalo	7		Calvert	14
N2	Buhl	7	W5	Calyx	20
N2	Bungalow	7	M1	Calyx Rotary	21
N2	Bur Oak	7	D1	Cambria	5
N2	Burchwale	7	N1	Cambridge	10
N2	Burdick No. 1	7	N1	Cambridge, The	10
H1	Burdick No. 2	11	G1	Cameo	7
D1	Burdick 2-B	5	G1	Cameran	7
D1	Burdick No. 3	5	S2	Campania	16
H1	Burdick 3-C	11	S2	Campbell	16
F1	Burdick No. 4	14	S2	Cams Special	16
F1	Burdick 4-D	14	C1	Canada	27
M1	Burgess, The	20	N2	Canadian	7
M1	Buris & Caskey	20	N2	Canadian Empire	7
M1	Burks	20		Canda	1
N2	Burlington	7	M1	Canton	20
G1	Burnett	7	M1	Capac Star	20
N2	Burnett's Choice	7		Capital	12
M1	Burns	20	N2	Capital	6
N2	Burton	7	N2	Capital	7
	Burton Bros. & Day	14	M1	Capitol	5
	Burton, Peck Dry Goods Co.	14	M1	Capitol	20
M1	Busha Special	20	S2	Capitol	16
M1	Buster Brown	20		Capitol City	14
N2	Busy Bee	7	N2	Capitol No. 2	11
N2	Busy Woman	7	N2	Car	7
F1	Butler	5		Carahan	13
F1	Butler	14	S2	Caraway	16
M1	Buttruff	20	W5	Carle	20
F1	Byron	14		Carlin & Fulton	14
			M1	Carlisle	20
				Carlton	14
			N2	Carmelita	7



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
S2	Carnahan	16	D1	Chelsea	7
M1	Carnahan	20	M1	Cherokee	20
D1	Carnival	5	F1	Cherokee	21
N2	Carola	7	N2	Chesapeake	7
N2	Carolina	7		Chester & Powell	14
	Carona	14	C2	Chicago	15
W5	Carpenter B. T.	20	G1	Chicago	7
N2	Carrara	7	N2	Chicago	7
	Carren	13		Chicago Conklin	14
N2	Carren	7	C2	Chicago High Arm	14
F1	Carroll	14	C2	Chicago Low Arm Singer	15
M1	Carson	20	C2	Chicago Mfg. Dept.	13
	Carstarphen Favorite	14	D1	Chief	5
G1	Carter	7	N2	Chief Wapello	7
S2	Carthaginian	16	M1	Childress	20
N2	Case Leader	7	N2	Childs Special	7
N2	Case, The	7	N2	Chiles	7
N2	Cases	7	N2	China	7
N2	Cases No. 1	7	D1	Chinic	5
S2	Casino	16		Choice	5
W5	Cates Geo. P.	20	N2	Christian Courier	7
M1	Cecil	20	N2	Christie	7
M1	Celeste	20	M1	Christine	20
N2	Celeste	7	G1	Chronicle Premium	11
S2	Centennial	16	S2	Chubert	16
F1	Central City	14		Cirola, The	13
S2	Centric	16	S2	Claiborne	16
D1	Centura	5	N2	Clarendon	7
F1	Century	14	M1	Clark F. S.	20
N2	Century Mfg. Co.	7	S2	Clarks J. A.	16
N2	Ceres	7	M1	Class	20
J3	Cestrian	34	N2	Classic	7
D1	Challenge	16	N2	Clay's	7
N2	Challenge	7	N2	Clays Special	7
D1	Challenge	5	N2	Clayton	7
N2	Champion	5	N2	Cleancut	7
D2	Champion (Domestic)	6	M5	Clemens Müller Rotary	25
N2	Champion Barr's	7	M5	Clemens Müller TS	11
N2	Champion N. S.	7	M5	Clemens Müller TS Medium	3
	Champion O. S.	27	M5	Clemens Müller VS & class 15	13
S2	Champlain	16	S2	Cleveland	16
S2	Chandler	16		Cleveland	11
M1	Chaney	20	D1	Cleveland	5
N2	Chant & Co	7	M1	Cleveland	20
N2	Chant & Powell	7	S2	Cleveland, The	16
M1	Charm	20	M1	Cleveland Gem	20
N2	Charmer	7	N2	Clifford	7
M1	Charmount, La	20	N2	Clifton	7
N2	Charter Oak	7	N1	Climax	10
	Chase City	13	D1	Clinic	5
N2	Chase City	7	N1	Clipper	10
N2	Chatham	7		Clouer	20
D1	Chattanooga	5	M1	Clover Leaf	14
N1	Chautauqua	10	S2	Club, The	16
N2	Cheerful Moments	7	N2	Cockran	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N1	Coffee J. W.	10	N2	Conquest	6
N2	Cohn D.	7	N2	Conquest	7
N2	Cohn's	7	S2	Conshatter	16
S2	Cole	16	G1	Constitution	11
M1	Co-Lee	20	N2	Constitution	7
M1	Coles	20	G1	Constitution Atlanta	11
M1	Collers	20	N2	Continental	7
J3	Collier's No. 4	34	M1	Conway & Jordan	20
N2	Collins	7	S2	Cooley, The	16
S2	Colonial	16	M1	Cooper City	20
N1	Colonial	10	M1	Co-operative	20
N2	Colonial House	7	N2	Copeland	7
N2	Colonial Mfg. Co.	7		Cordova	13
S2	Colorado	16	S2	Corley, The	16
M1	Colquit	20	M1	Corn Belt, The	20
S2	Columbia	16	S2	Cornell	16
D1	Columbia	1	N2	Corner Stone	7
N2	Columbia	6		Cornett	5
N1	Columbia	10	D1	Corola	5
N2	Columbian	7		Corolla	6
N2	Columbian Rotns	7	M1	Corolla	20
S2	Columbine	16		Corona	5
S2	Columbus	16	N2	Coronado Rotary	8
D1	Columbus	5	D1	Coronell	5
N1	Columbus	10	D1	Coronet	5
M1	Columbus	20	S2	Coronet	16
M1	Columbus, The	20	N2	Corrara	7
N2	Columbus Rotary	8	F1	Correct	14
N2	Columbus Special	7	M1	Corrella	20
W5	Comanche	20	M1	Corrolla	20
M1	Combest	20	N1	Cosmo	10
	Comfort	13	N1	Cottage	10
M1	Comfort	5	N2	Cottage	7
M1	Comfort	20	N1	Cottage Queen	10
	Commerce	14	S2	Cotton	16
S2	Commercial	16	N2	Couilliard	7
D1	Commercial	5	M1	Countess	20
N2	Commercial	7		Country Side	13
M1	Commercial	7		Country Side	6
F1	Common Wealth	14		Courbert J. W.	14
D1	Commonwealth	5	N2	Courier	7
N2	Companion	7		Courier Journal	13
N2	Companion City	7	N2	Courier Journal	5
N2	Competition	7	N2	Courier Journal	6
N2	Comus	7	N2	Courier Journal	7
N2	Con Sew Rotary	7		Coy Bros.	13
M1	Concha	20	F1	Coyne	14
N2	Concordia	7	S2	Crawford	16
W5	Conley	20	D1	Crawford	5
S2	Conley	16		Crawford	6
N2	Connell's Leader	7	W5	Crawford	20
D1	Conover	1	S2	Creedmoor	16
M1	Conover	20	S2	Crescent	16
M1	Conover, The	20	D1	Crescent	5
N2	Conqueror	7	F1	Crescent	14

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N2	Crescent Rotary	8	N2	D'Amour	13
H1	Crippin	11	D1	Da Horn Sing	5
N2	Criterion	7	N2	Daffodil, The	7
W5	Croley J. T.	20	M1	Dahlichs	20
W5	Crooks Record	20			
W5	Crosby W. C.	20			
M1	Cross	20			
M1	Crown	4			
F1	Crown Jewell	13			
F1	Crown Jewell	5			
F1	Crown Jewell	14			
S2	Crusader	16			
M1	Cuba Libre	20			
S2	Crutchen C. M.	16			
S2	Cruse E.	16			
G1	Cubana	11			
M1	Culler WC	20			
S2	Culliman	16			
S2	Cullinanes	16			
D1	Cumberland	21			
	Cumberland	11			
D1	Cumberland	5			
	Cumberland	6			
M1	Currie	20			
	Curry	14			
	Curtis & Son	13			
M1	Cuyahoja	20			
G1	Czar	7			



### Champion Revolving Needle Case

For Keeping Sewing Machine Needles



N2	Dailey & Co.	7
S2	Dailey W. S.	16
N2	Daileys	7
S2	Daisey	16
D1	Daisey	5
G1	Daisey	6
M1	Daisy	11
D3	Daisy Chain Stitch	23
N2	Dallas	6
M1	Dallas	20
N2	Dallas Democrat	7
S2	Damascus	16
N2	Damascus	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N2	Damascus Rotary	8	N2	Defiance	7
G1	Dandy	11	S2	Delia	16
N1	Dandy	10	D1	Delight	5
G1	Dandy	7	F1	Delight	14
M1	Dania	20		Delmar	13
S2	Daniels	16	N2	Delmar	7
M1	Daniels	20	F1	Delta	14
N2	Danson	7	N2	Delta Rotary	8
N2	Darlington	7	N2	Deluxe	7
D1	Datonia	5	N2	Democrat	7
D7	Dauntless	11	N2	Demolay	7
N1	Dauntless	13	D5	Demorest	6
D7	Dauntless	12	D5	Demorest Chain Stitch (Automatic)	23
D7	Dauntless	6	N2	Dempsters	7
N1	Dauntless	10	N2	Den Danske Pioneer	7
N2	Dauphine	7	M1	Dennis	20
N2	Davenport	7	M1	Dennis & Co.	20
N2	Davidson	7	N2	Dennison	7
D1	Davies	5	M1	Dentz	20
D1	Davies Short	21	S2	Denver	16
W5	Davis	1	N2	Denver	7
D1	Davis	5	D1	Denver	5
W5	Davis	20	N2	Departure	7
D1	Davis A	5	S2	Dependable	16
M1	Davis A. J. & Son	20		Despatch	13
D1	Davis Long	5	N2	Despatch	5
D1	Davis Rotary	16	N2	Despatch	7
D1	Davis Vertical Feed #600000+	21	D1	Detonia	5
D1	Davis Vertical Feed early High Arm	5	N2	Detroit	7
D1	Davis Vibrator D, M, N	5	N2	Deveraux Frank	7
D1	Davis Vibrator E #550000 to #627000	5	N2	Devon	7
D1	Davis Vibrator ME, T	16	M1	Dewey	20
N2	Days	7	S2	Dewey, The	16
N2	Day's Special	7	N2	Dewitt	7
D1	Dayton	21		Diadem	14
D1	Dayton	5	D6	Diamond	11
D1	Daytonia	5	D6	Diamond	5
	Daytonia	14	D6	Diamond	6
M1	De Kahl	20	N2	Diamond	7
G1	De Lux	7	S2	Diamond D.	16
N2	De Morley	7	F1	Diamond Royal	14
N2	De Sola H. & Co.	7	N2	Diana	7
N2	De Soto	7	M1	Dickson	20
M1	Dean	20	M1	Dietzel	20
S2	Dean, The	16	M1	Dittenger	20
	Deane D. S.	14	N2	Ditzer	7
N2	Dearing	7	S2	Dixie	16
N2	Decatur	7	D1	Dixie	5
S2	Decatur, The	16	N2	Dixie	6
N2	Decora Special	7	F1	Dixie	14
N2	Decorah Posten	7	N2	Dixie Queen	7
	Decorate	14	N2	Dixie, The	7
	Defender	13	N2	Dixon	7
M1	Defender	20	M1	Dobbs	20
S2	Defiance	16	S2	Dodge & Watson	16
D1	Defiance	5	N2	Dodge Rotary	7

Company Code	Machine Name	Needle Code
N2	Dome Rotary	7
D2	Domestic Buffalo	21
D2	Domestic N. S.	6
D2	Domestic No. 4 & 8	6
D2	Domestic O. S.	12
G1	Domestic Old	7
D2	Domestic Rotary	21
F1	Dominion	13
N2	Dominion	7
W5	Donohue T.	20
N2	Dorcas	7
M1	Dormer	20
M1	Dorothea	20
M1	Dorsey	20
S2	Dosenuna	16
S2	Dotherow	16
F1	Doty	14
M1	Douglas	20
S2	Downes	16
M1	Downes	20
N2	Drake	7
N2	Dressmaker	5
N2	Dressmaker	7
S2	Dreus & Crens	16
M1	Driskell E. C.	20
N2	Droyer	7
N2	Droyer B	7
N2	Druid	7
N2	Duchess	6
N2	Duchess	7
S2	Dulitz C.	16
M1	Duncan	20
	Duncan & Greer	14
	Duncan Bros.	13
	Duncan Schell	14
S2	Dundee	16
	Dunham	11
D1	Dunham	5
M1	Dunklins	20
N2	Duplex	7
M1	Durant	20
M1	Durant Com. Co.	20
	Durham	13
	Durham	5
	Durham	14
H1	Durham	11
D9	Dürkopp Rotary	25
D9	Durkopp TS	15
D9	Durkopp VS & CB	13
N2	Duske Pioneer	7
M1	Duskell	20
N2	Dutchess	7
G1	Duval	7
G1	Duyer	7
	Dwyer B. L.I	13

Company Code	Machine Name	Needle Code
W5	E. B. Ball Bearing	20
N2	Eagle	7
G1	Eames	7
N2	Earl	7
S2	Eastaluchia	16
N2	Eastern	7
	Eastley & Hazeman	14
M1	Easy Rotary	20
N2	Eatonia	7
	Ebb lens Favorite	14
D1	Eclipse	5
N1	Eclipse	10
S8	Eclipse Family	15
E2	Eclipse No. 4	6
E2	Eclipse O. S.	11



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
W5	Economist	20	S2	Ellsa	16
S2	Economy	16	N2	Elma	7
N2	Economy	7	N2	Elmira	7
N1	Economy	10	F1	Elmo	14
S2	Economy Rotary	16	F1	Elmo	21
N2	Edgemere	7	S2	Elmore	16
G1	Edgemore	7	N2	Elro	7
S2	Edgewater	16	S2	Elsie	16
S2	Edgewood	16	N2	Elva	7
S2	Edison	16	N2	Elwess	7
G1	Edison AB	7	E4	Ely	5
S2	Edison Rotary	16	N2	Ely	7
S2	Edison,shorts	16	N1	Emblem	10
D1	Edwards	5	N2	Emerson	6
W5	Ehlert F. C.	20	N2	Emerson	7
S2	El Carreo	16	N2	Emma	7
M1	El Center	20	R1	Empire	11
N2	El Galto	7	N1	Empire	10
N2	El Genio	7	D1	Empire	5
N2	El Globo	7	N1	Empire New Style	10
M1	El Hagar	20	N1	Empire No. 3	10
M1	El Louvre	20	M1	Empire State	20
M1	El Parrae	20	G1	Emporium	7
S2	El Ralampage	16	J3	Empress	34
N2	Eld, The	7	F1	Empress	13
N2	Eldorado	7	D1	Empress	5
S2	Eldoro	16	S4	Empress	6
N2	Eldredge 2 spool	13	F1	Empress	14
N2	Eldredge A	15	S4	Empress O. S.	11
N2	Eldredge Automatic	23	N2	Endora	7
N2	Eldredge C, D, E	7	M1	Enfield	20
N2	Eldredge Rotary	8	N2	England	7
N2	Eldredge Special	7		Englehart	14
N2	Eldredge Vibrator	7	N2	Englewood	7
	Electric	11	N2	Enterprise	8
N1	Electric	10	N2	Envoy	7
N2	Electric City	7	N1	Epworth	10
	Electro	5	G1	Era Old	11
F1	Elgin	14	N2	Erie	7
F1	Elgin	13	N2	Ermine	7
F1	Elgin Rotary	22	M1	Erwin	20
F1	Elite	5	M1	Essex	20
N2	Elite	7	D1	Essex	5
F1	Elite	14	M1	Estell	20
M1	Elkins Bros.	20	E1	Estey	11
M1	Ellen's Favorite	20	E1	Estey	6
N2	Ellenhurst	7	N2	Estey	7
S2	Elliot	16		Estley & Hagerman	14
S2	Elliot J. F.	16	S2	Euclid	16
E3	Elliptic	29	W5	Euclid	20
N2	Elliptic	7	N2	Eudora	7
G1	Ellis	7	N1	Eureka	13
S2	Ellis B.	16	N1	Eureka	10
G1	Ellis B.	6	N2	Evans	7
G1	Ellis B.	7	G1	Ever Ready	7
W5	Ellis Store Co.	20	S2	Everybodys	16

Company Code	Machine Name	Needle Code
S2	Excellent	16
N2	Excellent	7
F1	Excello	14
N2	Excelsior	7
S2	Excelsior	16
D1	Excelsior	5
N1	Excelsior	10
E5	Excelsior O. S.	11
N2	Expert	7

Company Code	Machine Name	Needle Code
F1	Falls City	14
N1	Family Favorite	10
N2	Family Friend	7
N2	Family Grand	7
N2	Family Jewel	7
N2	Family Pride	7
S2	Family Queen	16
S2	Famous	16
N2	Famous	7
N2	Farm & Ranch	7
N2	Farmers Alliance	7
M1	Farmers Bride	20
M1	Farmers Friend	20
N2	Farmers Guide	7
M1	Farmers Rotary	21
N2	Farmers Union	7
S2	Fashion	16
	Fashion	11
D1	Fashion	5
F1	Fashion	21
	Fault Imp.	14
S2	Faultless	16
N2	Faultless	7
S2	Favorite	16
D1	Favorite	5
N1	Favorite	10
H1	Feather	11
M1	Ferguson	20
S2	Ferris	16
M1	Fessinger	20
M1	Fidelity	20
M1	Fields	20
G1	Fife	6
G1	Films Favorite	7
W5	Fingers	20
M1	Finkle & Lyon	20
W5	Finklestein	20
D1	Fireside	5
	Fireside	6
N1	Fireside	10
S2	Fischer	16
N1	Fischer	10
W5	Fisk	20
S2	Fitche	16
M1	Fitzgerald	20
J3	F J Cock Family CS	34
S2	Flag	16
N2	Fletcher	7
M1	Flint	20
N2	Florals	7
	Florecente	14
M1	Florence	4
F2	Florence	30
F2	Florence N. S. Industrial	5
F2	Florence O. S. Industrial	3
M1	Florence Rotary	21



D1	Fair	5
M1	Fair, The	20
D1	Fairbanks	5
F3	Fairbanks O. S.	27
	Fairfield	13
S2	Fairley	16
N2	Fairview	7
	Fairy	13
N2	Fairy	7
N2	Fairy Queen	7
H1	Faithful Friend	11
N1	Falcon	10
S2	Falls City	16
F1	Falls City	5

Company Code	Machine Name	Needle Code
M1	Florence Vib.	20
N2	Florida	7
S2	Flyer, The	16
S2	Foereste	16
G1	Foley & Williams	11
G1	Foley & Williams	20
N2	Foleys Vindex	7
F5	Folsom	27
M1	Forbes Best	20
S2	Forbes S. G.	16
N2	Ford	7
M1	Forman D. H.	20
M1	Forward	20
G1	Foster	7
D1	Fountain	5
	Fourneys Star	14
N2	Fram A.	7
M1	Francis	20
N2	Francis Willard	7
W5	Franklin	21
N2	Franklin, The	7
F1	Free	13
S2	Free Press	16
F1	Free Rotary	22
S2	Free Silver	16
F1	Free, The	13
F1	Free Westinghouse	13
F1	Free Westinghouse Rotary	22
F1	Free William C.	13
F1	Free William C.	14
N2	French Hitchcock	7
W5	Fricke	20
N2	Friday	7
F6	Frister & Rossmann Medium	3
F6	Frister & Rossmann Rotary	25
F6	Frister & Rossmann TS	15
F6	Frister & Rossmann VS & CB	13
F1	Frontier	14
N2	Fulga Bros.	7
N2	Full Dinner Pail	7
N2	Fuller	7
M1	Fullmer	20
M1	Fullmer J. A.	20
D1	Fulton	5
N2	Fulton	7
S2	Furlick	16
S2	Furs	16

Company Code	Machine Name	Needle Code
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M1	Gable	20
N1	Gables	10
N1	Gail	10
D1	Gail	5
N2	Gainsborough	7
N2	Galloway	7
H3	Gamages (Haid & Neu)	13
N2	Gamoriel	7
N2	Ganda	7
N2	Gannon	7
N2	Garden City	7
D1	Garden City	5
G4	Gardner	12
G4	Gardner	6



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
G4	Gardner	27	N2	Globe	7
M1	Gardner Queen	20	N2	Globela	7
M1	Gariey	20	M1	Glorioso	20
S2	Garland	16	N2	Gold City	7
N1	Garland	10	N2	Gold Dust	5
W5	Garlington J. S.	20	N2	Gold Dust	7
	Garoms	14	D1	Gold Hibbard	5
M1	Garrens	20	J1	Gold Medal	15
	Garvey	14	F1	Gold Medal	13
M1	Garvin	20	N2	Gold Medal	7
M1	Garvin M. T.	20	N2	Gold Medal Rotary	13
M1	Garvis	20	M1	Goldberg	20
M1	Gary	20	N2	Golden City	7
G5	Gates	12	N2	Golden Eagle	7
G5	Gates	6	M1	Golden Giant	20
G5	Gates	27	D1	Golden Rule	13
N2	Gaucha	7	M1	Golden Star	20
N2	Gauger	7	N2	Golden West	7
N2	Gayiety	7	G1	Goldenrod	7
N2	Gaylor	7	F1	Goldsmith	14
N2	Gayoso	7	N2	Good Luck	7
G1	Gazelle	11	M1	Goodman	20
W5	Gem	20	M1	Goodness	20
F1	Gem	13	M1	Goodnuf	20
N2	Gem City	7	G1	Goodrich N. S.	7
S2	General Electric (Sewhandy)	22	G1	Goodrich O. S.	11
N2	Genesee	7	M1	Goodson	20
S2	Genesee	16	G1	Goodyear	7
D1	Georgia	5	M1	Gores Best	20
M1	Gerald	20	M1	Gorman Bros.	20
	Germania	15	N2	Goshen	7
G1	Germania	11	M1	Gosnells	20
N2	Germania	7	N2	Gospel Advocate	7
	Gerringer	14	S2	Gospel News	16
	Gertrude	14	S2	Goss & Wake	16
N2	Gibbon	7		Goss & Wake	14
N2	Gibbon Co.	7	S2	Gossett	16
S2	Gignilliat	16	S2	Gourlay	16
M1	Gilbert Queen	20	N1	Governor	10
N2	Gillespie	7	S2	Gracie	16
S2	Gimbel	16	N2	Graciosa	7
D1	Gimbel	5	G1	Graham	11
M1	Gimbel	20		Grail	5
S2	Gimbel Brothers	16	N2	Granada, The Stores	7
N2	Gimbel Special	7		Grand	15
	Ginsburg	11	G1	Grand	11
F1	Girard	14	N2	Grand	7
M1	Gladiator	20	D1	Grand	5
D1	Gladiator	5	M1	Grand Bazaar	20
N2	Glasser	7	G1	Grand Bulletin	11
	Gleanor	14	N2	Grand Bulletin	7
N2	Glen Oak	7	S2	Grand Leader	16
M1	Glenn	20	N2	Grand Pacific	7
	Glenn & Christian	14	S2	Grand Union	16
M1	Glenwood	20	D1	Grand Union	5
D1	Globe	16	N2	Grand Union	7

Company Code	Machine Name	Needle Code
N2	Grange	7
	Granger	5
S2	Granite State	16
G1	Granore	7
S2	Grant	16
M1	Grass	20
	Gray & Dudley	27
N2	Graybar	7
N2	Graybar Rotary	8
W5	Grayums	20
G1	Great Northern	7
M1	Greeg	20
	Greeman	11
W5	Green	20
	Green Ella	14
M1	Grenada	20
M1	Gretchen	20
N1	Greyhound	10
F1	Greyhound	22
N1	Greyhound	13
N2	Griffin	7
N2	Griffith	7
G6	Grimme Natalis Medium	3
G6	Grimme Natalis TS	15
G6	Grimme Natalis class 15	13
G7	Gritzner Medium	3
G7	Gritzner Rotary	25
G7	Gritzner TS	15
G7	Gritzner VS & class 15	13
M1	Gross	20
G2	Grover & Baker (straight flat shank)	32
G2	Grover & Baker (straight round shank)	11
G2	Grover & Baker (straight round shank)	3
G2	Grover & Baker curved	31
M1	Gruene	20
M1	Gruene H. D.	20
M1	Guarantee	20
F1	Guard	13
S2	Guernsey	16
S2	Guernsey J. W.	16
M1	Guggenheimer & Cohn	20
G8	Guhl & Harbeck Normannia CB	25
G8	Guhl & Harbeck Normannia VS, Rotary	13
G8	Guhl & Harbeck Original Express	23
G8	Guhl & Harbeck Progress VS	27
G8	Guhl & Harbeck Saxonia TS	15
F1	Guide	13
F1	Guide	14
F1	Gulf City	14
D1	Gulf Queen	5
M1	Gunnell W. M.	20
M1	Guthrie	20
M1	Guthrie & Bradley Co.	20
N2	Guyler	7
N2	Gypsy	7

Company Code	Machine Name	Needle Code
N2	Hacketo Beauty	7
N2	Hackett	7
N2	Hackett's Beauty	7
M1	Hadda	20
S2	Hagma	16
H3	Haid & Neu CB	13
H3	Haid & Neu Gloriosa	6
H3	Haid & Neu Humboldt	27
H3	Haid & Neu Rotary	25
H3	Haid & Neu TS	15
H3	Haid & Neu TS Medium	3
H3	Haid & Neu VS	13
G1	Haines N. S.	7
G1	Haines O. S.	5
D1	Halcyon	5
N2	Hale	7
D1	Hales Special	5
M1	Hall	20
	Hall & Hawkins	14
	Hall & Lyson	14



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	Hall's Favorite	20	N2	Hearthstone	11
N2	Halls, The	7	N2	Hearthstone	7
S2	Hamilton	16	N2	Helping Hand	7
G1	Hamilton	7	W9	Helpmate	6
D1	Hamilton	5	M1	Helpmuth	20
M1	Hammond	20	M1	Helsingfors	20
M1	Hampton	20	S2	Hemingways	16
N2	Hancock	7	S2	Henderson	16
N2	Handy	7	D1	Henderson B	5
N2	Handy Sewer	7		Henderson Bros. Co.	14
D1	Hanover B	5		Henderson, Raney & Hill	14
	Hansom	14	M1	Henegor	20
	Hapgood	13	D1	Henrietta	21
G1	Hapgood	7	D1	Henrietta	5
N2	Happy Hearts	11		Henrietta	6
N2	Happy Hearts	7	W5	Henry	20
N1	Happy Home	13	S2	Henwood	16
N1	Happy Home	10	W5	Hepperle H.	20
S2	Hardine Bros.	16	F1	Herald	14
M1	Hardis	20	N2	Hercules	7
M1	Hardis & Arthur	20	M1	Herder Merc. Co.	20
M1	Hardison Fowler & Co.	20	M1	Herman G.	20
S2	Hardy	16	N2	Hermitage	7
W5	Hargis	20	M1	Herrick	20
S2	Harlam	16	M1	Herrington	20
	Harlem	14		Hespler	27
N2	Harold	7	S2	Hexagon	16
N2	Harper	7	M1	Heydes Star	20
	Harrington	14		Heyer, The	14
	Harris	13	N2	Hiawatha	7
	Harris	14	N2	Hibbard	7
J3	Harris E	34		Hibbard	5
	Harris W. S.	14	N2	Hickory	7
N2	Harrison	7	M1	Hicks	20
J3	Harrodia CS	34	M1	Higginbothan	20
M1	Hart S. G. & Co.	20	M1	High Arm Family	20
W2	Hartford	11	W13	High Arm Philadelphia	16
N2	Hartin	7	W13	High Arm Philadelphia	4
S2	Hartman	16	N2	High Arm Singer	7
N2	Hartman	7	N2	High Arm Victoria	7
S2	Hartmere	16	N2	Hightburg	7
M1	Harvard	20	S2	Hillman	16
D1	Harvard	5	G1	Hills	9
M1	Harvester	20	F1	Hilton	13
N2	Harvey	7	S2	Hines	16
N2	Harvey, The	7	N2	Hines, The	7
S2	Haserot	16	N2	Hitchcock French	7
M1	Haskett	20	S2	Hoddes	16
	Hattie	13	S2	Hoddes Bros.	16
G1	Hawkeye	7	S2	Hoffmann	16
F1	Hayden	7	W5	Hoffmann	20
	Hayine	13		Holcombe & Lane	13
M1	Hazard	20	M1	Holden & Stone	20
N2	Hazel	7	F1	Holiday	14
N2	Hde, Sol & Co.	7	M1	Holland	20
	Head Leader	11	N2	Holman	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
W5	Holmes	20	H2	Howe G	11
S2	Homan	16	H2	Howe G. Latest	10
S2	Home	16	S2	Howe Imp.	16
D1	Home	5	M1	Howe Modern	20
N2	Home & Farm	7	S2	Howe Rotary	16
N2	Home & Farm Imp.	5	N1	Hudgkins	10
N2	Home Circle	7	N1	Hudson	10
N2	Home Comfort	7	S2	Hudson	16
N2	Home Favorite	7	N2	Hues M. Guerro	7
	Home Imp.	5	S2	Hughes	16
F1	Home Journal	14	S2	Hull & Dutton	16
	Home Leader	13	N2	Hulse	7
N2	Home Leader	7	M1	Hummer	20
J1	Home O. S.	15	L5	Hunt & Webster	27
N2	Home Pride	7	F1	Huntington	14
	Home Queen	11	M1	Husband & Patrandry	20
J1	Home Shuttle	27	N2	Husvennen	7
N2	Homer	7		Hutchinson	13
	Homestead	11	S2	Hyman	16
F1	Homestead	14			
N2	Homestead Rotary	7			
G1	Homewood	9			
	Homus	14			
	Honey Ent.	14			
D1	Honeymoon	5			
	Honeymoon	14			
G1	Honor Bright	9			
M1	Hooker	20			
M1	Hoover	20			
M1	Hoover Commerical Co.	20			
N2	Hospodor	7			
N2	Hot Kutter	7			
S2	Houghton	16			
N2	House Wife	11			
H1	Household	11			
F1	Household Leader	14			
F1	Household Pride	14			
N2	Household Queen	5			
N2	Household Queen	7			
N2	Housemaid	7			
M1	Houseman	20			
N1	Housemate	10			
S2	Housemate	16			
N2	Housewife	7			
S2	Houston	16	N2	I.X.L.	7
	Houston	11	N2	Idaha	7
M1	Houston Bros.	20		Idalia	14
	Houston County	14	N2	Idea	7
G1	Houston Post No. 1	11	W5	Ideal	20
G1	Houston Post No. 2	7		Imogene	14
N2	Howard	7	N1	Imperial	10
	Howard	5		Imperial (old)	11
H2	Howe A, C, D, F	1	N2	Imperial Columbian	7
H2	Howe A. B.	27	C2	Imperial High Arm	14
H2	Howe Elias	27	S2	Imperial Howe	16



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	Improved Beacon	20	F1	Jackson	14
N2	Improved Belvidere	7		Jackson Clayton Hdw. Co.	14
F1	Improved Chatauqua	14	S2	James	16
F1	Improved Columbian	13	S2	Jamison	16
N2	Improved Eldredge B	7	S2	Jasper	16
N2	Improved Faultless	7	M1	Jathis A. Spec.	20
S2	Improved Howe	16	N2	Jefferson	7
N2	Improved Melville	7	S2	Jeffreys, Own	16
G1	Improved Model	9	M1	Jeidel J.	20
N2	Improved National	7	N2	Jennie June	11
	Improved New Champion	5	N1	Jennings	10
N2	Improved New Cottage	7	N2	Jens O. H.	7
L1	Improved New Leader	14	J2	Jewel	27
F1	Improved New Royal	13	D1	Jewell	21
N2	Improved Nirvana	7	D1	Jewell	5
N2	Improved Nonpareil	7		Jewell	6
F1	Improved Royal	14	M1	Jewell	20
N2	Improved Seamstress	7	M1	Joeckel & Johnson	20
N2	Improved Southern	7	M1	Joekel, W. H.	20
M1	Improved Spokane	20	M1	Johnson	20
M1	Improved Tripp	20	M1	Johnson & Hill	20
	Independent	13	S2	Joli	16
N2	Index	11		Jonas Long's Sons	14
D1	Index	5	S2	Jones	16
N2	Index	7	M1	Jones	20
D1	Indiana	5	J3	Jones 35 & D53	13
N2	Indiana Farmer	7	J3	Jones CB	13
M1	Industrious Hen	20	J3	Jones CS E	34
M1	Ingle, S. E. Spec.	20	J3	Jones Empress	34
	Innovation	14	J3	Jones Family CS	34
N2	Inter Ocean	7	J3	Jones Hand	27
N1	International	13	J3	Jones New Family	13
N1	International	10	J3	Jones Popular	34
N2	Invader	7	J3	Jones Spool	34
S2	Invincible	16	J3	Jones TS Family	11
	Invincible	14	J3	Jones TS Medium	3
N2	Ioma	7		Joswick	20
	Ionia	14	W5	Journal	13
A1	Iowa No. 1	5	N2	Journal	5
N2	Iowa No. 1	7	N2	Journal	6
A1	Iowa No. 2	11	N2	Journal	7
D1	Iowa No. 2	5	N2	Journal of Agriculture	11
A1	Iowa No. 3	11		Jousines	14
N2	Iowa No. 3	7	M1	Judel Bros.	20
S2	Iowa No. 4	16	N2	June High Arm	11
A1	Iowa No. 4	5	J4	Junker & Ruh Rhenania	27
N2	Iowa Queen	7	J4	Junker & Ruh TS	15
F1	Iron	14	J4	Junker & Ruh VS & class 15	13
M1	Iver Johnson	20			
M1	Iver, The	20			



	K. & K. Co.	14
	K. C. C.	14
M1	Kaczer, B. & Co.	20

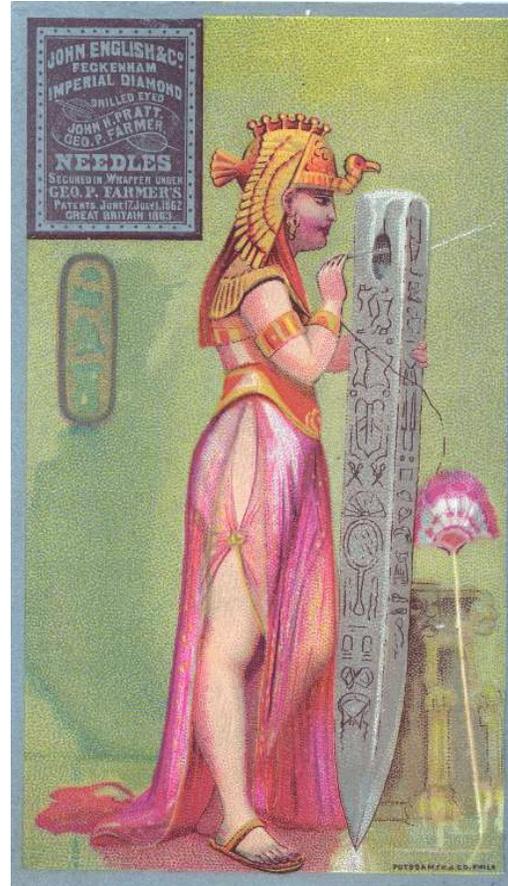
Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
S2	Kahns Pride	16	D1	King Cotton	5
S2	Kamp Bros.	16	N2	King Ford	7
M1	Kane Special	20	N2	King Land	7
G1	Kanokla	7	S2	King Rotary	16
M1	Kansas	20	G1	Kingsford	9
D1	Kansas City	5	N2	Kingston	7
N2	Kansas Farmer	7		Kinney's Store	14
F1	Kantauk	14	N2	Kion Chong Son & Co.	7
K4	Kayser TS	15	N2	Kion San Son & Co.	7
K4	Kayser TS Medium	3	M1	Kipp John K.	20
K4	Kayser VS & class 15	13	M1	Kirby	11
F1	Keech	14	M1	Kirby	20
W5	Keesling	20	M1	Kirk	20
M1	Keiser	20	S2	Kirkcaldies	16
	Keller & Ellison	14	M1	Kirkman, W. L. & Co.	20
M1	Kellers	20	M1	Kirkpatrick L. D.	20
M1	Kellers Special	20	G1	Kirkwood	9
D1	Kelly	5	M1	Klans Special	20
J3	Kenbar, The (Family CS)	34	M1	Klein	20
	Kendrick	11	M1	Klein, Otto & Co.	20
D1	Kendrick	5	M1	Klotes Star	20
M1	Kendrick	20	F1	Knickerbocker	5
M1	Kendrick Special	20	F1	Knickerbocker	14
S2	Kenmore	16	M1	Kniffens Spec.	20
M1	Kennedy	20	M1	Knight	20
	Kensington	13	F1	Knox	14
N2	Kensington	7	K7	Köhler TS	15
M1	Kensley	20	K7	Köhler TS Medium	3
M1	Kensley Special	20	K7	Köhler VS & class 15	13
M1	Kent	20	N2	Krafts Gem	7
G1	Kent	9		Kragers	14
D1	Kenton	5	M1	Kreas	20
N2	Kentucky	7	N2	Kreigers	7
S2	Kentucky	16	N2	Kroegers	7
N2	Kentucky Gem	7	K3	Kruse Automatic	23
N2	Kentucky Queen	7	M1	Kuehler	20
S2	Kenwood	16	M1	Kvenig Pride	20
N2	Kenwood	7	N1	Kvinder-oz Hjemmet	10
N2	Kenwood Rotary	8			
S2	Kenyon M. S.	16			
M1	Kerris Special	20			
K1	Keystone	11			
K1	Keystone	5			
M1	Keystone	20			
K1	Keystone (old)	1			
J3	Kildare Family CS	34			
M1	Kilgore	20			
K8	Kimball & Morton Family TS	15			
K8	Kimball & Morton Medium TS	11			
M1	Kimble	20			
M1	Kinerys Star	20			
S2	King	16			
K2	King	11			
N2	King	7			
F1	King Bee	14			



L'Homadieu	6
L'Homadieu Spec.	14
L'Hommedieu	14

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
	L. & S. Special	6	L5	Ladd & Webster	27
M1	La Argentine	20	N2	Ladies Comfort	7
S2	La Aurora	16	S2	Ladies Favorite	16
N2	La Belle	7	N2	Ladies Friend	5
N2	La Belle Special	7	N2	Ladies Friend	7
N2	La Boila Cinfuega	7	D1	Lady Baltimore	5
M1	La Borda	20	N2	Lady Fayre	7
D1	La Canadian	5	N2	Lady Gay	7
S2	La Capoise	16	M1	Lafayette	20
M1	La Charmont	20		Laidlaw	13
M1	La Compedora	20	M1	Lake	20
N2	La Competida	7	N2	Lakeshore	7
S2	La Costrera	16	M1	Lakeside	20
S2	La Dalescieura	16	F1	Lakeside	13
N2	La Ecquador	7	D1	Lakeview	5
N2	La Ecquodorator	7	G1	Lakewood	9
N2	La Estrella	7	M1	Lancaster	20
N2	La Favorite	7	S2	Lancaster	16
N2	La Frontora	7	M1	Landrys	20
N2	La Garalda	7	M1	Lanford	20
N2	La Ideal	7	G1	Langs	9
N2	La India	7	M1	Lanham	20
N2	La International	7	M1	Lanston & Fugnay	20
N1	La Joya-del-Hager	10	M1	Lashley J. W.	20
N2	La Ludo	7		Latest, The	13
N2	La Manabela	7	M1	Laubucks	20
	La Maravilla	14	F1	Laurel	14
N2	La Mexicana	7	F1	Laurence	14
G1	La Moderna	9	D1	Laval	5
N2	La Nacional	7	M1	Laverty	20
N2	La Novedades	7	F1	Lavina	14
N2	La Nuevadades	7	M1	Law	20
S2	La Opera	16	D1	Lawfer	5
N2	La Palma	7		Lawlor	15
M1	La Perfection	20	N2	Leader	7
M1	La Perla	20	L1	Leader (old)	11
N2	La Perla-la-Casa	7	M1	Leavell T. S. Spec.	20
M1	La Platta	20	L3	Leavitt	11
M1	La Princesa	20	S2	Lechler	16
N2	La Pueblo	7	N2	Leigh & Crawford	7
	La Rainha	14	M1	Leinburg	20
M1	La Reina	21	M1	Leiss	20
N2	La Saporita	7	F1	Leland	14
N2	La Sin Bomb	7	M1	Lemburg	20
N2	La Sin-Rival	7	G1	Lenhart	9
N2	La Soporeso Pueblo	7	N2	Lenington	7
N2	La Tarapaco	7	N2	Lenox, The	7
S2	La Ultima	16	M1	Leopold Loeb	20
S2	La Valcedora	16		Leslie	13
N2	La Ver Cost	7	L2	Leslie (old)	24
	La Victoriosa	14	N2	Leslie, The	7
N2	La Viebriosa	7	N2	Lessing	13
N2	LaSalle Rotary	8	W5	Levy Bros. Spec.	20
M1	Lacey	20	S2	Levys	16
	Lachler	13	S2	Levy's Pride	16
N2	Laclede	7	S2	Lexington	16

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
D1	Lexington	5	W5	Lowman	20
M1	Lexington	20		Lownsburg	14
D1	Liberty	5		Loytions	14
N2	Liberty	7	N2	Lozier	7
N2	Liberty Bell	7	N2	Lucas	7
F1	Liberty Bell	13	M1	Luce, C. M. & Co.	20
M1	Lightfoot Special	20	N2	Lucille	7
M1	Lillard & Johnson	20	M1	Lula	20
M1	Lillard's Special	20	M1	Lyle	20
F1	Limited	14	L6	Lyon	15
N2	Lincoln	7			
N2	Lindel	7			
S2	Lindenheim	16			
S2	Lindheim	16			
N2	Lion	7			
N2	Little Gem	7			
N1	Little Worker	10			
G1	Livestock	9			
N2	Livingstone	11			
N2	Livingstone	7			
S2	Locke	16			
L8	Lockman	27			
L8	Lockman	24			
L8	Lockman Chain Stitch	23			
M1	Loeb	16			
D1	Loeser	5			
M1	Loewenstein	20			
N2	Logans Rotary	7			
M1	Lomax	20			
N2	Lonard	7			
	London	13			
F1	Lone Star Co	14			
S2	Long	16			
N2	Long	7			
	Long & Jones S. M.	14			
	Long Bros.	14			
	Long, J. L. Best	14			
M1	Longin	20			
S2	Longs	16			
N2	Lonke's Special	7			
N2	Lorena	7			
D1	Loretta	5	N2	M. & W. after 1901	9
N2	Loretta	7	N2	M. & W. pre. 1901	11
S2	Lotions	16	G1	Mab	9
S2	Lottie	16	M1	Mable	20
N2	Louise	7	D1	Macey R. R. Red Star	5
F1	Louisiana	14	M1	Macon	20
L4	Love	11		Macy Special	11
L4	Love	12		Macy Special	6
L4	Love	6	N1	Macy Special	10
	Loveman	13	N2	Macys Rotary	8
M1	Lowe	20	N2	Macys VS	7
M1	Lowe & Troxal	20	M1	Maddox	20
W5	Lowenburg, G. & Co.	20	N2	Madison	7

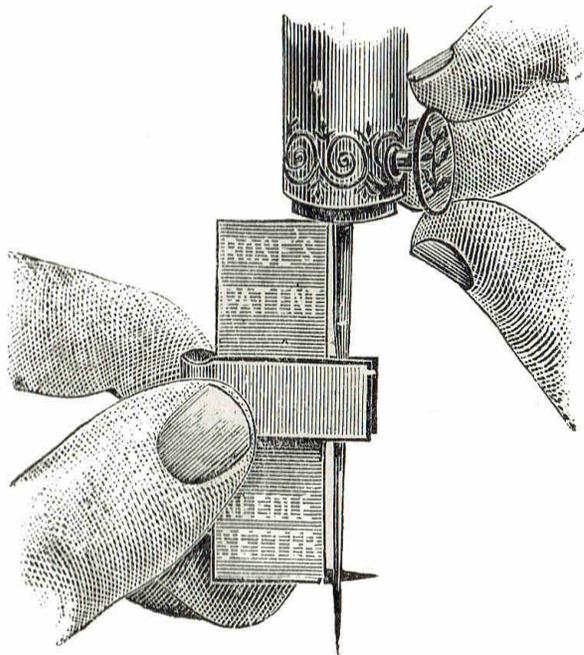
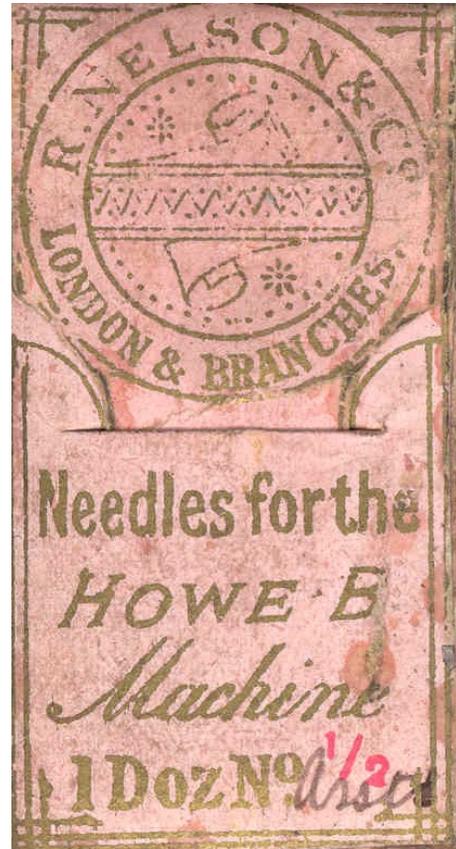


Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
S2	Madison	16	N2	Martin	7
M1	Magnet	20	J3	Martlet Family CS	34
S2	Magnolia	16	N2	Marvel	5
N2	Magnolia	7	N2	Marvel	7
	Mahon's Special	14	S2	Marvel	16
N2	Mail & Breeze	7	N2	Maryland	7
S2	Maine	16		Mascot	11
	Majestic	5	N1	Mascot	10
N2	Majestic	6	M1	Mason	20
N1	Majestic	10	M1	Mason Rotary	21
W5	Majestic	21	M1	Mason Special	21
N2	Majestic Rotary	8	M1	Masonia	5
G1	Major	9	M1	Masonia	20
M1	Malba	20	S2	Master	16
	Malcom & Brewer	23	N2	Master	7
W5	Malta	20	S2	Master, The	16
N2	Maltnomer	7	S2	Matchless	16
G1	Manchester	5		Matchless	11
G1	Manchester	9	M1	Matchless	9
N2	Mandels	7	D1	Matchless	5
N2	Mandels Spec.	7	D1	Mathews	5
	Mandon	27		Mathews	14
N2	Manfield	7	N2	Matron, The	7
S2	Manhattan	16	D1	Maud	5
M2	Manhattan	6	W5	Maxfield	20
N2	Manhattan	7	G1	May Queen	9
D1	Manhattan (old)	5	M1	Mayfield	20
	Manilla	13	M1	Mayfield, F. H.	20
N2	Manilla	5	G1	Mayflower	9
N2	Manilla	8	G1	Maywood	11
S2	Manix	16	N2	Maywood	7
M1	Manlove	20	D1	McAlpin	5
	Manning	1	N2	McAnish	7
	Manning	27	S2	McCormick	16
	Manning	14	W5	McCurdys Queen	20
F1	Mansfield	14	M1	McDaniel & Miser	20
F1	Mansfield, H. & F. Co.	14	S2	McDonald	16
N2	Mansion	8	M1	McDonald	20
D1	Mansion	5	N2	McDowell	7
D1	Mansion	13	M1	McGill	20
S2	Maple Leaf	16	M1	McGraths Spec.	20
D1	Marathon	5	M1	McKay	20
M1	Marchena J. & Gray	20		McKee, The	6
	Marcy	6	M1	McKinley	20
	Marcy Special	6	N2	McKissok	7
S2	Margarita	16	M1	McLains Best	20
H1	Marguerite	11	M3	McLean & Bennor	23
	Marlin	14	M3	McLean & Hooper	23
N1	Mars	10	M1	McMeans Bride	20
W5	Marse	20	M1	McMeans Pride	21
M1	Marshall	20	M1	McMillen	20
S2	Marshall Field	16	M1	McNeil, W. P. & Co.	20
N2	Marshall-Wells	7	M1	McWilliams & Co.	20
N2	Marswells Rotary	8		Medon	15
M1	Martha	20		Medon	27
F1	Martin	13	N2	Meldrum	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N2	Meller	7	N2	Mission	7
N2	Meller	11	N2	Missouri	7
M4	Melone	11	M1	Mitchell	20
M4	Melone	12	S2	Mitchell	16
N2	Melrose	7	M1	Mitchell's Queen	20
N2	Melville	7	S2	Moberly	16
M1	Menelee	20	S2	Moberly Mer. Co.	16
S2	Menough	16	S2	Moberly Merc. Co.	16
M1	Merchant & Ellison	20	D1	Mobile	13
G1	Mercury	9	G1	Model	9
S2	Meridian	16	N2	Model A Rotary	8
	Meridian	14	M1	Model Queen	20
F1	Merrell	14	S2	Model Sewer	16
S2	Merrick	16	D1	Modern	5
N1	Meteor	10	M1	Modern	20
S2	Metropolis	16	M1	Modern Howe	20
N2	Metropolitan	7	M1	Modern Wilson	20
M1	Meyer	20	G1	Modern Woodsman	11
	Meyer & Neville	14	N2	Modes	7
	Meyers Best	14	F1	Modiste	13
N1	Michigan	10	W5	Moerbe	20
D1	Michigan Farmer	21	N2	Mohawk	7
D1	Michigan Farmer	5	N2	Momus	7
	Midland	13	D1	Monarch	21
N2	Midland	6	D1	Monarch	5
N2	Midland	7		Monarch	6
S2	Millard	16	N1	Monarch	10
	Miller	14	S2	Mondy's Favorite	16
S2	Miller	16	S2	Money King	16
S2	Miller & McKay	16	D1	Monitor	21
	Miller & Terrell	14	D1	Monitor	5
N2	Miller & Wentworth	7	S3	Monitor	6
	Miller Bros. Cooper	14	N2	Monitor	7
	Millers Star	14	D1	Monroe	16
M1	Milligans Cash	20	D1	Monroe	5
F1	Milton	13	S2	Montgomery	16
F1	Milwauka	13	G1	Montgomery Ward	11
G1	Milwauka	9	N2	Montgomery Ward O.S. before 1901	11
N2	Milwaukee No. 1	7	N2	Montgomery Ward N.S. after 1901	7
N2	Milwaukee No. 2	8		Moon, M. Spec.	14
M1	Mine Door	20	M1	Moore & Gilbert, Spec.	20
M1	Miner	20	M1	Moores	20
S2	Minerva	16	M1	Morgan	20
S2	Minges	16		Morgan Weaver Co.	14
S2	Minneapolis	16	M1	Morley	20
N2	Minneapolis	7	M1	Morris	20
S2	Minnehaha	16		Morris Slaton Co.	14
N2	Minnehaha Rotary	8	M1	Morrison	20
S2	Minnesota	16	F1	Morse	14
D1	Minnesota	13		Morton's Best	14
W5	Minnesota E	21	J3	Morton's Family CS	34
S2	Minnesota H	16	M1	Mosby	20
N1	Minnesota No. 1	10	M1	Mosby, E. S. Spec.	20
D1	Minnesota No. 2	5	M1	Moss	20
D1	Minnesota No. 3	5		Mowton Bros.	13
S2	Mirror & Farmer	16	M1	Moyer Spec.	20

Company Code	Machine Name	Needle Code
M1	Moyles Spec.	20
M1	Mt. Calm	20
M1	Mt. Calm Mer. Co.	20
M1	Mulcock, James K.	20
	Mullen & Owen	14
D1	Mullins	5
D2	Mund	12
D2	Mund	6
M6	Mundlos VS	13
M6	Mundlos class 15	25
N2	Mundo de Colon	7
M1	Munn	20
M1	Munroe	20
S2	Murphys	16
M1	Murray	20
S2	Muskingdom	16
G1	Muskoka	7
N2	Mussina	7
S2	My Own	16
M1	My Own	20
M1	Myers	20
S2	Myers J. P.	16
	Myron & Lifson	14
G1	Myrtle	9

Company Code	Machine Name	Needle Code
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	N. & B. Spec.	14
	N. E.	14
D1	Nabob	5
N2	Nacional	7
D1	Namson	5
M1	Namson	20
M1	Nance	20
S2	Napier	16
G1	Nashville	9
S2	Nation's Pride	16
	Nation's Pride	14
N2	National	7
N2	National Automatic	23
N2	National Baptistiec	7
N2	National Rotary	8
N2	National S. M. Co.	7
N2	National Supply Co.	7
S7	Naumann Rotary	25
S7	Naumann TS	15
S7	Naumann VS & class 15	13
N2	Naura India	7
D1	Navarre	5
M1	Naylor's Spec.	20
	Nebraska Farmer	14
M1	Neely & Copeland	20
N2	Nellie	7
N1	Nelson	10

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
J3	Nelson's Family CS	34	M1	New Crown	20
N2	Nesbit Spec.	7	M1	New Daisey	20
D1	Netzon	21	M1	New Dallas	20
D1	Netzon	5	M1	New Damascus	20
D1	Netzow	21	S2	New Dandy	16
D1	Netzow	5	D1	New Davis	5
N1	Neura Nacional	10	N2	New Decatur	7
	Neuva Mexicano	13	N2	New Departure	7
S2	Neversuch	16	N2	New Devon	7
M1	Neville	20	D1	New Dixie	5
W5	New A. Bach	20	W5	New Domestic	20
D1	New Acme	5	D2	New Domestic	6
S2	New Acme	16	N2	New Easy Running	7
	New Age	14	M1	New Elgin	20
N2	New Albany	7	N2	New Elmore	7
N2	New Ally	7	N2	New Empire	7
D1	New American	5	N2	New Empress	7
N2	New American Lichlador	7	D1	New England	5
A1	New American No. 12	1	N2	New England Queen	7
A1	New American No. 7	2	N2	New England Rotary	8
A1	New American No. 9	13	N2	New Equity	7
N2	New Ane	7	N2	New Era	7
S2	New Arlington	16	M1	New Ermine	20
S2	New Atlas	16	M1	New Family	20
F1	New Automatic	13	N1	New Family Grand	10
F1	New Avery	13	D1	New Favorite	5
N2	New Avon	7	G1	New Fife	9
W5	New Bach	20	D1	New Fireside	5
D1	New Baldwin	5	N2	New Fireside	7
D1	New Bartlett	5	M1	New Florence	20
N2	New Bartlett	7	M1	New Florence Rotary	21
	New Beacon	5	N2	New Galveston	7
S2	New Belle	16	N2	New Gillespie	7
N2	New Belle	7	G1	New Goodrich after 1901	7
N2	New Ben Hur	7	G1	New Goodrich prev. 1901	11
F1	New Bevon	14	M1	New Gourlay	20
N2	New Bouquet	7	J3	New Gresham Family CS	34
N1	New Cambridge	10	N2	New Hartford	7
N1	New Carson	10	S2	New Havana	16
D1	New Centenial	5	N1	New Haven	10
S2	New Century	16	S2	New Haven Imp.	16
M1	New Century	5	D1	New Hibbard	5
M1	New Century	20	N2	New Hickory	7
L1	New Century Leader	6	N2	New Hickory Rotary	8
F1	New Century Rotary	22	M1	New High Arm Family	20
N1	New Champion	10		New Hillards	5
N2	New Chronicle	7	S2	New Holmes	16
N1	New Columbia	10	N1	New Home	10
S2	New Columbus	16	N1	New Home 400	10
N1	New Companion	10	F1	New Home (Tailor)	13
D1	New Companion	5	N1	New Home Automatic	23
S2	New Concord	16	N1	New Home Queen	10
D1	New Conover	5	N1	New Home Rotary	13
D1	New Cottage	5	F1	New Home Rotary NS	22
N2	New Cottage	7	S2	New Homestead	16
D1	New Cottage	13	F1	New Homestead	14

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
D1	New Hope	5	N2	New Post	7
	New Hope	14	N2	New Premium	7
N2	New Household	7	N2	New Presto	7
F1	New Howard	13	F1	New Principle	14
H2	New Howe (Elias)	18	D1	New Progress	5
S2	New Howe (late)	16	M1	New Queen	20
H2	New Howe (late)	10	S2	New Rapid	16
H2	New Howe G (late)	5	R2	New Raymond	5
	New Idea	13	D1	New Reliable	5
M1	New Idea	20	R1	New Remington	11
N1	New Ideal	10	R1	New Remington	10
	New Ideal O. S.	11	D1	New Rex	5
	New Improved	14	G1	New Rival	9
H2	New Improved Howe	10	N2	New Rome	7
N2	New Jewell	6	F1	New Royal	12
N2	New Jewell Jr.	7	F1	New Royal	13
D1	New King	5	F1	New Royal A	13
N2	New King	7	F1	New Royal Queen	14
D1	New Leader	5	M1	New Single	20
L1	New Leader (Vibrating)	14	M1	New Sinning	20
L1	New Leader Rotary	16	D1	New South No. 1	5
S2	New Lennox	16	G1	New South No. 2	11
N2	New Life	7	G1	New South No. 2	9
J3	New Longford CS	34	N2	New South No. 3	11
L1	New Love, The	16	N2	New South No. 3	7
L1	New Love, The	14	F1	New Splendid	14
S2	New Matchless	16	M1	New Stand	20
M1	New Matthews	20	S2	New Standard	16
M1	New May	20	S2	New Star	16
M1	New Merrick	20	M1	New Star	20
S2	New Method	16	F1	New States	14
M1	New Minnie	20	F1	New Sterling	6
N2	New Mode	7	F1	New Sterling	14
G1	New Model	9	S2	New Steward	16
F1	New Monitor	14	S6	New Stewart	13
M1	New Monroe	20	S6	New Stewart (orig.)	25
S2	New More	16	D1	New Stockman	5
N1	New National	10	D1	New Stockman	13
F1	New National NS	13	S2	New Success	16
D1	New Netzow	5	N2	New Success	7
N2	New Oriole	7	D1	New Superb	5
M1	New Oswald	20	M1	New Treasure	20
N2	New Pacific	7	N2	New Tremont	7
M1	New Palace	20	N2	New Tripp	7
N2	New Paquet	7	D1	New Triumph	5
S2	New Parish	16	G1	New Triumph	9
	New Pathfinder	14	S2	New Tuxedo	16
S2	New Peerless	16	M1	New Tyler	20
M1	New Peerless	20	D1	New Vassar	5
N2	New Peoria	7	D1	New Victor	5
M1	New Perfection	20	N2	New Victor	7
N1	New Phoenix	10	M1	New Victor	20
N2	New Pillsbury	7	N1	New Victoria	10
G1	New Pittsburgh	9	D1	New Victory	5

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
G1	New Victory No. 9	11	D1	Nordica	5
G1	New Victory No. 9	5		Nordica	14
G1	New Victory No. 9	9	N2	Nordon	7
G1	New Waltham	7	S2	Norfolk	16
M1	New Warwick	20	W5	Norfolk	20
F1	New Way	14	D1	Norleigh Diamond	5
S2	New Weed	16	M1	Norman	20
W5	New White	20		Normandie	14
W5	New White Automatic	23	N2	North American	7
M1	New White Peerless	20	N2	North Queen	7
W5	New White Rotary	21	N2	North Western	7
M1	New Whitesley	20	M1	Northcut, H. & T. Co.	20
N2	New Whitley	7	N1	Northern	10
W5	New Willard	21	S2	Norwood	16
W9	New Williams	6	N2	Not Nac Rotary	8
N1	New Williams	10	N4	Nothmann TS	15
N2	New Wilmot	7	N4	Nothmann VS & class 15	13
D1	New Wilson	5	N2	Nova	7
M1	New Wilson	20	L7	Nova	1
W7	New Wilson orig.	1	S2	Nova Machine Rosas	16
M1	New Wilsons	20	N2	Nox X. L.	7
N1	New Winchester	10	N2	Noxabee Queen	7
D1	New Winner	5	N2	Noxall	7
M1	New Winner	20		Nudd & Palmer	11
G1	New Yale	9	W5	Nutflake	20
D5	New York	11	N2	Ny Luchador	7
D5	New York	5			
D5	New York	6			
G1	New York	9			
D2	New York Domestic	6			
N2	New York Leichador	7			
N2	New Z. Pasquet	7			
G1	Newark	6			
S2	Newport	16			
	Newport	6			
	Newport	14			
S2	Newton	16			
D1	Newton	5	S2	O'Neil's Pride	16
F1	Newton	14	M1	O'Neil's Pride	20
N2	Niagra	7	S2	O'Neil, The	16
M1	Nichols	20	S2	Oakdale	16
M1	Nichols & Hicks	20	G1	Oakdale	7
S2	Nicholson	16	G1	Oakland	9
	Niobe	6	F1	Oakwood	13
N1	Niobe	10	D1	Oakwood	13
M1	Nixon	20	D1	Oakwood AB	13
M1	Nixon, D.	20	G1	Observer	9
N2	No Name	7	N2	Occident	7
N2	No Try On	7	N2	Occidental	8
N3	Noble	6	M1	Oden	20
N3	Noble	10	M1	Oden Spec.	20
N3	Noble	5	N2	Ogle	7
N2	Nonpareil	5	D1	Ohio	5
N2	Nonpareil	7	G1	Ohio	9
M1	Noonan	20	S2	Ohio Farmer	16



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
G1	Ohio Farmer	11	S2	Our Model	16
D1	Ohio Farmer	5	F1	Our Own	13
G1	Ohio Farmer	7	J3	Our Own Family CS	34
D1	Ohio Farmer	21	N2	Our Pet	7
D1	Ohio Farmer D	21	N2	Our Pride	7
N2	Okeh Rotary	8	F1	Our Salesman	14
N2	Okeh VS	7	F1	Our Special	13
	Old C.	14	G1	Our Special	9
N2	Old Chronicle Premium	11	N2	Our Surprise	7
G1	Old Chronicle Premium	9	S2	Our Very Best	16
	Old Homestead	11	G1	Our Wonder	9
N2	Old Homestead	7	N2	Outlet Special	7
N2	Old Homestead Rotary	8	M1	Owattonna	20
M1	Old Reliable	20		Oxford Columbia	14
	Olive Sternly Co.	14		Oxford M.	14
M1	Olive, The	20	O1	Oxford No. 1	11
S2	Olney	16	G1	Oxford No. 1	11
G1	Olney	9	G1	Oxford No. 1	9
G1	Olney, B. W.	9	O1	Oxford No. 2	1
S2	Olympia	16	N2	Oxford No. 2	7
N2	Olympia	7	O1	Oxford No. 3	11
F1	Omaha	13	O1	Oxford Singer	15
N2	Oneida	7	F1	Ozark	13
M1	Ontario	20			
O2	Opel Medium	11			
O2	Opel TS	15			
O2	Opel VS, Rotary & class 15	13			
N2	Oppenheimer	7			
N1	Oracle	10			
N1	Orade	10			
M1	Oransky	20			
N1	Ordway	10			
G1	Oregon	9			
N2	Orient	5			
N2	Orient	7			
S2	Orient	16			
N2	Original Princess	11			
	Orile	14			
S2	Oriole	16			
	Oriole	14			
N2	Oritan	7	M1	Pace	20
S2	Orleans	16	S2	Pacific	16
	Orleans	5	N2	Pacific	7
G3	Osborn	15	G1	Pacific Queen	11
G3	Osborn	27	G1	Pacific Queen	9
G3	Osborn	1	M1	Page	20
M1	Osborn	20	M1	Page, G. F.	20
M1	Ostertag	20	N2	Palace	7
M1	Osveta	20	M1	Palacios & Zambreno	20
S2	Otto	16	M1	Palma	20
M1	Otto Klein Co.	20	N2	Palmer	7
H1	Ottowa	14	M1	Palmetto	20
M1	Our Bonanza	20	N1	Pan American	10
	Our Ideal	14	N2	Pansor	7
N2	Our Leader	7		Paquet Z.	5
F1	Our Leader	14	G1	Paragold	9
			S2	Paragon	16



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
J3	Paragon Family CS	34	F1	Perfection	14
N2	Paragon Rotary	8	G1	Perfecto	9
S2	Paramount	16	S2	Perla de la Casa	16
M1	Parchman	20	N2	Perpetual	7
	Pardridge & Blackwell	14	D1	Pet	5
M1	Parent	20	F1	Pet	14
M1	Paris	20	D1	Pettis	5
M1	Paris King	20	F1	Pettis	14
D1	Parisian	5	W5	Petty Bros. Merc. Co.	20
N2	Park City	7	P3	Pfaff B	15
W5	Parker	21	P3	Pfaff TS	15
N2	Parker	7	P3	Pfaff TS Medium	3
S2	Parks	16	P3	Pfaff VS & class 15	13
	Parmas	14	W13	Phila-Singer	13
	Parrish	14	M1	Philadelphia	20
	Parsons Spec.	14	W13	Philadelphia H. A.	4
M1	Passmore	20	D1	Philippine	5
S2	Pastime	16	D1	Philopene	5
D1	Pathfinder	5	N2	Phoenix	7
F1	Pathway	14	B5	Phoenix CB	26
G1	Patton	14	B5	Phoenix Rotary	25
D1	Paul	5	B5	Phoenix VS	13
N2	Paul	7	S2	Pickering	16
N2	Paveway	7	G1	Piedmont	9
M1	Peabody	20	D1	Piedmont	21
D1	Pearl	5	S2	Pierce Gold	16
N1	Pearl	10	N2	Pilgrims	7
S2	Pearl	16	S2	Pilot	16
S2	Pearlhaven	16	D1	Pinnickinnick	5
N2	Pearline	7	J3	Pinnock Spool	34
M1	Pee Dee	20	N2	Pioneer	5
S2	Peerless	16	N2	Pioneer	7
W5	Peerless	1	S2	Pioneer	16
N2	Peerless	7	N2	Pioneer Press	7
N2	Peerless Rotary	7	S2	Piper	16
M1	Peerless Rotary	20	S2	Piper & Goyett	16
N2	Pelham	7	G1	Piquette, J. M.	7
S2	Pelican	16	M1	Pittsburg Electric	21
F1	Pelleter	14	N2	Plain	7
M1	Pelotence	20	P1	Planar & Kayser	10
M1	Pelton & Marsh	20	G1	Planet	9
D1	Pemberton	5	S2	Planters	16
N2	Peninsular	7	M1	Planters	20
N2	Penitang	7	N2	Plymouth	7
S2	Penman	16	S2	Polly	16
M1	Penn	20		Polytype	1
G1	Pennsylvania	9	N2	Polytype	7
J3	Pentagon, The (CS)	34	N2	Pommer	7
M1	Peoples Furn. Co.	20	M1	Pope's Queen	20
	Peoples House Fur. Sup. Co.	14	N2	Poplar	7
D1	Peoria	5	D1	Popular	5
N1	Peoria	10	M1	Portage	20
M1	Perfect	20	P2	Post	28
S2	Perfection	16	P2	Post	25
D1	Perfection	5	P2	Post	13

Company Code	Machine Name	Needle Code
N2	Post Electric	7
S2	Practical Farmer	16
S2	Prairie Farmer	16
F1	Prairie Queen	14
M1	Pratts	20
M1	Pratts Special	20
N2	Premier	11
N1	Premier	10
N2	Premier Rotary	8
G1	Premium	11
N2	Premium	7
G1	Premium Chronicle	11
	Premium Dallas	14
N2	Premium Galveston	7
G1	Premium Houston	11
G1	Premium Houston	9
N2	Premium New Chronicle	7
G1	Premium Old Chronicle	11
M1	Prescott Hdw Co	20
S2	Press Pub. Ass'n.	16
M1	Presto	20
M1	Prewitt	20
M1	Price & Allen	20
M1	Pride of Home	20
S2	Pride of Kentucky	16
F1	Pride of Milwaukee	14
M1	Pride of Poteau	20
M1	Pride of Virginia	20
M1	Pride of World	20
M1	Primmer	20
J3	Primrose	34
M1	Prince	20
D4	Princess	11
D4	Princess	5
D4	Princess	6
N2	Princess	7
S2	Princess	16
N2	Princeton	7
G1	Principle Spec.	11
D1	Printzlaff	13
H1	Priscilla	11
N1	Priscilla	10
F1	Pritzlaff	14
N2	Prize, The	7
N2	Process	11
N2	Process	7
	Proctor Supply Co.	14
S2	Progress	16
	Progress	6
M1	Progress	20
M1	Prospect	20
N2	Proteus	7
M1	Provedera del Hogar	20
N2	Providence	7
	Pueblo, The	13

Company Code	Machine Name	Needle Code
M1	Pullman	20
F1	Pure Gold	11
F1	Puregold	14
N2	Puritan	8
N2	Purity	7
M1	Putnam	20
G1	Pyramid	7



N2	Quaker	7
F1	Quaker City	13
N2	Quality	7
D1	Quality	5
D7	Queen	13
D1	Queen	5
N2	Queen	7
M1	Queen	20
F1	Queen 12	14
N2	Queen American	6
N2	Queen American	7
S2	Queen Anne	16
N2	Queen Bee	7
F1	Queen Bess	14

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
	Queen Chicago	14	M1	Raney	20
D1	Queen City	5	D1	Ranger	5
E2	Queen City	6	M1	Rankin	20
N2	Queen City	7	M1	Rankins	20
N2	Queen Cottage	7	R2	Raymond	27
D7	Queen Dauntless	6	R2	Raymond	1
N2	Queen Fairest	7	N2	Read & Snyder	7
M1	Queen Family	20	M1	Read & Son	20
	Queen Georgia	14	S2	Read, The	16
	Queen Gulf	14	M1	Reading Special	20
	Queen Home	11	N2	Record	7
D1	Queen Home	5	D1	Red Cross	5
	Queen Improved	5	S2	Red Cross	16
	Queen Improved	14	N2	Red Cross Rotary	8
N2	Queen Kentucky	7	N2	Red Star	7
N2	Queen May	7	G1	Redford	9
M1	Queen Modern	20	N2	Redgeton Rotary	8
M1	Queen New England	20	N2	Redgton	7
N2	Queen North	7	S2	Reed Spec.	16
	Queen Norwalk	6	D1	Regal	5
D7	Queen O. S.	6	M1	Regal	20
S2	Queen Pacific	16	N2	Regal BCD Rotary	7
M1	Queen Plymouth	20		Regan Spec.	14
M1	Queen Royal	20	F1	Regent	14
M1	Queen Smith	20	G1	Regina	9
	Queen Sorento	14	M1	Reich	20
M1	Queen Southern	20	S2	Reina	16
M1	Queen Texas	20	D2	Reliable	6
N2	Queen Tuxubee	7	S2	Reliable	16
	Queen W. E. O. K.	14	N2	Reliable	7
N2	Queen Western	7	F1	Reliable A	13
M1	Queen Winner	20	M1	Reliance	20
N2	Queen of the West	11	N2	Reliance	7
N2	Queen of the West	7		Reliance Hdw. Co.	14
N2	Queen of the West Rot	8	N2	Remington	7
S2	Quickles Best	16	R1	Remington (Old)	27
S2	Quickstitch	16	R1	Remington No. 3	15
G1	Quincy	9	M1	Renan	20
N1	Quinnan Och Hemmet	10	D1	Renfrew	5
			G1	Reno	9
			N2	Renown	7
			N2	Republic	7
S2	Radiant	16	N2	Reputation	7
M1	Rador	20	N2	Rev-O-Noc	7
N2	Railway	7	N2	Reversew A, B	7
F1	Rainbow	14	N2	Reversew Rex	7
W5	Rainha	20	N2	Reversew Rotary	8
N2	Rainier	7	N2	Rex	7
N2	Raja	7	N2	Rexford	7
N2	Raleigh	7		Reynolds & Lesler	14
M1	Ralston B	20		Reynolds Star	14
	Ram's Horn	14	G1	Rhenania	11
N2	Ramand	7	N2	Rialto	7
N2	Ramons	7	K6	Richard Knoch Rhenania	27
M1	Randall's Best	20	K6	Richard Knoch Rotary & CB	13
M1	Randville	20	K6	Richard Knoch VS	10

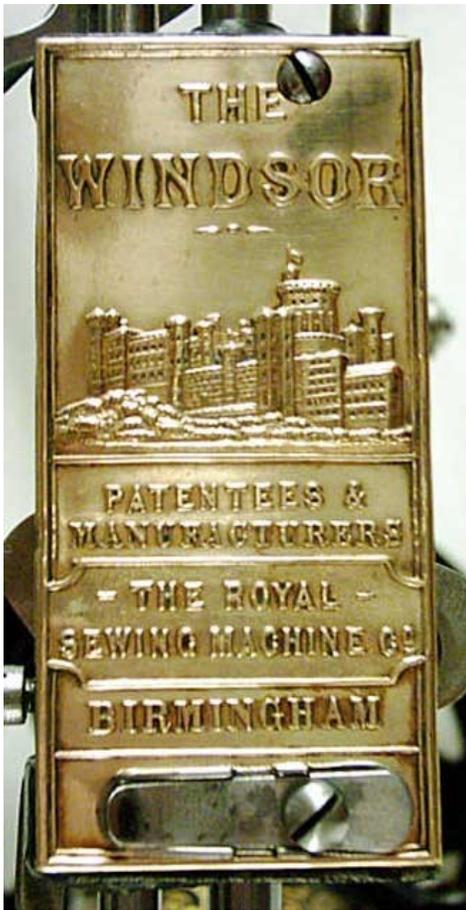
Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
S2	Richardson	16	S2	Rosendale	16
N2	Richcon Rotary	7	M1	Ross	20
S2	Richland	16	S2	Rossenback	16
M1	Richland	20		Rotary O Arm	8
F1	Richland	14	M1	Rotary Special	20
F1	Richmond	14		Rotary square arm	8
S2	Richters	16	S2	Roth Special	16
N2	Ridder	7	S2	Rothchild	16
N2	Ridder Adams & Co.	7	G1	Rothenburg & Co.	7
N2	Ridgeway	7	F1	Rotiscillo	13
M1	Riegle, The	20	N2	Rotoro	7
M1	Rierson	20	S2	Rover	16
M1	Rierson, Wood & Scott	20	M1	Rowe Bros.	20
S2	Rightway	16	M1	Rowel	20
M1	Riley	20	M1	Rowland	20
M1	Riley & Williford	20	F1	Royal	11
M1	Ripley Belle	20	F1	Royal	12
N2	Ritchdale	7	F1	Royal A.	14
S2	Ritter	16	F1	Royal A.	22
G1	Ritters	9	F1	Royal Electric	13
S2	Rival	16	M1	Royal Leader	20
D1	Rival	5	F1	Royal New	12
	Rival	6	F1	Royal Oak	13
F1	Rival	14	F1	Royal Oak	12
M1	Rival Sin	20	M1	Royal Palm	20
N2	Riverside	7	J3	Royal Ruby CS	34
	Riverton	13	F1	Royal St. John (new)	14
H1	Riverton	11	F1	Royal St. John (old)	12
M1	Rivore	20	F1	Royal St. John (old)	6
N2	Roberta	7	F1	Royal St. John OS	11
S2	Roberts	16		Ruble Spec.	13
G1	Roberts	9		Ruby	5
	Roberts & Harris	14	N1	Ruby	10
	Roberts & Lelie	14	F1	Ruby	13
N2	Robins Special	7	F1	Ruby Rotary	22
M1	Robinson Special	20	F1	Rudy	14
F1	Rocford	14	D1	Rugby	5
N2	Rock City	7	F1	Rugby	14
S2	Rockford	16	M1	Rule	20
M1	Rockland	20	N2	Run Easy	7
N2	Roding	7	M1	Rural	20
S2	Roeser	16	M1	Rush	20
M1	Rogers A.	20	J3	Rushby Family CS	34
S2	Rogers E. M.	16	M1	Russer	20
M1	Rome	20	W5	Rutter	20
S2	Ronaldson & Packett	16			
W5	Roos Bros.	20			
N2	Root	7	W5	S. & C. Ball Bearing	21
	Rose	13		S. & H. Special	14
N2	Rose	7		S. No. 1	14
N2	Rose City	7	M1	S. S. Special	20
N2	Rosemary	7	S2	Sadie	16
S2	Rosenberg & Heintze	16	M1	Sadler Special	20
M1	Rosenberg Bros.	20	F1	Saidon	14
F1	Rosenblum Furn. Co.	14	M1	Salt City	20

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N2	Salt Lake Rotary	8	S2	Seavey	16
N2	Salva Hos.	7	S2	Seavoy	16
N2	Samaornials Spec.	7	S4	Secor	15
W5	Sampson	20	N2	Secora	7
S2	Sampson	16	M1	Secrocer	20
N2	Sanchez, M. Y. Hno.	7	D1	Security	5
M1	Sanders Co	20	M1	Security	20
M1	Sanderson	20	D1	Security Rotary	16
M1	Sanderson Co.	20	M1	Sedwig, Joseph	20
D1	Sangamon	5	M1	Sefton	20
N2	Sanger	7	S2	Segnor	16
S2	Sans Favorite	16		Segwall	11
M1	Saskatchewan	20	S2	Selecta	16
N2	Savage	7	S11	Sellers Medium, No 4 Stitchwell	11
M1	Savoy	20	F1	Selma CDE	14
M1	Saxon Special	20	S2	Selsers Pride	16
G1	Scandanavian	9	F1	Seminole	14
M1	Scar	20	F1	Seneca	14
N2	Scarborough Rotary	8	M1	Seneca Chief	20
M1	Schafer	20	S2	Senorita	16
	Schenley	5		Senorita	14
M1	Schertz	20	N2	Sentinel	7
M1	Scheuesslers Queen	20	D1	Sequoia	5
N2	Schiltz	7	N1	Serata	10
M1	Schlemmer	20	N2	Seroco	7
M1	Schmit & Sternhout	20	F1	Service	12
	Schonack	14	M1	Sewards	20
	Schonoff Bros.	14	M1	Seward's Special	20
N2	Schoonmaker J. M. & Son	7	M1	Sew Easy	20
M1	Schuman	20	S2	Sewhandy	22
M1	Schuman's Queen	20	M1	Sew Right	20
	Schuneman & Evans	14	M1	Sew Rite	20
N2	Schwartz Kopp Spec.	7	N2	Sew Rite Rotary	8
S2	Scientific	16	D1	Seybold	5
M1	Scio	20	S2	Seybold Bros.	16
N2	Scnavely, C. C.	7	S2	Shamrock	16
M1	Scofield	20	S2	Shapleigh	16
M1	Scofield, The	21	N2	Shapleigh	8
S2	Scott	16	S2	Sharwick, P. T.	16
	Scott	5	N2	Sheldon	7
M1	Scott LG	20	N2	Shenley, The	7
F1	Scruggs	14	M1	Shepard	20
N2	Scully	7	S2	Sherman	16
M1	Sea Side	20	S2	Shipkonsky	16
M1	Seagal Special	20	M1	Shiple & Boht	20
S2	Seals Pride	16	M1	Shiply & Brobst	20
D1	Seamstress	21		Shirly	14
N2	Seamstress Rotary	8	S2	Shoneman	16
N2	Seamstress, N. S.	7	M1	Siebold's Spec.	20
G1	Seamstress, O. S.	11	W5	Siegfried	20
N2	Sears Roebuck	11	M1	Sigman	20
D1	Sears Roebuck	5	S2	Signal	16
D2	Sears Roebuck	6	D1	Signal	5
N2	Sears Roebuck	7		Signal	6
M1	Sears, H. D.	20		Signal	14
M1	Seavers Special	20	G1	Signor	7

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
F1	Silco	14		Smith & Co.	14
D1	Silent	5	N1	Smith Special	10
N2	Silent Princess	7		Smith's Queen	14
D1	Silent Stitcher	13	N2	Smythe & Co.	7
F1	Silver	14	N2	Snavely, C. E.	7
D1	Silver King	5	M1	Snows Special	20
N2	Silver Medal	7	M1	Snyder	20
D1	Silver Spray	13	N2	Soeasy	7
	Silver Star	14	N1	So-Ezy-Climax	10
N2	Simmons	7	N2	So-Ezy-Rotary	8
N2	Simmons Co.	7	M1	Solon	20
M1	Simon	20	W5	Somerset	20
F1	Simplex	7	S2	Sonora	16
W5	Sin Par	20	N2	Sonoria	7
M1	Sin Rival	20		Sorcerer	13
S1	Singer 1 Perpendicular Action	15		Sorenti Queen	13
S1	Singer 101	13	W5	Soudor	20
S1	Singer 115	13	W5	South Bend	20
S1	Singer 12 New Family	15	W5	Southern	21
S1	Singer 127 & 128	13	D1	Southern	5
S1	Singer 13 Medium	11	W5	Southern	20
S1	Singer 15	13	D1	Southern Bell	5
S1	Singer 16	25	D1	Southern Belle	5
S1	Singer 2 Standard	3		Southern Jewel	5
S1	Singer 20 toy	24		Southern No. 4 Imp.	14
S1	Singer 201	13	F1	Southern Novelty	14
S1	Singer 221 & 222	13		Southern Pride	5
S1	Singer 24 Automatic	24		Southern Queen	14
S1	Singer 27 & 28	13		Southern Western	14
S1	Singer 29	27		Southland	13
S1	Singer 30	13	N2	Southwell	7
S1	Singer 3 Standard	3		Sovereign	14
S1	Singer 31-15	26	D8	Sowitch VS	13
S1	Singer 4 Mfg.	3	S2	Spalding	16
S1	Singer 48K	13	F1	Spartan	14
S1	Singer 66	13	S2	Spaulding	16
S1	Singer 99	13	N2	Spear Edge	7
S1	Singer 9W	18	S2	Special	16
S1	Singer High Arm	14	M1	Special	20
S1	Singer IF Improved Family	13		Spectator	14
S1	Singer Imp. Family Central Bobbin	13	N2	Speedway	7
S1	Singer Letter A	11	N2	Speedwell	7
S1	Singer VS 1	14	M1	Spell, T. S.	20
S1	Singer VS 2	13	M1	Spencer House Furn. Co.	20
S1	Singer VS 3	13	M1	Spencer, W. S.	20
N2	Skeleton	7	S10	Spenser Automatic	23
N2	Slane The	7		Spiegels	14
S2	Slater, T. W.	16	J3	Spierpon Queen CS	34
N2	Slavic	7		Splendid	11
S2	Slidell	16	F1	Splendid	14
E3	Sloat (Bradshaw Shuttle)	28	F1	Splendid	13
N2	Smalley	7		Spokane	11
S2	Smith & Caugheys	16	N1	Spokane	10

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
N2	Spotless	7	D1	Sterling	5
M1	Sprague	20	G1	Sterling	9
S2	Spring City	16	S2	Sterling	16
S5	Springfield	27	M1	Sternberg Olive Co.	20
S5	Springfield	13	S6	Stewart	15
W5	Spurline	20	M1	Stewart	20
M1	Square Deal	20		Still, The Mer. Co.	14
N2	Srojan	7	F1	Stillete	14
G1	Srormost	7	N1	Stimulator	10
S2	St. James	16	N2	Stitchwell	7
F1	St. John	12	S2	Stitchwell	16
F1	St. John O. S.	6	M1	Stitchdale	20
F1	St. John Royal	12		Stockham, J. B.	14
F1	St. John Royal	22		Stockman	13
S2	St. Lawrence	16	M1	Stockman	20
N2	St. Louis	7	M1	Stockman & Farmer	20
N2	St. Marys	7	S9	Stoewer Rotary	25
G1	St. Paul	9	S9	Stoewer TS	15
N2	Stag	7	S9	Stoewer VS & class 15	13
S2	Stahn's C. C. Fav.	16	G1	Store Big Special	7
S2	Standard (after 27500)	16	N2	Stores Grenada	7
S2	Standard Electric	16	M1	Strahn's E. A. Furn. Co	20
S2	Standard Favorite	16	S2	Straightway	16
S2	Standard G	22	M1	Strands Electric	20
M1	Standard JW	20	M1	Strangburg	20
S2	Standard Mfg.	25	M1	Strangburg Spec.	20
S2	Standard Norwood	16	N2	Strange	7
S2	Standard Paragon	16	N2	Stratco Electric	7
S2	Standard Rotary	16	F1	Stratford	13
S2	Standard Rotary Mfg	25	N2	Strawbridge & Clothier	7
S2	Standard Vibrator	16	S2	Struther's Best	16
S2	Stanley	16	M1	Strzelezyk	20
N2	Stanley	7		Success	13
	Stanly Mills	13	N2	Success	11
	Stanly Mills and Co.	14	N2	Success	5
M1	Stapp	20	F1	Success	14
D1	Star	21		Successful	13
D1	Star	5	N2	Successful	7
	Star	6	D1	Sultan	5
M1	Star	20	N2	Sultana	7
M1	Star Copac	20	M1	Summers	20
M1	Star Golden	20	M1	Summit	20
M1	Star Installment Co.	20	D1	Sun & Voice	5
N1	Star New Home	10	N2	Sunflower	7
	Stauffer	14	M1	Sunny South	20
M1	Steel Mer. Co.	20	F1	Sunoria	11
M1	Steels Favorite	20	D1	Sunray	5
S2	Steenhayen, Jr.	16	N2	Sunset	7
N2	Steger	7	N2	Sunset Rotary	7
N2	Steinway	7	D1	Sunshine	21
N2	Stella	7	D1	Sunshine	5
S2	Stemkamp	16	G1	Sunshine	9
	Stephen, Kemmer & S. Co.	14	D1	Superb	5
M1	Stephenson	20	W5	Superb	20
M1	Stepp, J. M.	20	D1	Superba	5

Company Code	Machine Name	Needle Code
S2	Superior	16
	Superior	25
D1	Superior	5
	Superior	6
N2	Superior	8
S2	Superior Quality	16
D1	Supreme	21
G1	Supreme	9
D1	Surety	5
S2	Surprise	16
M1	Surprise	20
G1	Swan	6
M1	Swan	20
D1	Swank	5
M1	Sweden	20
	Sween's Spec.	14
W5	Sweeten & Black	20
S2	Swift	16
S2	Symonds	16
N2	Syndicate	7
N2	Syracuse	7



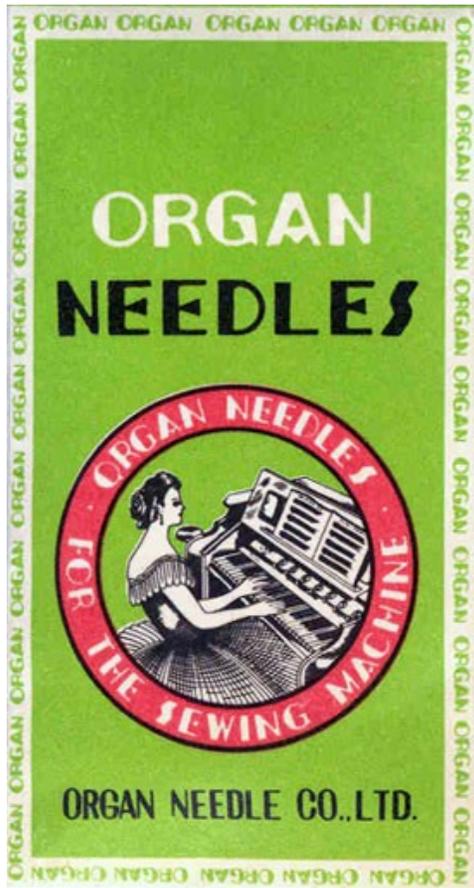
From the Ludger Halbur Collection

T. M. R. S. Co. 14  
T. O. & Co. 14

Company Code	Machine Name	Needle Code
M1	Taft, A. H.	20
M1	Tallulah, The	20
M1	Tanek, M.	20
M1	Tarver, Hensler Co.	20
M1	Taylor & Co. Spec.	20
M1	Taylor, H. W. Son	20
N2	Temple	7
M1	Tennessee Furn. Co.	20
M1	Terribone Imp.	20
N1	Teutonia	10
M1	Texas	20
	Texas Advocate	13
	Texas Advocate	14
	Texas Farm & Ranch	14
	Texas Farmer	14
S2	Thelma	16
M1	Thelmas Favorite	20
N2	Thistle, The	7
D1	Thomas	16
T2	Thomas #1	15
T2	Thomas #2	3
J3	Thomas Gaffer CS	34
	Thomas Spec.	14
S2	Thompson	16
N2	Thompson Rotary	8
N1	Tidente	10
T1	Tittel & Nies Rhenania	27
T1	Tittel & Nies Rotary	25
T1	Tittel & Nies TS	15
T1	Tittel & Nies VS & CB	13
M1	Todd, H. E.	20
G1	Toledo	11
N2	Tom Cummins New Queen	7
N1	Tomanis	10
M1	Tomec, The	20
	Tonia, John	14
	Tool, J. O. & Co.	14
	Tooperwein	14
N2	Townley Rotary	8
M1	Trabue, R. E.	20
G1	Treasure	6
G1	Treasure	9
G1	Treasurer	6
M1	Treasurer	20
N2	Trebing Rotary	8
D1	Tremont	5
M1	Trenan	20
N1	Trenton	10
N2	Tri City	7
M1	Trice	20
M1	Trice Bros.	20
N2	Trip Imp.	7
G1	Triumph	23
D1	Triumph	21
D1	Triumph	5
N1	Triumph	10

Company Code	Machine Name	Needle Code
N2	Trotter	7
N2	Tucker	7
N2	Tupelo Merc. Co.	7
M1	Turnocks, Ellis	20
M1	Tuscarawas	20
	Tuxedo	11
N1	Tuxedo	10
M1	Tuxhorns U-Try-Me	20
M1	Twentieth Century	5
M1	Twentieth Century	20
	Twin City	14
M1	Tyrholm, J. A.	20

Company Code	Machine Name	Needle Code
N2	Union Leader	7
M1	Union Merc. Co.	20
D1	Unique	21
D1	Unique	5
M1	Unique	20
J3	Unique Machine, The (CS)	34
N2	United	7
M1	United States	20
N1	Universal	10
D1	Universal	5
S2	Universal	16
N1	Up-To-Date	10
S2	Upright	16
	Upright	14
F1	Utah	13
S2	Utility	16
G1	Utopia	9



M1	U-Need-Me	20
	Uhlitz	13
F1	Unaka	5
S2	Unanzst	16
M1	Unica	20
D1	Union	5
N1	Union	10
S2	Union 24	16
D1	Union Advance	5
D1	Union American	5
N1	Union American	10
F1	Union Grand	14

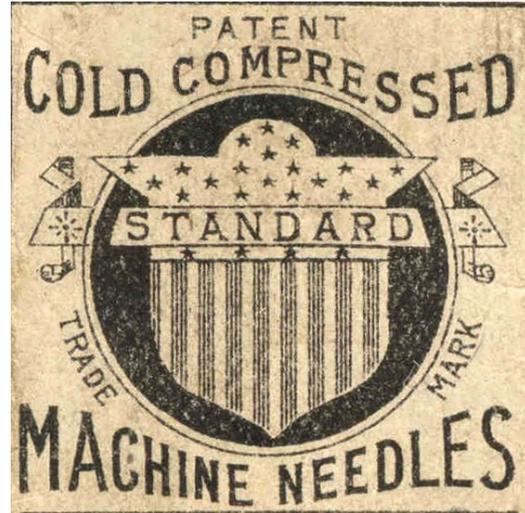
N2	Vallarena	7
N2	Vance, A.	7
D1	Vance, The	5
N2	Vancello	7
S2	Varnado	16
N2	Vassar	7
D1	Velox	5
N2	Velox	7
D1	Velox 2	5
N1	Velox A & B	10
N2	Vendome	7
D1	Venture	5
N2	Venus	7
S2	Veribest	16
D8	Vesta Medium	3
D8	Vesta Rotary	25
D8	Vesta TS	15
D8	Vesta VS & CB	13

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
M1	Via & Stedman	20	N1	Wabash	10
J3	Vibra	34	N2	Wacerly	7
S2	Vibrant	16	G1	Wagener	7
S2	Vibrator	16	M1	Wagley & Aderhold	20
M1	Vicellio & Bro.	20	F1	Wagner, The	14
N2	Viceroy	7	N2	Wah-Wah	7
V1	Vickers VS	13	D1	Walbridge	5
D1	Victor	5	M1	Walcot	20
M1	Victor	20	N2	Walden Rotary	8
F4	Victor	1	M1	Waldorf	20
S2	Victoria	16	N2	Walker	7
M1	Victoria	20		Walsh	14
N2	Victoria Caniff	7	M1	Walter	20
J3	Victoria Family CS	34	J3	Walter Hale Family CS	34
M1	Victoria, H. A.	20	N2	Waltham	7
D1	Victory	5	D1	Waltham	21
F1	Victory	13	D1	Wanamaker	5
F1	Victory N. S.	14	N2	Wanamaker	6
G1	Victory New No. 9	11	G1	Wanless	7
G1	Victory New No. 9	5	D1	Wannamaker	13
F1	Victory O. S.	15	N1	Wannamaker	10
M1	Viking	20	N2	Wannamaker National	7
N2	Vindex	7	W10	Wanzer A.	1
N2	Vini Model	7	W10	Wanzer B.	27
N2	Virginia	7	W10	Wanzer C	5
N2	Virginian	7	S2	Wanzer C	16
M1	Voekel	20	W10	Wanzer E	27
M1	Vogel	20	W10	Wanzer, Little	25
N2	Vola	7	M1	Wapello Chief	20
N2	Volksfreund	7	S2	Ward	16
N2	Volkspost	7	N2	Ward (N. S.)	7
N2	Volo	8		Ward (O. S.)	11
N2	Volo	7		Ward (old)	27
N2	Vulcan	7	M1	Wardell	20
S2	Vulcan	16	N2	Wards Rotary	8
			M1	Warner, The	20
			S2	Warren	16
			M1	Warren Merc. Co.	20
			M1	Warren, The	20
			M1	Wartenburg	20
			S2	Washington	16
			N1	Washington	10
			N2	Watchman, The	7
				Watkins	13
			M1	Watkins	20
			M1	Watkins & Masstooth	20
			N2	Watson	7
			N2	Wauson	7
			M1	Waverly	20
			M1	Waxahacie Hdw. Co.	20
			N2	Wayne	7
			N2	Weal	7
			G1	Weavers Special	9
			S2	Weber	16
			W2	Weed	6
			W2	Weed Fam. Fav.	6
M1	Wa Car Co.	20			
S2	Wabash	16			



Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
W2	Weed Gen. Fav.	1	W1	Wheeler & Wilson 9 later –	
J3	Weekes Family CS	34		(straight flat shank)	18
S2	Weige & Schultz	16	W1	Wheeler & Wilson 12	28
D1	Weise, Fisher Co.	5	N1	Whippet	13
S2	Welborn Bros.	16	N1	Whippet	10
S2	Weldin	16	F1	Whippet Rotary	22
M1	Wellington	20	W5	White Automatic	23
M1	Wells	20	S2	White King	16
F1	Wellworth	13	M1	White Peerless	20
N2	Wellworth E.	7	W5	White Rotary	21
N2	Wentworth	7	F1	White Star	5
M1	Werner	20	F1	White Star	6
S2	Werner, The	16	F1	White Star	14
J3	Wertheim Rapida Spool	34	W5	White Vibrator #581001 to #1829999	20
W11	Wertheim Rotary	25	W5	White Vibrator 8	21
W11	Wertheim Superba D	15	W5	White Vibrator from #1830000	21
W11	Wertheim TS	11	W5	White Vibrator to #581000	1
W11	Wertheim VS & class 15	13	F1	Whitehall N. S.	14
M1	Wertz, W. D.	20	F1	Whitehall O. S.	15
W3	West & Willson	27	N2	Whitehead B.	7
M1	West Bros.	20	W6	Whitehill	6
M1	Western	5	W6	Whitehill	10
M1	Western	20	W6	Whitehill	11
N2	Western Electric	7	M1	Whitehouse	5
N2	Western Electric 4	13		Whitehouse	6
N2	Western Electric Automatic	23	M1	Whitehouse	20
N2	Western Electric Rotary	8	M1	Whitener & Rogers	20
N2	Western Electric VS 1	7	M1	Whiteside	20
M1	Western Queen	20		Whitheron	11
M1	Western Union	20	S2	Whiting	16
N2	Westinghouse	7	M1	Whitley	20
F1	Westinghouse Rotary	22	W8	Whitney	11
	Westlake	13	W8	Whitney	12
N2	Westlake	7	W8	Whitney	6
N2	Westmoreland	5	M1	Whitsett	20
N2	Westmoreland	7		Wichers & Co.	14
M1	Westralia	20		Wilber	13
M1	Weyand & Bro.	20	N2	Wild Rose	7
N2	Weyth	7	S2	Wilkins & Fields	16
	Wheel Enterprise	1	F1	Will C. Free	13
	Wheel Enterprise	11	M1	Will Ranciers' Special	20
F1	Wheeler	13	N2	Willamette	7
N1	Wheeler A B C E	10		Willard	14
W5	Wheeler Electric	21	W4	Willcox & Gibbs Automatic	23
F1	Wheeler Rotary	22	N2	Willford, B. W. S. & Co.	7
W1	Wheeler & Wilson 1 – 5		F1	William Free	13
	(curved)	33	N2	Williams	7
W1	Wheeler & Wilson 6 –		N1	Williams	10
	(straight round shank)	19	W9	Williams Singer	15
W1	Wheeler & Wilson 7 –		M1	Williamson	20
	(straight round shank)	19	M1	Willis & Co.	20
W1	Wheeler & Wilson 8 –		W7	Wilson	27
	(straight round shank)	19	M1	Wilson	20
W1	Wheeler & Wilson 9 early –			Wilson & Wright	14
	(straight round shank)	19	W7	Wilson B.	1

Company Code	Machine Name	Needle Code	Company Code	Machine Name	Needle Code
W7	Wilson O. S.	1	X1	X-Ray	23
W7	Wilson Oscillator	1	S2	Xmas	16
M1	Wilson Rotary	20	G1	Xmas	11
M1	Wilson Rotary	21	G1	Xmas	5
	Wilson Special	13	G1	Xmas	9
	Wilson Special	14			
W5	Winchester	21			
G1	Winchester	9			
N2	Windsor	7			
F1	Winner	13			
	Winner	11			
D1	Winner	5			
	Winner	6			
M1	Winner	20			
W12	Winselmann Medium	3			
W12	Winselmann Rotary	25			
W12	Winselmann TS	15			
W12	Winselmann VS & class 15	13			
M1	Witherbee, Huggins Co.	20			
G1	Witherow	11			
N2	Witners (after 1901)	7			
N2	Witners (prior to 1901)	11			
S2	Wizard	16			
	Woldrust	5			
M1	Wolfe	20			
M1	Wolters Bros.	20			
M1	Wolverine	20			
N1	Woman & Home	10			
M1	Wonder, The	6			
M1	Wonder, The	20	S2	Yankee	16
M1	Wood, A. G. & Bro.	20	W5	Yates Guarantee	20
M1	Woodbert	20	M1	York & Wadsworth Co.	20
S2	Woodhill	16	M1	York G. J. Music Co.	20
	Woodman	11	N2	Young & McComb	7
N1	Woodman	10		Young & Peck	14
	Woodman & Lathrop	14	M1	Young Blood	20
D1	Woodruff	5	M1	Young Blood's Leader	20
M1	Woods Special	20	S2	Young Bros.	16
	Woodville Mer. Co.	14	S2	Young's Favorite	16
M1	Woolbert	20	N1	Youth's Companion	10
M1	Woolsey	20			
M1	World Rotary	21			
D1	Worlds Best	5			
M1	Wormack, R. V. & C.	20	N2	Zenith	7
W5	Wornell	20	F1	Zenith A	13
F1	Worthmore E	13	M1	Zenobia	5
N2	Worthmore E	7	M1	Zenobia	20
N2	Wright	8	N2	Zephyr Mer. Co.	7
M1	Wright	20	N2	Zork Rotary	8
N2	Wyeth	7	N2	Zuberma	7



## NEEDLES BY MANUFACTURER OR SUPPLIER

Needle													
Code	Comment	Singer	Free	Boye	Schmetz	Brewer	Brew. #	Other	National	White	Crowley	Torr.	European
1	Early White Round Shank	1x1		20	44:25								81
2	American Flat Shank			26		A							
3	Round Shank	2x1			50:10								361,382
4	Crown	20x1	BB	4	35:11	B	1		C	B			712
5	Davis Long	1x2	FF	10		C	2		B	F	54	F	86,186,350
6	Domestic Top Notch	1x4	GG	8		D	3		A	G	52	H	427,665
7	Eldredge Flat Shank	20x1	BB	14	35:11	E	4		C		56	J	712
8	Eldredge Rotary		DD	21	32:11		5	50N1	J	D			38
9	Goodrich Flat Shank	20x1	BB	4 or 21	35:11	F	7		C	B			712
10	New Home	20x1	BB	4	35:11	G	8		C	B	60	R	712
11	Household	1x7 / 13x1		2	28:05	H	9		F		58	M	138
12	New Royal	1x3 / 20x1	HH	24	35:11	I	10		C		74	T	712
13	Singer	15x1	AA	16	21:46	J	11	HAX1	D	A	62	Y	691,705
14	Singer High Arm	20x1	BB	4	35:11	K	12		C	B	60	X	712
15	Singer New Family	12x1		23	23:51	L	13		G				257,339
16	Standard Rotary	15x1	JJ	6	21:46	M	14		D		62	BB	691,705
17	Standard VS	15x1	AA	16	21:46	N	15						691,705
18	Wheeler & Wilson Flat Shank	127x1	EE	18	35:05	O	16	9N1	E	E	68	HH	28,295,374
19	Wheeler & Wilson Round Shank			27									
20	White Flat Shank	20x1	BB	12	35:11	P	17		C	B	66	KK	712
21	White Rotary	15x1	AA	16	21:46	R	18		D	A	62	CC/LL	691,705
22	Free Rotary	206x13	CC	2 1/2	21:32	T	6	40F1		C			
23	Willcox & Gibbs	1x11 / 25x1	ACS	20 1/2	02:45	S		WY502					63,64
24	Singer Chainstitch	24x1			02:65			DHx1					1881,2060
25	Round Shank	16x1			12:05								287,690,1652
26	Round Shank	16x87			14:25			DBx1					373,563
27	Round Shank	29x3			35:15			Dlx3					65,160,332
28	W&W Industrial	130x1			17:15			12N1					727
29	Elliptic Curved												
30	Florence Curved												
31	Grover & Baker Curved												23
32	Grover & Baker Straight												19
33	W&W Curved												42,178
34	Round Shank	128x1			16:05			Tlx1					728

## **Section B**

Needle FAQ

Frequently Asked Questions

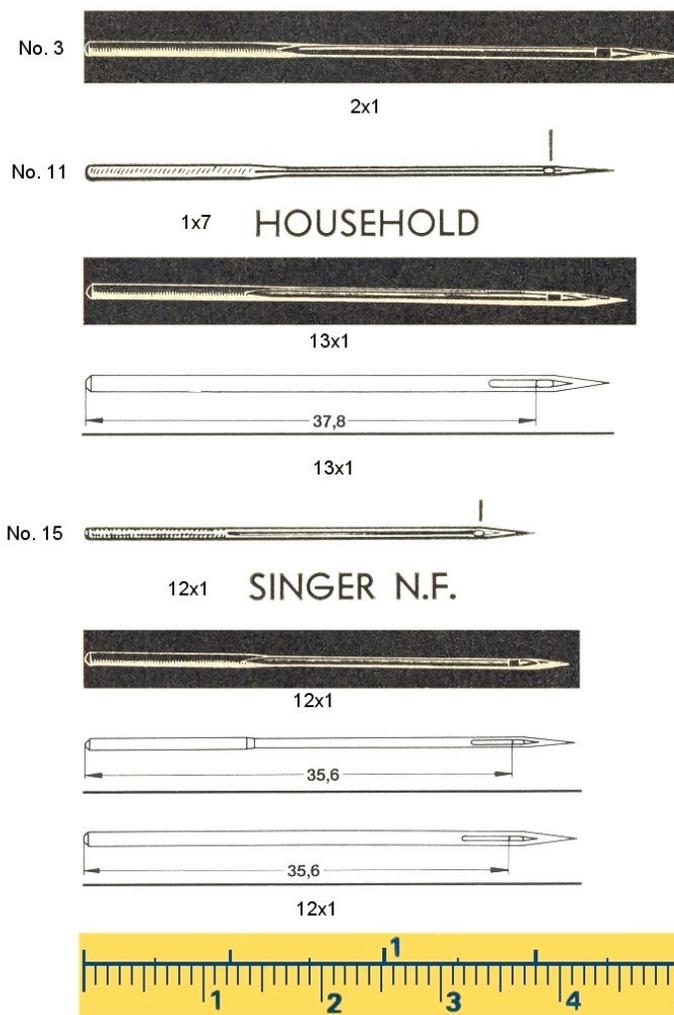
## FAQs and Clarification

Since the publication of the first edition of Mr. Needlebar's Needle Book, readers have asked me a number of questions. There has also been discussion on various sewing machine lists about the needles. There have been some false and misleading statements posted which have caused confusion.

Interchangeable does not mean exactly identical. It means there is another needle that is very close to the original and it will work in most machines. In the very early days of the sewing machine industry many machines used a one of a kind, proprietary needle. There were no needle standards. Many of these needles were only made for a very short period of time. Many of the machines were short lived. Around 1900 Singer did a major revision of their needles. They published lists which indicated which of their needles could be used for many of these obsolete (nonSinger) machines. Companies like Boye and Free also tried to simplify the entire process. They merged a lot of similar needles together and put out a needle that would work in a majority of machines.

### Shankless Needles

#### Number 11 and 15 on the chart



There is a lot of confusion about the 13x1 and 12x1 needles. They both can vary in length depending upon the manufacturer. Machines that use these needles have no needle stop. They can be set higher or lower, hence the variation in length.

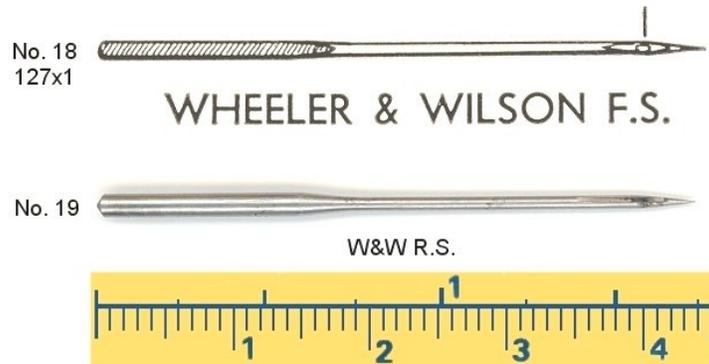
You will see on the chart number 11 says 1x7 / 13x1. The 1x7 was used by Household SM Co. and June SM Co. It's basically a 13x1 with a very tiny flat side on it. Singer discontinued the 1x7 and told people to use the 13x1 instead. The Boye Co. continued to make this needle as their No. 2.

The 12x1 needles vary in length from about 1 ½ to 1 5/8 inches long. The Boye 23 is on the short side. Very early European needles tend to be long.

## Wheeler & Wilson Needles

### Number 18 and 19 on the chart.

There is a lot of frustration among Wheeler & Wilson collectors because the 127x1 needle is very hard to find. This is a flat shank needle. Right below it on the chart is the number 19. This is a round shank version of the 127x1. (e.g. used on the early W&W 8 model).



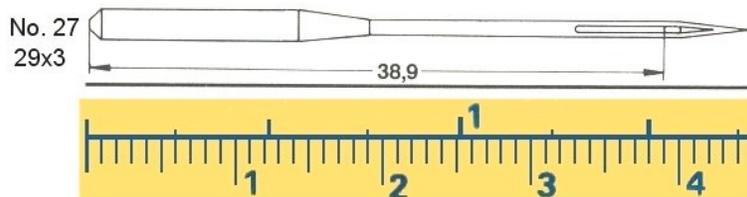
For some machines that use a flat shank needle you can use a round shank if the needle bar and clamp area will allow it. You would have to check your individual machine and see if a round shank would throw it out of alignment with the needle hole. This W&W round shank needle is very close to the 29x3 needle (number 27 on the chart). These are still available from industrial sewing machine suppliers. The 29x3 might work in a machine that needs a 127x1.

### Question

I have seen these 29x3 needles being used in a Singer industrial model 29. They are 2 1/8 inches long. How can this be used in place of a 127x1 which is 1 3/4 inches long?

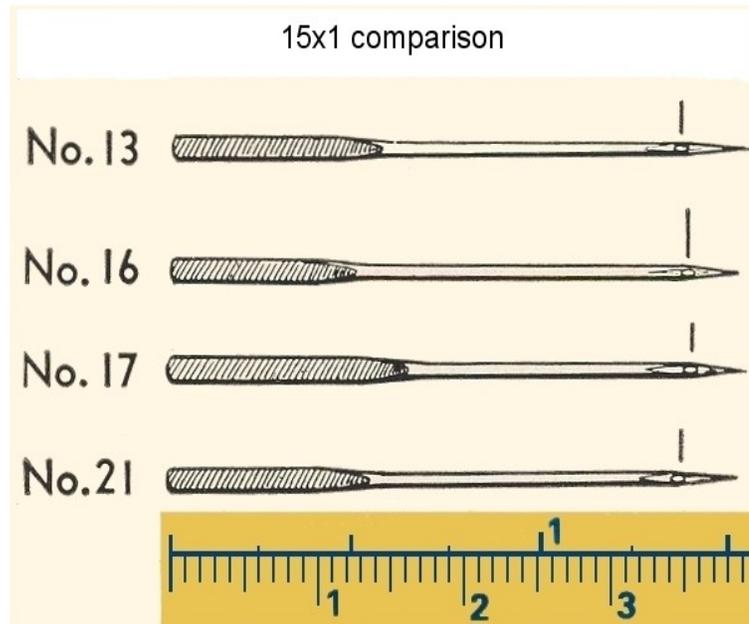
### Answer

That is the 29x3 LG. Make sure you order the regular 29x3.



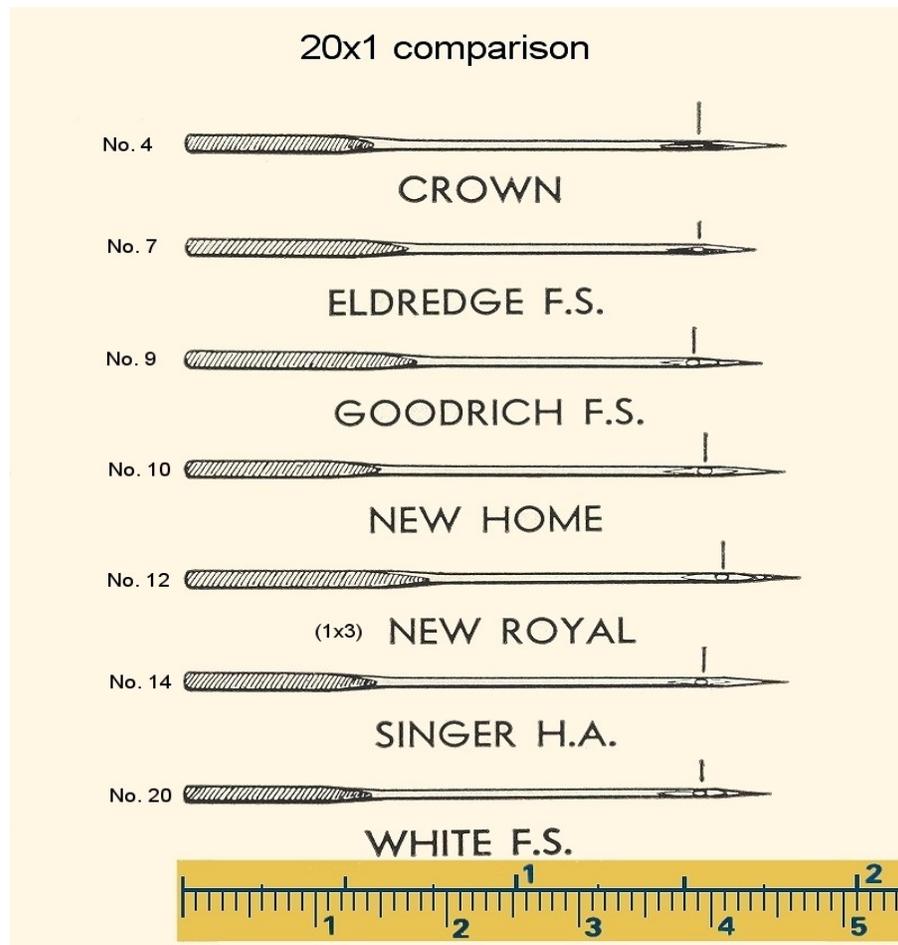
## Class 15 Needles

### Comparison of 15x1 Needles (Chart # 13, 16, 17 & 21)



## Class 20 Needles

### Comparison of 20x1 Needles (Chart #4, 7, 9, 10, 12, 14, 20)



## Class 16 Needles

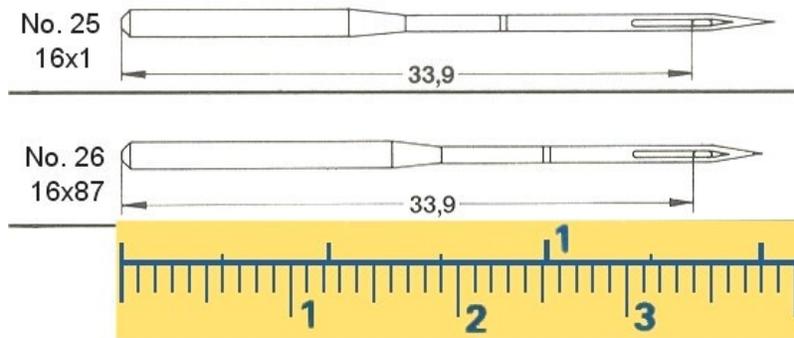
**Number 25 and 26 on the chart.**

### Question

I just bought a Singer 31-15 (or a 31-20) machine. The manual says to use a 16x87 needle on a power table and a 16x73 on a treadle. Why would you need a different needle for a treadle?

### Answer

The 16x87 needle has a stronger shank. It can withstand more stress from using a motor.



### Question

I contacted an industrial sewing machine supplier to order the 16x73 needles and was told these needles are obsolete or I ordered 16x73 needles from a supplier and they sent me 16x1 needles.

### Answer

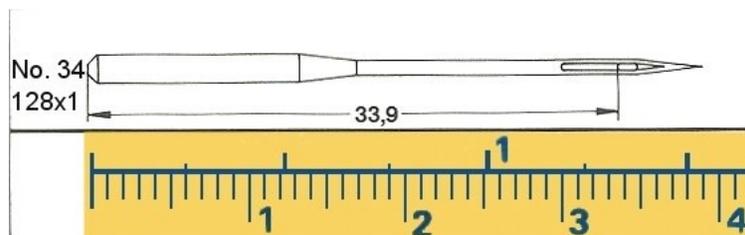
The 16x73 needles are obsolete. You can use the 16x1 needles. Subtle differences that matter on a high speed industrial machine don't matter on a treadle. Many of the class 16 needles are interchangeable. e.g. 16x1, 16x87, 16x95, 16x257, 16x231 can usually be switched.

### Question

What is this 128x1 (number 34 on the chart) needle listed for the Jones machine? I was always told it used a 16x1?

### Answer

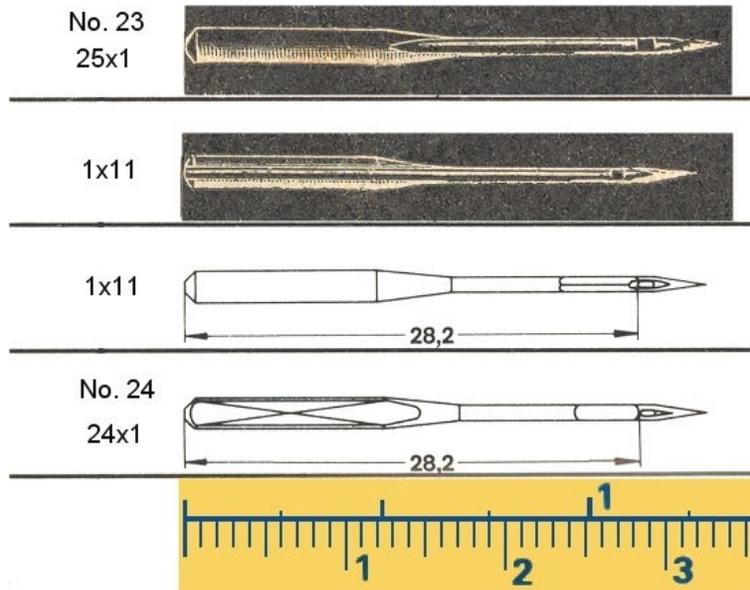
Many people use a 16x1 for the Jones with no problems. The 128x1 is the needle that Jones specified.



## Chainstitch Needles

### Number 23 and 24 on the chart.

The 24x1 is a flat shank needle used mainly on the Singer model 24 and Singer model 20 toy machine. The 25x1 is the round shank version of the 24x1. The 1x11 is also a round shank needle but it has a groove that runs all the way to the top of the shank. The Willcox & Gibbs chainstitch machine uses the needle with the groove. There are some specialized industrial W&G models that do not require the groove. There were also a number of companies that made a machine similar to the W&G (e.g. German industrial hat machines). These machines do not require the groove.



## Rotary Needles

### Number 22 on the chart.

The Free CC Rotary needles are somewhat hard to find. Often they will be in packs that say 40F1 on them. The 206x13 are listed as a replacement needle. When they stopped making the 40F1 needle, dealers were told to use the 206x13 needle instead. They are not exactly identical. The 40F1 has the eye about 1 mm higher. A number of people have tested them. People with Free Rotary machines have tried the 206x13 and reported that they worked just fine. People have also tried the 40F1 needle in Singer machines that use the 206x13 and had no problems.



## Curved Needles

### Comparison of Curved Needles (Numbers 29, 30, 31 & 33 on the chart)



1776 1876.

NATIONAL NEEDLE CO.  
MANUFACTURERS OF

“STANDARD NEEDLES”

FOR ALL  
SEWING MACHINES.

PRACTICAL EXHIBIT SECTION C, COLUMN 40, MACHINERY HALL,  
INTERNATIONAL EXHIBITION,  
*where the needles made are sold in large or small quantities.*

OFFICE AND WORKS: SPRINGFIELD, MASS.

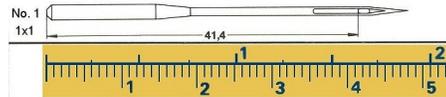
## **Section C**

List of Needle Types

and

Compatible Machines

# NEEDLE CODE 1



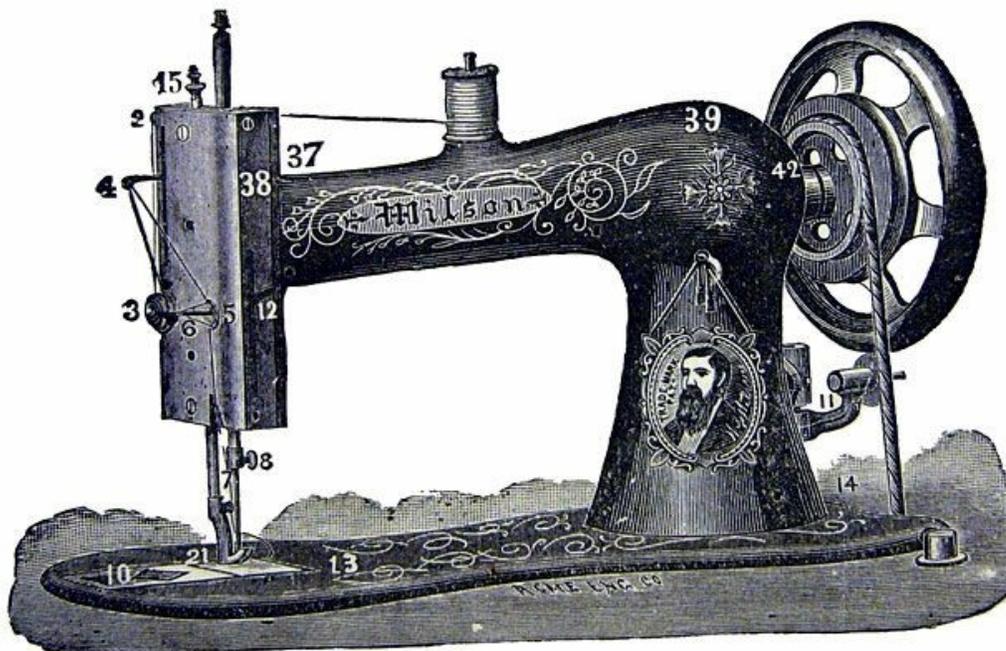
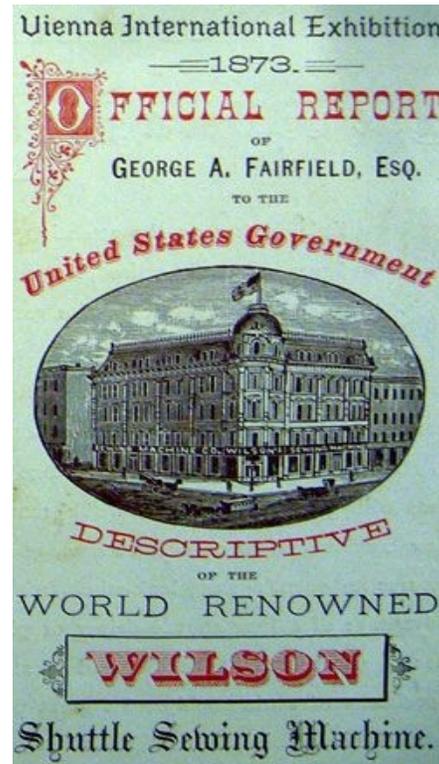
## EARLY WHITE ROUND SHANK

Singer - 1 X 1    Boye - 20    Schmetz - 44:25    European - 81

Company  
Code

Machine Name

- A1    American O. S.
- A1    American Plain
- B7    Bradbury Wellington
- Canda
- D1    Columbia
- D1    Conover
- W5    Davis
- H2    Howe A, C, D, F
- K1    Keystone (old)
- Manning
- A1    New American No. 12
- W7    New Wilson orig.
- L7    Nova
- G3    Osborn
- O1    Oxford No. 2
- W5    Peerless
- Polytype
- R2    Raymond
- F4    Victor
- W10    Wanzer A.
- W2    Weed Gen. Fav.
- Wheel Enterprise
- W5    White Vibrator to #581000
- W7    Wilson B
- W7    Wilson O. S.
- W7    Wilson Oscillator



## NEEDLE CODE 2



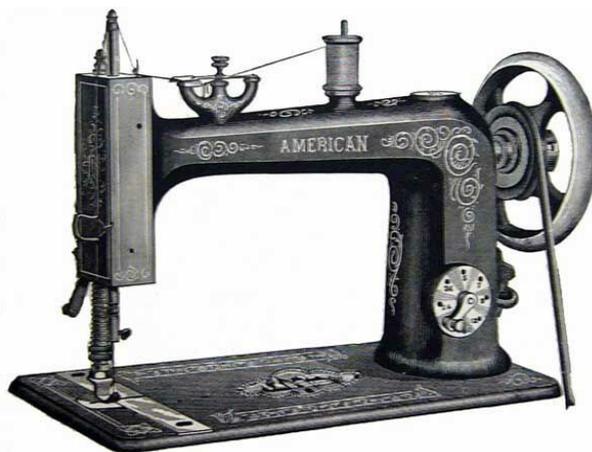
AMERICAN FLAT SHANK  
Boye - 26 Brewer - A

Company  
Code

Machine Name

A1  
A1

American No. 7  
New American No. 7



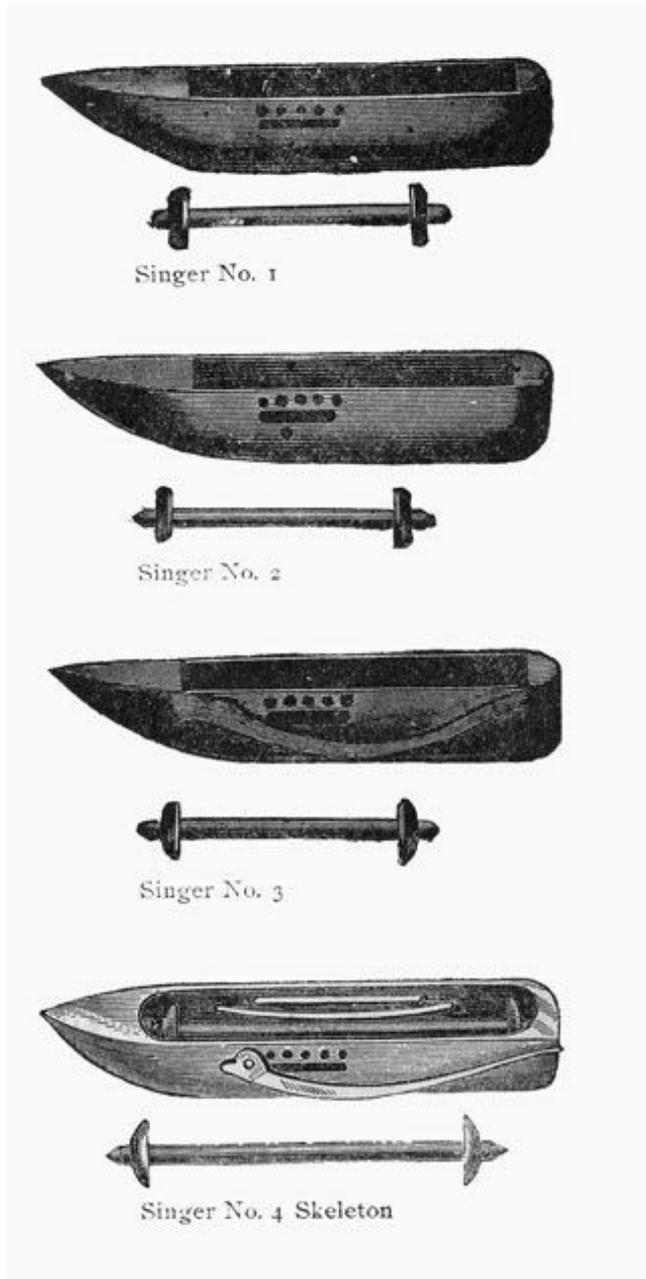
# NEEDLE CODE 3



## ROUND SHANK

Singer - 2 X 1 Schmetz - 50:10 European - 361, 382

Company Code	Machine Name
B6	Afrana Medium
M5	Clemens Müller TS Medium
F2	Florence O. S. Industrial
F6	Frister & Rossmann Medium
G6	Grimme Natalis Medium
G7	Gritzner Medium
G2	Grover & Baker (straight round shank)
H3	Haid & Neu TS Medium
J3	Jones TS Medium
K4	Kayser TS Medium
K7	Köhler TS Medium
P3	Pfaff TS Medium
S1	Singer 2 Standard
S1	Singer 3 Standard
S1	Singer 4 Mfg.
T2	Thomas #2
D8	Vesta Medium
W12	Winselmann Medium



## Lammertz Nadeln

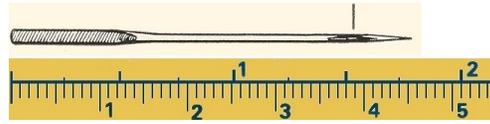
Ab 1861 die Nadelfabrik Leo Lammertz gegründet wurde, stand die Nähmaschine am Anfang ihrer Entwicklung. Wo sie Eingang fand, waren bald auch Lammertz Nadeln bekannt und erlangten Weltweite wegen ihrer Güte. Deshalb steht der Name Lammertz für Qualität.

Reibungsgünstiger Querschnitt  
Drehwindige Ober- und Oberflächenpolitur  
Höchste Maßgenauigkeit  
Hervorragende Flexibilität  
Lammertz Nadeln für hochleistungsfähige Nähmaschinen entwickelt und mit Liebe für Sie gefertigt.

Weltmarke aus Aachen

Leo Lammertz, Nadelfabrik  
Umbel & Co. KG  
Saarnstr. 74 · D-51055 Aachen  
Telefon (0241) 310349  
Telex 0832743 leoda d

## NEEDLE CODE 4



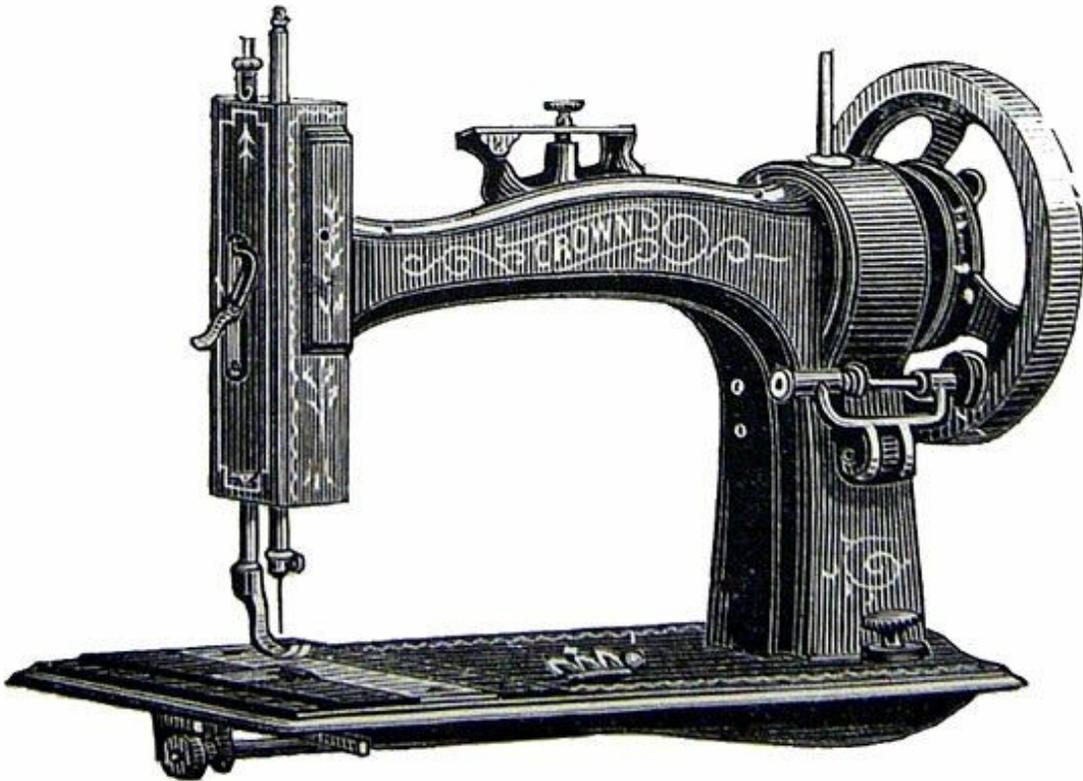
### CROWN

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - B  
Brewer No. - 1 National - C White - B European - 712

Company  
Code

Machine Name

M1	Crown
M1	Florence
W13	High Arm Philadelphia
W13	Philadelphia H. A.



THE "CROWN" SEWING MACHINE.


**"CROWN"  
SEWING  
MACHINES.**

My advt. is small, and so are my prices, but big value for all and liberal treatment of customers brings me a large trade. Send for big circulars

**GEO. P. BENT,  
SOLE AGENT,  
287 WABASH AVENUE  
CHICAGO ILLS.**

# NEEDLE CODE 5



## DAVIS LONG

Singer - 1 X 2 Free - FF Boye - 10 Brewer - C Brewer No. - 2  
 National - B White - F Crowley - 54 Torrington - F  
 European - 86, 186, 350

Company Code	Machine Name	Company Code	Machine Name
D1	Acme	D1	Chinic
D1	Adams		Choice
D1	Adelaide	D1	Cleveland
D1	Admiral	D1	Clinic
D1	Advance	D1	Columbus
D1	Advance Union	M1	Comfort
D1	Ajax	D1	Commercial
C3	Albion	D1	Commonwealth
D1	Alexandria		Cornett
D1	Alliance	D1	Corola
E4	Alvah		Corona
D1	America	D1	Coronell
D1	American Beauty	D1	Coronet
D1	Apax	N2	Courier Journal
D1	Argonaut	D1	Crawford
D1	Arlington	D1	Crescent
D1	Arlington Cash Buyer's Union	F1	Crown Jewell
D1	Arlington Jewell	D1	Cumberland
D1	Atlantic	D1	Da Horn Sing
	B. W. C.	D1	Daisey
D1	Banner	D1	Datonia
D1	Bartlett	D1	Davies
D1	Beach	D1	Davis
M1	Bee Hive	D1	Davis A
D1	Beigle	D1	Davis Long
D1	Ben Hur	D1	Davis Vertical Feed early High Arm
M1	Bession	D1	Davis Vibrator D, M, N
D1	Blade	D1	Davis Vibrator E #550000 to #627000
D1	Blue Ribbon	D1	Dayton
D1	Bon, The	D1	Daytonia
D1	Boston	D1	Defiance
D1	Buckeye	D1	Delight
D1	Burdick 2-B	D1	Denver
D1	Burdick No. 3	N2	Despatch
F1	Butler	D1	Detonia
	C & C	D6	Diamond
N2	Cadillac No. 2	D1	Dixie
D1	Cambria	N2	Dressmaker
M1	Capitol	D1	Dunham
D1	Carnival		Durham
D1	Centura	D1	Eclipse
D1	Challenge	D1	Edwards
N2	Champion		Electro
D1	Chattanooga	F1	Elite
D1	Chelsea	E4	Ely
D1	Chief	D1	Empire

# NEEDLE CODE 5

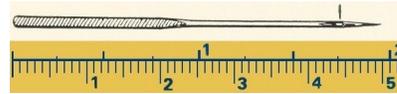


## DAVIS LONG

Singer - 1 X 2 Free - FF Boye - 10 Brewer - C Brewer No. - 2  
 National - B White - F Crowley - 54 Torrington - F  
 European - 86, 186, 350

Company Code	Machine Name	Company Code	Machine Name
D1	Empress	N2	Journal
D1	Essex	D1	Kansas City
D1	Excelsior	D1	Kelly
D1	Fair	D1	Kendrick
D1	Fairbanks	D1	Kenton
F1	Falls City	K1	Keystone
D1	Fashion	D1	King Cotton
D1	Favorite	F1	Knickerbocker
D1	Fireside	D1	La Canadian
F2	Florence N. S. Industrial	N2	Ladies Friend
D1	Fountain	D1	Lady Baltimore
D1	Fulton	D1	Lakeview
D1	Gail	D1	Laval
D1	Garden City	D1	Lawfer
D1	Georgia	D1	Lexington
D1	Gimbel	D1	Liberty
D1	Gladiator	D1	Loeser
N2	Gold Dust	D1	Loretta
D1	Gold Hibbard	D1	Macey R. R. Red Star
	Grail		Majestic
D1	Grand	G1	Manchester
D1	Grand Union	D1	Manhattan (old)
	Granger	N2	Manilla
D1	Gulf Queen	D1	Mansion
G1	Haines O. S.	D1	Marathon
D1	Halcyon	N2	Marvel
D1	Hales Special	M1	Masonia
D1	Hamilton	D1	Matchless
D1	Hanover B	D1	Mathews
D1	Harvard	D1	Maud
D1	Henderson B	D1	McAlpin
D1	Henrietta	D1	Michigan Farmer
	Hibbard	D1	Minnesota No. 2
D1	Home	D1	Minnesota No. 3
N2	Home & Farm Imp.	D1	Modern
	Home Imp.	D1	Monarch
D1	Honeymoon	D1	Monitor
N2	Household Queen	D1	Monroe
	Howard	D1	Mullins
	Improved New Champion	D1	Nabob
D1	Index	D1	Namson
D1	Indiana	D1	Navarre
A1	Iowa No. 1	D1	Netzon
D1	Iowa No. 2	D1	Netzow
A1	Iowa No. 4	D1	New Acme
D1	Jewell	D1	New American

# NEEDLE CODE 5

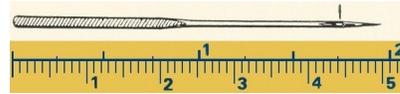


## DAVIS LONG

Singer - 1 X 2 Free - FF Boye - 10 Brewer - C Brewer No. - 2  
 National - B White - F Crowley - 54 Torrington - F  
 European - 86, 186, 350

Company Code	Machine Name	Company Code	Machine Name
D1	New Baldwin	D1	Pathfinder
D1	New Bartlett	D1	Paul
	New Beacon	D1	Pearl
D1	New Centenial	D1	Pemberton
M1	New Century	D1	Peoria
D1	New Companion	D1	Perfection
D1	New Conover	D1	Pet
D1	New Cottage	D1	Pettis
D1	New Davis	D1	Philippine
D1	New Dixie	D1	Philopene
D1	New England	D1	Pinnickinnick
D1	New Favorite	N2	Pioneer
D1	New Fireside	D1	Popular
D1	New Hibbard	D4	Princess
	New Hillards	D1	Quality
D1	New Hope	D1	Queen
H2	New Howe G (late)	D1	Queen City
D1	New King	D1	Queen Home
D1	New Leader		Queen Improved
D1	New Netzow	D1	Ranger
D1	New Progress	D1	Red Cross
R2	New Raymond	D1	Regal
D1	New Reliable	D1	Renfrew
D1	New Rex	D1	Rival
D1	New South No. 1		Ruby
D1	New Stockman	D1	Rugby
D1	New Superb	D1	Sangamon
D1	New Triumph		Schenley
D1	New Vassar		Scott
D1	New Victor	D1	Sears Roebuck
D1	New Victory	D1	Security
G1	New Victory No. 9	D1	Sequoia
D1	New Wilson	D1	Seybold
D1	New Winner	D1	Signal
D5	New York	D1	Silent
D1	Newton	D1	Silver King
N3	Noble	D1	Southern
N2	Nonpareil	D1	Southern Bell
D1	Nordica	D1	Southern Belle
D1	Norleigh Diamond		Southern Jewel
D1	Ohio		Southern Pride
D1	Ohio Farmer	D1	Star
N2	Orient	D1	Sterling
	Orleans	N2	Success
	Paquet Z.	D1	Sultan
D1	Parisian	D1	Sun & Voice

# NEEDLE CODE 5



## DAVIS LONG

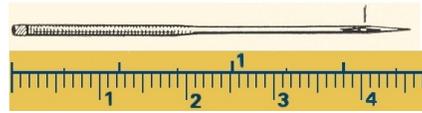
Singer - 1 X 2 Free - FF Boye - 10 Brewer - C Brewer No. - 2  
 National - B White - F Crowley - 54 Torrington - F  
 European - 86, 186, 350

Company Code	Machine Name
D1	Sunray
D1	Sunshine
D1	Superb
D1	Superba
D1	Superior
D1	Surety
D1	Swank
D1	Tremont
D1	Triumph
M1	Twentieth Century
F1	Unaka
D1	Union
D1	Union Advance
D1	Union American
D1	Unique
D1	Universal
D1	Vance, The
D1	Velox
D1	Velox 2
D1	Venture
D1	Victor
D1	Victory
G1	Victory New No. 9
D1	Walbridge

Company Code	Machine Name
D1	Wanamaker
W10	Wanzer C.
D1	Weise, Fisher Co.
M1	Western
N2	Westmoreland
F1	White Star
M1	Whitehouse
D1	Winner
	Woldrust
D1	Woodruff
D1	Worlds Best
G1	Xmas
M1	Zenobia



# NEEDLE CODE 6

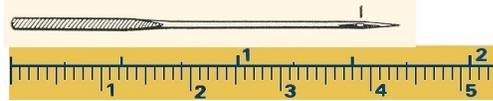


## DOMESTIC TOP NOTCH

Singer - 1 X 4 Free - GG Boye - 8 Brewer - D Brewer No. - 3  
 National - A White - G Crowley - 52 Torrington - H  
 European - 427, 665

Company Code	Machine Name	Company Code	Machine Name
N2	Alliance		McKee, The
N2	Atlanta	N2	Midland
G1	Atlanta Constitution		Monarch
B3	Boston	S3	Monitor
B7	Bradbury 5	D2	Mund
N2	Capital	L1	New Century Leader
D2	Champion (Domestic)	D2	New Domestic
N2	Columbia	N2	New Jewell
N2	Conquest	F1	New Sterling
	Corolla	W9	New Williams
	Country Side	D5	New York
N2	Courier Journal	D2	New York Domestic
	Crawford	G1	Newark
	Cumberland		Newport
G1	Daisey		Niobe
N2	Dallas	N3	Noble
D7	Dauntless	D4	Princess
D5	Demorest		Progress
D6	Diamond	N2	Queen American
N2	Dixie	E2	Queen City
D2	Domestic N. S.	D7	Queen Dauntless
D2	Domestic No. 4 & 8		Queen Norwalk
N2	Duchess	D7	Queen O. S.
E2	Eclipse No. 4	D2	Reliable
G1	Ellis B.		Rival
N2	Emerson	F1	Royal St. John (old)
S4	Empress	D2	Sears Roebuck
E1	Estey		Signal
G1	Fife	F1	St. John O. S.
	Fireside		Star
G4	Gardner		Superior
G5	Gates	G1	Swan
H3	Haid & Neu Gloriosa	G1	Treasure
W9	Helpmate	G1	Treasurer
	Henrietta	N2	Wanamaker
	Jewell	W2	Weed
N2	Journal	W2	Weed Fam. Fav.
	L'Homadieu	F1	White Star
L4	Love	W6	Whitehill
	L. & S. Special		Whitehouse
	Macy Special	W8	Whitney
N2	Majestic		Winner
M2	Manhattan	M1	Wonder, The
	Marcy		
	Marcy Special		

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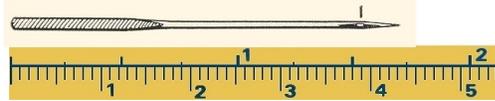


## ELDREDGE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Abbott	N2	August Jr.
N2	Abendale	N2	Austin Special
N2	Abenschule	N2	Auto Trust
N2	Acme	N2	Autocrat
N2	Acworth	N2	Automatic Rotary
N2	Advocate	N2	Automatic Stitch
N2	Aetna latest	N2	Avon
N2	Al Ponetics de Liverpool	N2	Badger
N2	Alamo	N2	Badt J. M.
N2	Alaska	G1	Bailey
N2	Albaugh Dover	G1	Baker
N2	Albemarle	G1	Baldwin
N2	Albion	N2	Balinoral
N2	Alladin	N2	Balliet
N2	Alliance	N2	Balliet J. R.
N2	Alma	N2	Baltimore
N2	Almacen San Miguel	N2	Bamberger
G1	Alosh	G1	Banfield
N2	Alta	N2	Banner
N2	Alto	N2	Bannerman
N2	Alva	N2	Banta
N2	Always Ready	N2	Barbosa Coraceivich
N2	Amazon	N2	Bartlett
N2	American	N2	Bastedor O'Damode
N2	American Beauty	N2	Baston D. Y.
N2	American Lady	N2	Batesville
N2	American National	D1	Bay State
N2	American New	N2	Bazar
A1	American No. 9	N2	Bazar, Francis
G1	American Queen	N2	Beacon
N2	American Rotary	N2	Beacon Imp.
N2	American Special	N2	Beance
N2	Americo	N2	Beaver
G1	Anderson	N2	Bedford
N2	Anita	N2	Behrenden National
G1	Antic	N2	Bel Isle
N2	Apex	N2	Belair
N2	Arcade	G1	Bell
N2	Arlington		Bell H. P. Son & Co.
N2	Arlington Gem	N2	Belle
N2	Arlington Queen	G1	Bellview
N2	Arrow	N2	Belmont
N2	Ashland	N2	Belvidere
N2	Atchison	N2	Benjamin
N2	Atlanta	N2	Bennita
N2	Atlas	N2	Benty

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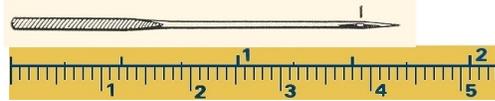


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Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Berkle	N2	Busy Woman
N2	Berkley	N2	Cabinet
N2	Berta	N2	Cadillac No. 1
N2	Betsy Ross	N2	Calfat
N2	Betz	G1	California
N2	Beulah, The	G1	Cameo
G1	Biffor	G1	Cameran
N2	Blackhawk	N2	Canadian
G1	Blade	N2	Canadian Empire
N2	Blocks	N2	Capital
G1	Blue Diamond	N2	Car
N2	Blue Ridge	N2	Carmelita
N2	Bluff City	N2	Carola
N2	Boans	N2	Carolina
G1	Bob Stanley, Clipper	N2	Carrara
N2	Boetler	N2	Carren
G1	Bolton	G1	Carter
N2	Bonaventure	N2	Case Leader
N2	Bonita	N2	Case, The
N2	Bonota	N2	Cases
G1	Booster	N2	Cases No. 1
N2	Borg Special	N2	Celeste
N2	Boutell	N2	Century Mfg. Co.
G1	Bradford	N2	Ceres
N2	Bramor	N2	Challenge
N2	Brewer AE- BE	N2	Champion Barr's
N2	Brewer Rotary E	N2	Champion N. S.
N2	Brewer's Rotary	N2	Chant & Co
N2	Bride	N2	Chant & Powell
N2	Bright Star	N2	Charmer
N2	Briscoe Bros.	N2	Charter Oak
G1	Bristol	N2	Chase City
G1	Brookshire	N2	Chatham
N2	Brosco	N2	Cheerful Moments
N2	Brunswick	N2	Chesapeake
G1	Buffalo	G1	Chicago
N2	Buhl	N2	Chicago
N2	Bungalow	N2	Chief Wapello
N2	Bur Oak	N2	Childs Special
N2	Burchwale	N2	Chiles
N2	Burdick No. 1	N2	China
N2	Burlington	N2	Christian Courier
G1	Burnett	N2	Christie
N2	Burnett's Choice	N2	Clarendon
N2	Burton	N2	Classic
N2	Busy Bee	N2	Clay's

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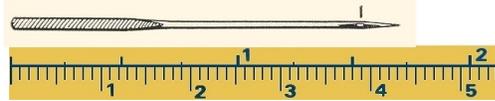


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Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Clays Special	N2	Days
N2	Clayton	N2	Day's Special
N2	Cleancut	G1	De Lux
N2	Clifford	N2	De Morley
N2	Clifton	N2	De Sola H. & Co.
N2	Cockran	N2	De Soto
N2	Cohn D.	N2	Dearing
N2	Cohn's	N2	Decatur
N2	Collins	N2	Decora Special
N2	Colonial House	N2	Decorah Posten
N2	Colonial Mfg. Co.	N2	Defiance
N2	Columbian	N2	Delmar
N2	Columbian Rotns	N2	Deluxe
N2	Columbus Special	N2	Democrat
N2	Commercial	N2	Demolay
N2	Companion	N2	Dempsters
N2	Companion City	N2	Den Danske Pioneer
N2	Competition	N2	Dennison
N2	Comus	N2	Denver
N2	Con Sew Rotary	N2	Departure
N2	Concordia	N2	Despatch
N2	Connell's Leader	N2	Detroit
N2	Conqueror	N2	Deveraux Frank
N2	Conquest	N2	Devon
N2	Constitution	N2	Dewitt
N2	Continental	N2	Diamond
N2	Copeland	N2	Diana
N2	Corner Stone	N2	Ditzer
N2	Corrara	N2	Dixie Queen
N2	Cottage	N2	Dixie, The
N2	Couilliard	N2	Dixon
N2	Courier	N2	Dodge Rotary
N2	Courier Journal	N2	Dome Rotary
N2	Criterion	G1	Domestic Old
G1	Czar	N2	Dominion
N2	Daffodil, The	N2	Dorcas
N2	Dailey & Co.	N2	Drake
N2	Daileys	N2	Dressmaker
N2	Dallas Democrat	N2	Droyer
N2	Damascus	N2	Droyer B.
G1	Dandy	N2	Druid
N2	Danson	N2	Duchess
N2	Darlington	N2	Duplex
N2	Dauphine	N2	Duske Pioneer
N2	Davenport	N2	Dutchess
N2	Davidson	G1	Duval

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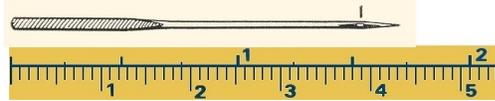


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Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
G1	Duyer	N2	Fairview
N2	Eagle	N2	Fairy
G1	Eames	N2	Fairy Queen
N2	Earl	N2	Family Friend
N2	Eastern	N2	Family Grand
N2	Eatonia	N2	Family Jewel
N2	Economy	N2	Family Pride
N2	Edgemere	N2	Famous
G1	Edgemore	N2	Farm & Ranch
G1	Edison AB	N2	Farmers Alliance
N2	El Galto	N2	Farmers Guide
N2	El Genio	N2	Farmers Union
N2	El Globo	N2	Faultless
N2	Eld, The	G1	Films Favorite
N2	Eldorado	N2	Fletcher
N2	Eldredge C, D, E	N2	Florals
N2	Eldredge Special	N2	Florida
N2	Eldredge Vibrator	N2	Foleys Vindex
N2	Electric City	N2	Ford
N2	Elite	G1	Foster
N2	Ellenhurst	N2	Fram A.
N2	Elliptic	N2	Francis Willard
G1	Ellis	N2	Franklin, The
G1	Ellis B.	N2	French Hitchcock
N2	Elma	N2	Friday
N2	Elmira	N2	Fulga Bros.
N2	Elro	N2	Full Dinner Pail
N2	Elva	N2	Fuller
N2	Elwess	N2	Fulton
N2	Ely	N2	Gainsborough
N2	Emerson	N2	Galloway
N2	Emma	N2	Gamoriel
G1	Emporium	N2	Ganda
N2	Endora	N2	Gannon
N2	England	N2	Garden City
N2	Englewood	N2	Gaucha
N2	Envoy	N2	Gauger
N2	Erie	N2	Gayiety
N2	Ermine	N2	Gaylor
N2	Estey	N2	Gayoso
N2	Eudora	N2	Gem City
N2	Evans	N2	Genesee
G1	Ever Ready	N2	Germania
N2	Excellent	N2	Gibbon
N2	Excelsior	N2	Gibbon Co.
N2	Expert	N2	Gillespie

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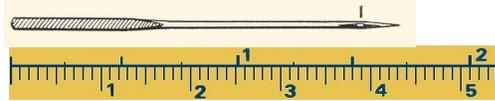


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Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Gimbel Special	N2	Hartin
N2	Glasser	N2	Hartman
N2	Glen Oak	N2	Harvey
N2	Globe	N2	Harvey, The
N2	Globela	G1	Hawkeye
N2	Gold City	F1	Hayden
N2	Gold Dust	N2	Hazel
N2	Gold Medal	N2	Hde, Sol & Co.
N2	Golden City	N2	Hearthstone
N2	Golden Eagle	N2	Helping Hand
N2	Golden West	N2	Hercules
G1	Goldenrod	N2	Hermitage
N2	Good Luck	N2	Hiawatha
G1	Goodrich N. S.	N2	Hibbard
G1	Goodyear	N2	Hickory
N2	Goshen	N2	High Arm Singer
N2	Gospel Advocate	N2	High Arm Victoria
N2	Graciosa	N2	Hightburg
N2	Granada, The Stores	N2	Hines, The
N2	Grand	N2	Hitchcock French
N2	Grand Bulletin	N2	Holman
N2	Grand Pacific	N2	Home & Farm
N2	Grand Union	N2	Home Circle
N2	Grange	N2	Home Comfort
G1	Granore	N2	Home Favorite
N2	Graybar	N2	Home Leader
G1	Great Northern	N2	Home Pride
N2	Griffin	N2	Homer
N2	Griffith	N2	Homestead Rotary
N2	Guyler	N2	Hospodor
N2	Gypsy	N2	Hot Kutter
N2	Hacketo Beauty	N2	Household Queen
N2	Hackett	N2	Housemaid
N2	Hackett's Beauty	N2	Housewife
G1	Haines N. S.	G1	Houston Post No. 2
N2	Hale	N2	Howard
N2	Halls, The	N2	Hues M. Guerro
G1	Hamilton	N2	Hulse
N2	Hancock	N2	Husvennen
N2	Handy	N2	I.X.L.
N2	Handy Sewer	N2	Idaha
G1	Hapgood	N2	Idea
N2	Happy Hearts	N2	Imperial Columbian
N2	Harold	N2	Improved Belvidere
N2	Harper	N2	Improved Eldredge B
N2	Harrison	N2	Improved Faultless

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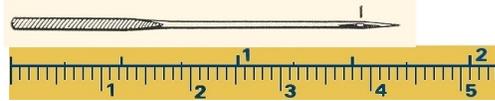


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Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Improved Melville	N2	La International
N2	Improved National	N2	La Ludo
N2	Improved New Cottage	N2	La Manabela
N2	Improved Nirvana	N2	La Mexicana
N2	Improved Nonpareil	N2	La Nacional
N2	Improved Seamstress	N2	La Novedades
N2	Improved Southern	N2	La Nuevadades
N2	Index	N2	La Palma
N2	Indiana Farmer	N2	La Perla-la-Casa-
N2	Inter Ocean	N2	La Pueblo
N2	Invader	N2	La Saporita
N2	Ioma	N2	La Sin Bomb
N2	Iowa No. 1	N2	La Sin-Rival
N2	Iowa No. 3	N2	La Soporeso Pueblo
N2	Iowa Queen	N2	La Tarapaco
N2	Jefferson	N2	La Ver Cost
N2	Jens O. H.	N2	La Viebriosa
N2	Journal	N2	Laclede
G1	Kanokla	N2	Ladies Comfort
N2	Kansas Farmer	N2	Ladies Friend
N2	Kensington	N2	Lady Fayre
N2	Kentucky	N2	Lady Gay
N2	Kentucky Gem	N2	Lakeshore
N2	Kentucky Queen	N2	Leader
N2	Kenwood	N2	Leigh & Crawford
N2	King	N2	Lenington
N2	King Ford	N2	Lenox, The
N2	King Land	N2	Leslie, The
N2	Kingston	N2	Liberty
N2	Kion Chong Son & Co.	N2	Liberty Bell
N2	Kion San Son & Co.	N2	Lincoln
N2	Krafts Gem	N2	Lindel
N2	Kreigers	N2	Lion
N2	Kroegers	N2	Little Gem
N2	La Belle	N2	Livingstone
N2	La Belle Special	N2	Logans Rotary
N2	La Boila Cinfuega	N2	Lonard
N2	La Competida	N2	Long
N2	La Ecquador	N2	Lonke's Special
N2	La Ecquodorator	N2	Lorena
N2	La Estrella	N2	Loretta
N2	La Favorite	N2	Louise
N2	La Frontora	N2	Lozier
N2	La Garalda	N2	Lucas
N2	La Ideal	N2	Lucille
N2	La India	N2	Macys VS

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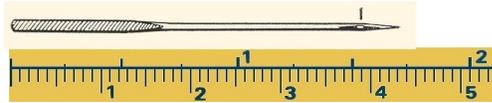


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Company Code	Machine Name	Company Code	Machine Name
N2	Madison	N2	New Ally
N2	Magnolia	N2	New American Lichlador
N2	Mail & Breeze	N2	New Ane
N2	Maltnomer	N2	New Avon
N2	Mandels	N2	New Bartlett
N2	Mandels Spec.	N2	New Belle
N2	Manfield	N2	New Ben Hur
N2	Manhattan	N2	New Bouquet
N2	Marshall-Wells	N2	New Chronicle
N2	Martin	N2	New Cottage
N2	Marvel	N2	New Decatur
N2	Maryland	N2	New Departure
N2	Master	N2	New Devon
N2	Matron, The	N2	New Easy Running
N2	Maywood	N2	New Elmore
N2	McAnish	N2	New Empire
N2	McDowell	N2	New Empress
N2	McKissok	N2	New England Queen
N2	Meldrum	N2	New Equity
N2	Meller	N2	New Era
N2	Melrose	N2	New Fireside
N2	Melville	N2	New Galveston
N2	Metropolitan	N2	New Gillespie
N2	Midland	G1	New Goodrich after 1901
N2	Miller & Wentworth	N2	New Hartford
N2	Milwaukee No. 1	N2	New Hickory
N2	Minneapolis	N2	New Household
N2	Mission	N2	New Jewell Jr.
N2	Missouri	N2	New King
N2	Modes	N2	New Life
N2	Mohawk	N2	New Mode
N2	Momus	N2	New Oriole
N2	Monitor	N2	New Pacific
N2	Montgomery Ward N. S. after 1901	N2	New Paquet
N2	Mundo de Colon	N2	New Peoria
G1	Muskoka	N2	New Pillsbury
N2	Mussina	N2	New Post
N2	Nacional	N2	New Premium
N2	National	N2	New Presto
N2	National Baptistiec	N2	New Rome
N2	National S. M. Co.	N2	New South No. 3
N2	National Supply Co.	N2	New Success
N2	Naura India	N2	New Tremont
N2	Nellie	N2	New Tripp
N2	Nesbit Spec.	N2	New Victor
N2	New Albany		

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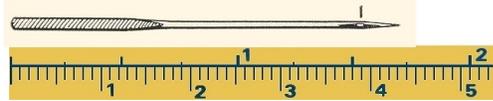


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 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
G1	New Waltham	N2	Pelham
N2	New Whitley	N2	Peninsular
N2	New Wilmot	N2	Penitang
N2	New York Leichador	N2	Perpetual
N2	New Z. Pasquet	N2	Phoenix
N2	Niagra	N2	Pilgrims
N2	No Name	N2	Pioneer
N2	No Try On	N2	Pioneer Press
N2	Nonpareil	G1	Piquette, J. M.
N2	Nordon	N2	Plain
N2	North American	N2	Plymouth
N2	North Queen	N2	Polytype
N2	North Western	N2	Pommer
N2	Nova	N2	Poplar
N2	Nox X. L.	N2	Post Electric
N2	Noxabee Queen	N2	Premium
N2	Noxall	N2	Premium Galveston
N2	Ny Luchador	N2	Premium New Chronicle
G1	Oakdale	N2	Princess
N2	Occident	N2	Princeton
N2	Ogle	N2	Prize, The
G1	Ohio Farmer	N2	Process
N2	Okeh VS	N2	Proteus
N2	Old Homestead	N2	Providence
N2	Olympia	N2	Purity
N2	Oneida	G1	Pyramid
N2	Oppenheimer	N2	Quaker
N2	Orient	N2	Quality
N2	Oritan	N2	Queen
N2	Our Leader	N2	Queen American
N2	Our Pet	N2	Queen Bee
N2	Our Pride	N2	Queen City
N2	Our Surprise	N2	Queen Cottage
N2	Outlet Special	N2	Queen Fairest
N2	Oxford No. 2	N2	Queen Kentucky
N2	Pacific	N2	Queen May
N2	Palace	N2	Queen North
N2	Palmer	N2	Queen Tuxubee
N2	Pansor	N2	Queen Western
N2	Park City	N2	Queen of the West
N2	Parker	N2	Railway
N2	Paul	N2	Rainier
N2	Paveway	N2	Raja
N2	Pearline	N2	Raleigh
N2	Peerless	N2	Ramand
N2	Peerless Rotary	N2	Ramons

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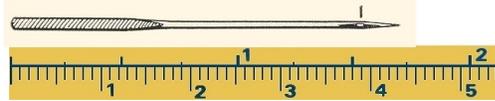


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Company Code	Machine Name	Company Code	Machine Name
N2	Read & Snyder	N2	Secora
N2	Record	N2	Sentinel
N2	Red Star	N2	Seroco
N2	Redgton	N2	Sheldon
N2	Regal BCD Rotary	N2	Shenley, The
N2	Reliable	G1	Signor
N2	Reliance	N2	Silent Princess
N2	Remington	N2	Silver Medal
N2	Renown	N2	Simmons
N2	Republic	N2	Simmons Co
N2	Reputation	F1	Simplex
N2	Rev-O-Noc	N2	Skeleton
N2	Reversew A, B	N2	Slane The
N2	Reversew Rex	N2	Slavic
N2	Rex	N2	Smalley
N2	Rexford	N2	Smythe & Co.
N2	Rialto	N2	Snavelly, C. E.
N2	Richcon Rotary	N2	Soeasy
N2	Ridder	N2	Sonoria
N2	Ridder Adams & Co.	N2	Southwell
N2	Ridgeway	N2	Spear Edge
N2	Ritchdale	N2	Speedway
N2	Riverside	N2	Speedwell
N2	Roberta	N2	Spotless
N2	Robins Spec.	N2	Srojan
N2	Rock City	G1	Srormost
N2	Roding	N2	St. Louis
N2	Root	N2	St. Marys
N2	Rose	N2	Stag
N2	Rose City	N2	Stanley
N2	Rosemary	N2	Steger
G1	Rothenburg & Co.	N2	Steinway
N2	Rotoro	N2	Stella
N2	Run Easy	N2	Stitchwell
N2	Salva Hos.	G1	Store Big Special
N2	Samaornials Spec.	N2	Stores Grenada
N2	Sanchez, M. Y. Hno.	N2	Strange
N2	Sanger	N2	Stratco Electric
N2	Savage	N2	Strawbridge & Clothier
N2	Schiltz	N2	Successful
N2	Schoonmaker J. M. & Son	N2	Sultana
N2	Schwartz Kopp Spec.	N2	Sunflower
N2	Scnavely, C. C.	N2	Sunset
N2	Scully	N2	Sunset Rotary
N2	Seamstress, N. S.	N2	Syndicate
N2	Sears Roebuck	N2	Syracuse

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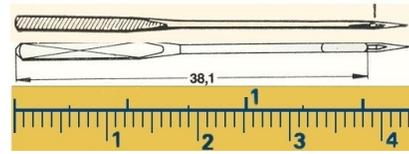
## ELDREDGE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 14 Schmetz - 35:11 Brewer - E  
 Brewer - No. 4 National - C Crowley - 56 Torrington - J European - 712

Company Code	Machine Name	Company Code	Machine Name
N2	Temple	N2	Westlake
N2	Thistle, The	N2	Westmoreland
N2	Tom Cummins New Queen	N2	Weyth
N2	Tri City	N2	Whitehead B.
N2	Trip Imp.	N2	Wild Rose
N2	Trotter	N2	Willamette
N2	Tucker	N2	Willford, B. W. S. & Co.
N2	Tupelo Merc. Co.	N2	Williams
N2	Union Leader	N2	Windsor
N2	United	N2	Witners (after 1901)
N2	Vallarena	N2	Worthmore E
N2	Vance, A.	N2	Wyeth
N2	Vancello	N2	Young & McComb
N2	Vassar	N2	Zenith
N2	Velox	N2	Zephyr Mer. Co.
N2	Vendome	N2	Zuberma
N2	Venus		
N2	Viceroy		
N2	Victoria Caniff		
N2	Vindex		
N2	Vini Model		
N2	Virginia		
N2	Virginian		
N2	Vola		
N2	Volksfreund		
N2	Volkspost		
N2	Volo		
N2	Vulcan		
N2	Wacerly		
G1	Wagener		
N2	Wah-Wah		
N2	Walker		
N2	Waltham		
G1	Wanless		
N2	Wannamaker National		
N2	Ward (N. S.)		
N2	Watchman, The		
N2	Watson		
N2	Wauson		
N2	Wayne		
N2	Weal		
N2	Wellworth E.		
N2	Wentworth		
N2	Western Electric		
N2	Western Electric VS 1		
N2	Westinghouse		



# NEEDLE CODE 8



## ELDREDGE ROTARY

Free - DD Boye - 21 Schmetz - 32:11 Brewer No. - 5 National - J  
 White - D European - 38 Other - 50N1

Company Code	Machine Name
N2	Acme Rotary
N2	Advance Rotary
N2	Always Ready
N2	Bartlett Rotary
N2	Betsy Ross Rotary
N2	Brewer Rotary
N2	Brittain Rotary
N2	Brunswick Rotary
N2	Columbus Rotary
N2	Coronado Rotary
N2	Crescent Rotary
N2	Damascus Rotary
N2	Delta Rotary
N2	Eldredge Rotary
N2	Enterprise
N2	Graybar Rotary
N2	Kenwood Rotary
N2	LaSalle Rotary
N2	Macys Rotary
N2	Majestic Rotary
N2	Manilla
N2	Mansion
N2	Marswells Rotary
N2	Milwaukee No. 2
N2	Minnehaha Rotary
N2	Model A Rotary
N2	National Rotary
N2	New England Rotary
N2	New Hickory Rotary
N2	Not Nac Rotary
N2	Occidental
N2	Okeh Rotary
N2	Old Homestead Rotary
N2	Paragon Rotary
N2	Premier Rotary
N2	Puritan
N2	Queen of the West Rotary
N2	Red Cross Rotary
N2	Redgeton Rotary
N2	Reversew Rotary
	Rotary O Arm
	Rotary square arm
N2	Salt Lake Rotary
N2	Scarbrough Rotary
N2	Seamstress Rotary
N2	Sew Rite Rotary
N2	Shapleigh

Company Code	Machine Name
N2	So-Ezy-Rotary
N2	Superior
N2	Thompson Rotary
N2	Townley Rotary
N2	Trebing Rotary
N2	Volo
N2	Walden Rotary
N2	Wards Rotary
N2	Western Electric Rotary
N2	Wright
N2	Zork Rotary

**60 Years  
of Fine Workmanship**



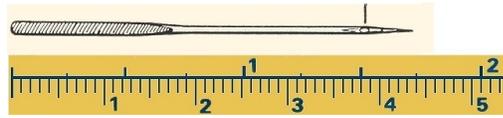
**1879**  
They Were  
**MODERN**  
Then



**1939**  
They Are  
**MODERN**  
Today

**NATIONAL SEWING MACHINE CO.**  
BELVIDERE, ILLINOIS

# NEEDLE CODE 9

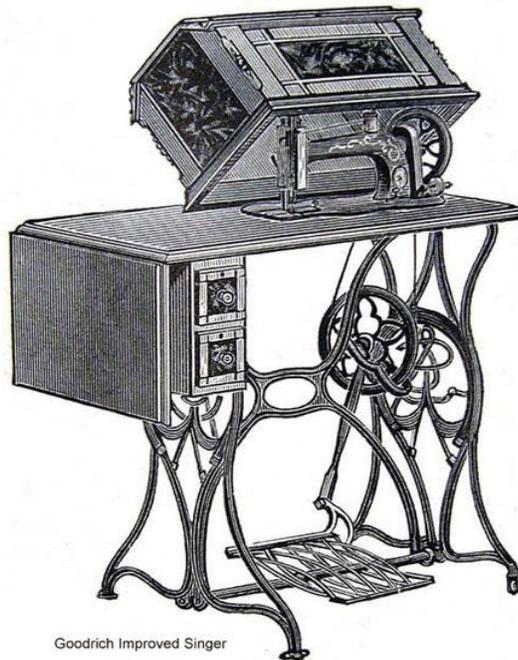


## GOODRICH FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 4 or 21 Schmetz - 35:11  
 Brewer - F Brewer No. - 7 National - C White - B European - 712

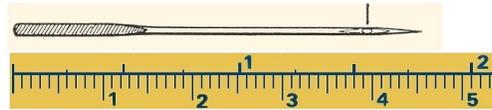
Company Code	Machine Name
G1	Baltimore, The
G1	Belle, The
G1	Hills
G1	Homewood
G1	Honor Bright
G1	Improved Model
G1	Kent
G1	Kingsford
G1	Kirkwood
G1	La Moderna
G1	Lakewood
G1	Langs
G1	Lenhart
G1	Livestock
N2	M. & W. after 1901
G1	Mab
G1	Major
G1	Manchester
M1	Matchless
G1	Mayflower
G1	May Queen
G1	Mercury
G1	Milwauka
G1	Model
G1	Myrtle
G1	Nashville
G1	New Fife
G1	New Model
G1	New Pittsburgh
G1	New Rival
G1	New South No. 2
G1	New Triumph
G1	New Victory No. 9
G1	New Yale
G1	New York
G1	Oakland
G1	Observer
G1	Ohio
G1	Old Chronicle Premium
G1	Olney
G1	Olney, B. W.
G1	Oregon
G1	Our Special
G1	Our Wonder
G1	Oxford No. 1
G1	Pacific Queen
G1	Paragold

Company Code	Machine Name
G1	Pennsylvania
G1	Perfecto
G1	Piedmont
G1	Planet
G1	Premium Houston
G1	Quincy
G1	Redford
G1	Regina
G1	Reno
G1	Ritters
G1	Roberts
G1	Scandanavian
G1	St. Paul
G1	Sterling
G1	Sunshine
G1	Supreme
G1	Treasure
G1	Utopia
G1	Weavers Special
G1	Winchester
G1	Xmas



Goodrich Improved Singer

# NEEDLE CODE 10



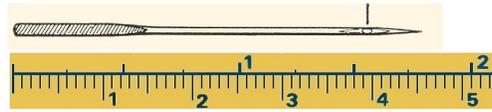
## NEW HOME

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - G  
 Brewer No. - 8 National - C White - B Crowley - 60 Torrington - R  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
E4	Alvah (Cylinder)	N1	Governor
N1	American Union	N1	Greyhound
N1	Amerikan	N1	Happy Home
N1	Appleton	N1	Housemate
N1	Arbest	H2	Howe G. Latest
N1	Atlantis	N1	Hudgkins
N1	Avona	N1	Hudson
N1	Bond Turney Hdwe Co.	N1	Imperial
N1	Bonia	N1	International
B3	Boston Self Threading	N1	Jennings
N1	Brewer O-Keh	N1	Kvinder-öz Hjemmet
B4	Brosius	N1	La Joya-del-Hager
W7	Buckeye N. S.	N1	Little Worker
N1	Cables	N1	Macy Special
N1	Cambridge	N1	Majestic
N1	Cambridge, The	N1	Mars
N1	Chautauqua	N1	Mascot
N1	Climax	N1	Meteor
N1	Clipper	N1	Michigan
N1	Coffee J. W.	N1	Minnesota No. 1
N1	Colonial	N1	Monarch
N1	Columbia	N1	Nelson
N1	Columbus	N1	Neura Nacional
N1	Cosmo	N1	New Cambridge
N1	Cottage	N1	New Carson
N1	Cottage Queen	N1	New Champion
N1	Dandy	N1	New Columbia
N1	Dauntless	N1	New Companion
N1	Eclipse	N1	New Family Grand
N1	Economy	N1	New Haven
N1	Electric	N1	New Home
N1	Emblem	N1	New Home 400
N1	Empire	N1	New Home Queen
N1	Empire New Style	H2	New Howe (late)
N1	Empire No. 3		
N1	Epworth		
N1	Eureka		
N1	Excelsior		
N1	Falcon		
N1	Family Favorite		
N1	Favorite		
N1	Fireside		
N1	Fischer		
N1	Gables		
N1	Gail		
N1	Garland		



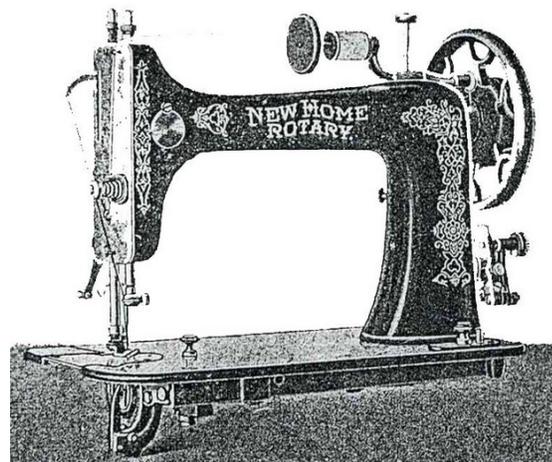
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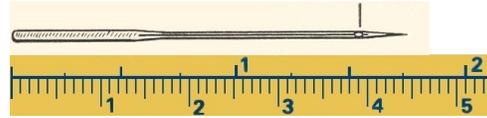
## NEW HOME

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - G  
 Brewer No. - 8 National - C White - B Crowley - 60 Torrington - R  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
N1	New Ideal	N1	Washington
H2	New Improved Howe	N1	Wheeler A B C E
N1	New National	N1	Whippet
N1	New Phoenix	W6	Whitehill
R1	New Remington	N1	Williams
N1	New Victoria	N1	Woman & Home
N1	New Williams	N1	Woodman
N1	New Winchester	N1	Youth's Companion
N1	Niobe		
N3	Noble		
N1	Northern		
N1	Oracle		
N1	Orade		
N1	Ordway		
N1	Pan American		
N1	Pearl		
N1	Peoria		
P1	Planar & Kayser		
N1	Premier		
N1	Priscilla		
N1	Quinnan Och Hemmet		
K6	Richard Knoch VS		
N1	Ruby		
N1	Serata		
N1	Smith Special		
N1	So-Ezy-Climax		
N1	Spokane		
N1	Star New Home		
N1	Stimulator		
N1	Teutonia		
N1	Tidente		
N1	Tomanis		
N1	Trenton		
N1	Triumph		
N1	Tuxedo		
N1	Union		
N1	Union American		
N1	Universal		
N1	Up-To-Date		
N1	Velox A & B		
N1	Wabash		
N1	Wannamaker		



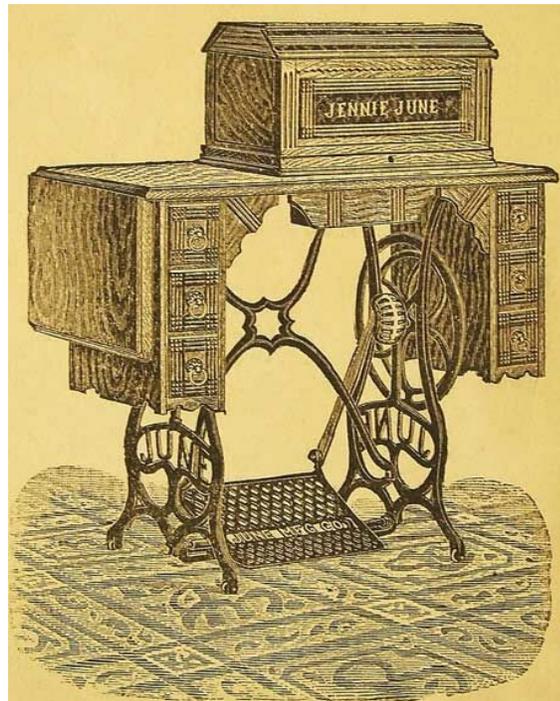
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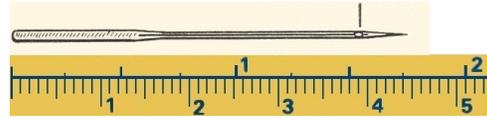
## HOUSEHOLD

Singer - 1 X 7 / 13 X 1    Boye - 2    Schmetz - 28:05    Brewer - H  
 Brewer No. - 9    National - F    Crowley - 58    Torrington - M  
 European - 138

Company Code	Machine Name	Company Code	Machine Name
	Adelaide	G1	Goodrich O. S.
G1	Adla	G1	Graham
G1	Adlake	G1	Grand
P1	Aetna No. 1	G1	Grand Bulletin
P1	Aetna No. 3 Imp.		Greeman
B6	Afrana TS	G2	Grover & Baker (straight round shank)
N2	Alliance	N2	Happy Hearts
N2	Alva	W2	Hartford
	Andreas		Head Leader
G1	Atlanta Constitution	N2	Hearthstone
	Baldwin		Home Queen
	Blade		Homestead
B3	Boston	N2	House Wife
B7	Bradbury 1, 7, Medium	H1	Household
B4	Brosius		Houston
H1	Burdick No. 2	G1	Houston Post No. 1
N1	Burdick 3-C	H2	Howe G
N2	Capitol No. 2		Imperial (old)
G1	Chronicle Premium	N2	Index
M5	Clemens Müller TS	A1	Iowa No. 2
	Cleveland	A1	Iowa No. 3
G1	Constitution	N2	Jennie June
G1	Constitution Atlanta		
H1	Crippin		
G1	Cubana		
	Cumberland		
M1	Daisy		
G1	Dandy		
D7	Dauntless		
D6	Diamond		
	Dunham		
H1	Durham		
E2	Eclipse O. S.		
	Electric		
R1	Empire		
S4	Empress O. S.		
G1	Era Old		
E1	Estey		
E5	Excelsior O. S.		
H1	Faithful Friend		
	Fashion		
H1	Feather		
G1	Foley & Williams		
G1	Gazelle		
G1	Germania		
	Ginsburg		



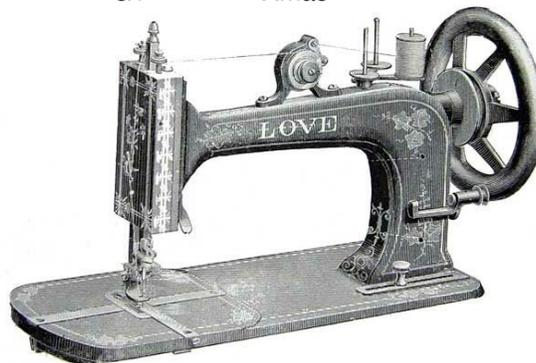
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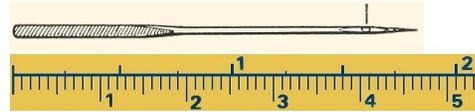
## HOUSEHOLD

Singer - 1 X 7 / 13 X 1    Boye - 2    Schmetz - 28:05    Brewer - H  
 Brewer No. - 9    National - F    Crowley - 58    Torrington - M  
 European - 138

Company Code	Machine Name	Company Code	Machine Name
J3	Jones TS Family	G1	Principle Spec.
N2	Journal of Agriculture	H1	Priscilla
N2	June High Arm	N2	Process
	Kendrick	F1	Pure Gold
K1	Keystone		Queen Home
K8	Kimball & Morton Medium TS	N2	Queen of the West
K2	King	G1	Rhenania
M1	Kirby	H1	Riverton
L1	Leader (old)	F1	Royal
L3	Leavitt	F1	Royal St. John OS
N2	Livingstone	G1	Seamstress, O. S.
L4	Love	N2	Sears Roebuck
N2	M. & W. pre. 1901		Segwall
	Macy Special	S11	Sellers Medium, No 4 Stitchwell
H1	Marguerite	S1	Singer 13 (Medium)
	Mascot	S1	Singer Letter A
	Matchless		Splendid
G1	Maywood		Spokane
N2	Meller	N2	Success
M4	Melone	F1	Sunoria
G1	Modern Woodsman	G1	Toledo
N2	Montgomery Ward O.S. before 1901		Tuxedo
G1	Montgomery Ward	G1	Victory New No. 9
G1	New Goodrich before.1901		Ward (O. S.)
	New Ideal O. S.	W11	Wertheim TS
R1	New Remington		Wheel Enterprise
G1	New South No. 2	W6	Whitehill
N2	New South No. 3		Whitheron
G1	New Victory No. 9	W8	Whitney
D5	New York		Winner
	Nudd & Palmer	G1	Witherow
G1	Ohio Farmer	N2	Witners (prev. 1901)
N2	Old Chronicle Premium		Woodman
	Old Homestead	G1	Xmas
O2	Opel Medium		
N2	Original Princess		
O1	Oxford No. 1		
G1	Oxford No. 1		
O1	Oxford No. 3		
G1	Pacific Queen		
N2	Premier		
G1	Premium		
G1	Premium Chronicle		
G1	Premium Houston		
G1	Premium Old Chronicle		
D4	Princess		



# NEEDLE CODE 12



## NEW ROYAL

Singer - 1 X 3 / 20 X 1 Free - HH Boye - 24 Schmetz - 35:11  
 Brewer - I Brewer No. - 10 National - C Crowley - 74  
 Torrington - T European - 712

Company Code	Machine Name
	Capital
D7	Dauntless
D2	Domestic O. S.
G4	Gardner
G5	Gates
L4	Love
M4	Melone
D2	Mund
F1	New Royal
F1	Royal
F1	Royal New
F1	Royal Oak
F1	Royal St. John (old)
F1	Service
F1	St. John
F1	St. John Royal
W8	Whitney

**◆ ◆ THE 3 B'S ! ◆ ◆**

**Brag, Bluster and Buncombe**  
**HAVE LOST THEIR GRIP !**

Intelligent dealers in Sewing Machines cannot be hoodwinked. They want—and they know their customers want—a

\* \* \* *Practical Machine, Easily Understood and Operated,* \* \* \*

And they want it WELL-MADE, out of HONEST MATERIAL, with the FINEST FINISH.

THEY KNOW **“DOMESTIC”** FILLS THE BILL

**The Light-Running “DOMESTIC” And Sells Itself !**

This is a MONUMENTAL FACT. But the 3 B's will continue, we suppose, to scatter cyclone energy in the vain attempt to blow it over. This will prevent stagnation in the atmosphere and afford amusement for the trade at any rate, and that's

**WHY WE LAUGH !**

**“The Royal St. John.”**  
*Is Unrivaled in Construction.*

**IS UNDENIABLY THE BEST SEWING MACHINE EVER INVENTED.**

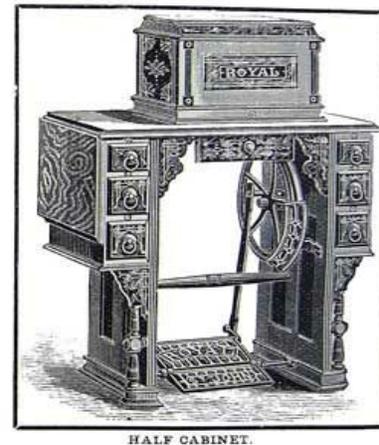
*Is Unexcelled in Adjustment.*  
*Is Unapproached in Finish.*  
*Is Unquestioned in Excellence.*

**IS UNEQUALED IN DURABILITY.**

**IS THE ONLY MACHINE ENTIRELY FREE FROM IRREGULAR CAMS, COGS, AND SPRINGS.**

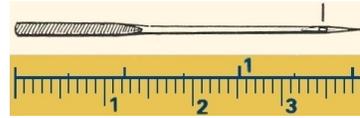
**Is Run either FORWARD or BACKWARD, and Continues to Sew in the Same Direction.**

Is the ONLY MACHINE MADE WITHOUT YIELDING JOINTS, and is consequently FREEST FROM WEAR and LOST MOTION, Is SIMPLE; it cannot be put out of Adjustment. Is LIGHT RUNNING, and EASY MOTIONED. It can be run LONGER, WITHOUT FATIGUE, THAN ANY OTHER MACHINE.



For Terms, Address **ST. JOHN SEWING MACHINE COMPANY, Springfield, Ohio, U. S. A.**

# NEEDLE CODE 13



## SINGER

Singer - 15 X 1 Free - AA Boye - 16 Schmetz - 21:46 Brewer - J  
 Brewer No. - 11 National - D White - A Crowley - 62 Torrington - Y  
 European - 691 / 705 Other - HA X 1

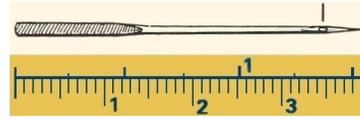
Company Code	Machine Name
A4	Adler VS 1&2
K5	Adolf Knoch VS & class 15
B6	Afrana VS
M7	Agenoria
	Albertson
	Alden & Jordan
A5	Anker VS
F1	Apartment Electric
F1	Avery
B8	BSM 3A & 7A
	Barnes
	Beale
	Browning's Favorite
F1	Bruce, The
	Carahan
	Carren
	Chase City
C2	Chicago Mfg. Dept.
	Cirola, The
M5	Clemens Müller VS & class 15
	Comfort
	Cordova
	Country Side
	Courier Journal
	Coy Bros.
F1	Crown Jewell
	Curtis & Son
N2	D'Amour
N1	Dauntless
	Defender
	Delmar
	Despatch
F1	Dominion
	Duncan Bros.
	Durham
D9	Dürkopp VS & CB
	Dwyer B. L.
N2	Eldredge 2 spool
F1	Elgin
F1	Empress
N1	Eureka
	Fairfield
	Fairy
F1	Free
F1	Free, The
F1	Free Westinghouse

Company Code	Machine Name
F1	Free William C.



F6	Frister & Rossmann VS & CB
H3	Gamages (Haid & Neu)
F1	Gem
F1	Gold Medal
N2	Gold Medal Rotary
D1	Golden Rule
N1	Greyhound
G6	Grimme Natalis class 15
G7	Gritzner VS & class 15
F1	Guard
G8	Guhl & Harbeck Normannia VS, Rotary
F1	Guide
H3	Haid & Neu CB
H3	Haid & Neu VS
	Hapgood
N1	Happy Home
	Harris

# NEEDLE CODE 13



## SINGER

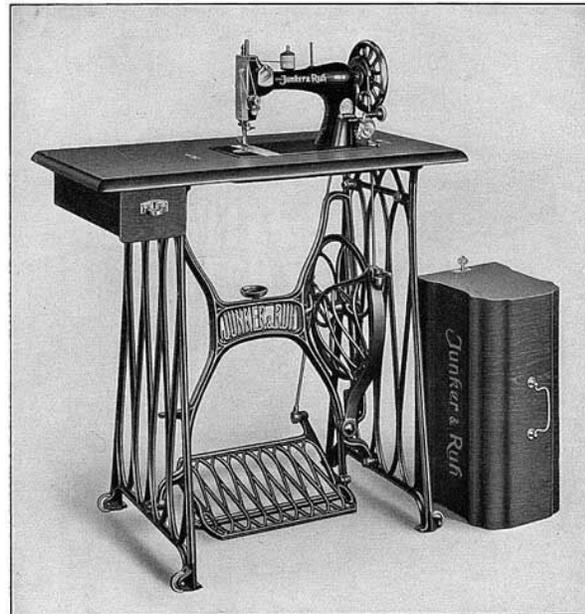
Singer - 15 X 1 Free - AA Boye - 16 Schmetz - 21:46 Brewer - J  
 Brewer No. - 11 National - D White - A Crowley - 62 Torrington - Y  
 European - 691 / 705 Other - HA X 1

Company Code	Machine Name	Company Code	Machine Name
	Hattie	F1	New Howard
	Hayine		New Idea
F1	Hilton	F1	New National NS
	Holcombe & Lane	F1	New Royal
	Home Leader	F1	New Royal A
	Hutchinson	S6	New Stewart
F1	Improved Columbian	D1	New Stockman
F1	Improved New Royal	N4	Nothmann VS & class 15
	Independent	F1	Oakwood
N1	International	D1	Oakwood
J3	Jones 35 & D53	D1	Oakwood A B
J3	Jones CB	F1	Omaha
J3	Jones New Family	O2	Opel VS, Rotary & class 15
	Journal	F1	Our Own
J4	Junker & Ruh VS & class 15	F1	Our Special
K4	Kayser VS & class 15	F1	Ozark
	Kensington	P3	Pfaff VS & class 15
K7	Köhler VS & class 15		
	Lachler		
	Laidlaw		
F1	Lakeside		
	Latest, The		
	Leslie		
N2	Lessing		
F1	Liberty Bell		
	London		
	Loveman		
	Manilla		
D1	Mansion		
F1	Martin		
	Midland		
F1	Milton		
F1	Milwauka		
D1	Minnesota		
D1	Mobile		
F1	Modiste		
	Mowton Bros.		
M6	Mundlos VS		
S7	Naumann VS & class 15		
	Neuva Mexicano		
A1	New American No. 9		
F1	New Automatic		
F1	New Avery		
D1	New Cottage		
F1	New Home (Tailor)		
N1	New Home Rotary		

### Schwingschiffmaschine F

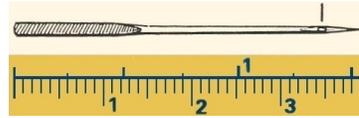
für Familiengebrauch

Größter Durchgangsraum 20x12 cm — Durchmesser des Schwungrades 30 cm



W13 Phila-Singer  
 B5 Phoenix VS  
 P2 Post

# NEEDLE CODE 13



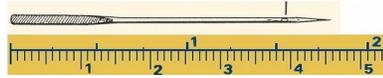
## SINGER

Singer - 15 X 1 Free - AA Boye - 16 Schmetz - 21:46 Brewer - J  
 Brewer No. - 11 National - D White - A Crowley - 62 Torrington - Y  
 European - 691 / 705 Other - HA X 1

Company Code	Machine Name
D1	Printzloff
F1	Pueblo, The
D7	Quaker City
F1	Queen
F1	Reliable A
K6	Richard Knoch Rotary & CB
	Riverton
	Rose
F1	Rotiscillo
F1	Royal Electric
F1	Royal Oak
	Ruble Spec.
F1	Ruby
D1	Silent Stitcher
D1	Silver Spray
S1	Singer 101
S1	Singer 115
S1	Singer 127 & 128
S1	Singer 15
S1	Singer 201

Company Code	Machine Name
S1	Singer 221 & 222
S1	Singer 27 & 28
S1	Singer 30
S1	Singer 48K
S1	Singer 66
S1	Singer 99
S1	Singer IF (Improved Family)
S1	Singer IFCB (Improved Family Central Bobbin)
S1	Singer VS 2
S1	Singer VS 3
	Sorcerer
	Sorenti Queen
	Southland
D8	Sowitch VS
F1	Splendid
S5	Springfield
	Stanly Mills
	Stockman
S9	Stoewer VS & class 15
F1	Stratford
	Success
	Successful
	Texas Advocate
T1	Tittel & Nies VS & CB
	Uhlitz
F1	Utah
D8	Vesta VS & CB
V1	Vickers VS
F1	Victory
D1	Wannamaker
W10	Wanzer B.
	Watkins
F1	Wellworth
W11	Wertheim VS & class 15
N2	Western Electric 4
	Westlake
F1	Wheeler
N1	Whippet
	Wilber
F1	Will C. Free
F1	William Free
	Wilson Special
F1	Winner
W12	Winselmann VS & class 15
F1	Worthmore E
F1	Zenith A

# NEEDLE CODE 14

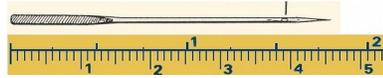


## SINGER HIGH ARM

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - K  
 Brewer No. - 12 National - C White - B Crowley - 60 Torrington - X  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
	A. M. J. & Co.		Brighton
	Aberdeen		Brinn Louis
	Adams Warranted	F1	Brooks Special
	Admiral		Brooky Queen
	Advance Union		Brown Care
F1	Aerumann	F1	Bruce
	Akron		Buchanan
	Alanen M.	F1	Burdick No. 4
	Albany	F1	Burdick 4-D
	Allen, Wallace & Son		Burton Bros. & Day
	Aloha		Burton, Peck Dry Goods Co.
	Alston	F1	Butler
	American Extra Imp.	F1	Byron
	American O'Neill-Adams		C. C. Furniture Co.
	Andreas	F1	Calumet
F1	Aurora		Calvert
F1	Auto, The		Capitol City
	Avalanche		Carlin & Fulton
F1	Avery		Carlton
	B. M. & M.		Carona
F1	Backer	F1	Carroll
	Bailey G. W. & Co.		Carstarphen Favorite
	Baily L. D.	F1	Central City
	Baptist (Herald)	F1	Century
	Baptist (Standard)		Chester & Powell
	Baptist, The		Chicago Conklin
	Baptiste Abiline	C2	Chicago High Arm
	Bartlett Wood & Co.		Clover Leaf
F1	Bass		Commerce
	Bayliss & Moody	F1	Common Wealth
F1	Beauty	F1	Correct
	Bell & Harris		Courbert J. W.
	Belox	F1	Coyne
F1	Berwick	F1	Crescent
	Biddle	F1	Crown Jewell
F1	Bitkers Favorite		Curry
	Blue Ribbon		Daytonia
	Booker & Brown		Deane D. S.
	Booth W. H. & Co.		Decorate
	Bostcher Bros.	F1	Delight
F1	Boston	F1	Delta
F1	Boston A		Diadem
F1	Bouquett	F1	Diamond Royal
	Bowen & Son	F1	Dixie
	Brauner J.	F1	Doty
	Brawsions		Duncan & Greer

# NEEDLE CODE 14

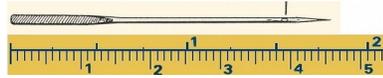


## SINGER HIGH ARM

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - K  
 Brewer No. - 12 National - C White - B Crowley - 60 Torrington - X  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
	Duncan Schell	F1	Household Leader
	Durham	F1	Household Pride
	Eastley & Hazeman		Houston County
	Ebbelns Favorite	F1	Huntington
F1	Elgin		Idalia
F1	Elite		Imogene
F1	Elmo	C2	Imperial High Arm
F1	Empress	F1	Improved Chatauqua
	Englehart	L1	Improved New Leader
	Estley & Hagerman	F1	Improved Royal
F1	Excello		Innovation
F1	Falls City		Invincible
	Fault Imp.		Ionia
	Florecente	F1	Iron
	Fourneys Star	F1	Jackson
F1	Free William C.		Jackson Clayton Hdw. Co.
F1	Frontier		Jonas Long's Sons
	Garoms		Jousines
	Garvey		K. & K. Co.
	Gerringer		K. C. C.
	Gertrude	F1	Kantauk
F1	Girard	F1	Keech
	Gleanor		Keller & Ellison
	Glenn & Christian	F1	King Bee
F1	Goldsmith		Kinney's Store
	Goss & Wake	F1	Knickerbocker
	Green Ella	F1	Knox
F1	Guide		Kragers
F1	Gulf City		L'Homadieu Spec.
	Hall & Hawkins		L'Hommedieu
	Hall & Lyson		La Maravilla
	Hansom		La Rainha
	Harlem		La Victoriosa
	Harrington	F1	Laurel
	Harris	F1	Laurence
	Harris W. S.	F1	Lavina
	Henderson Bros. Co.	F1	Leland
	Henderson, Raney & Hill	F1	Limited
F1	Herald	F1	Lone Star Co.
	Heyer, The		Long & Jones S. M.
F1	Holiday		Long Bros.
F1	Home Journal		Long, J. L. Best
F1	Homestead	F1	Louisiana
	Homus		Lownsborg
	Honey Ent.		Loytions
	Honeymoon		Mahon's Special

# NEEDLE CODE 14

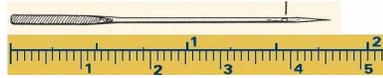


## SINGER HIGH ARM

Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - K  
 Brewer No. - 12 National - C White - B Crowley - 60 Torrington - X  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
	Manning		Oriole
F1	Mansfield	H1	Ottowa
F1	Mansfield, H. & F. Co.		Our Ideal
	Marlin	F1	Our Leader
	Mathews	F1	Our Salesman
	Meridian		Oxford Columbia
F1	Merrell		Oxford M.
	Meyer & Neville		Pardridge & Blackwell
	Meyers Best		Parmas
	Miller		Parrish
	Miller & Terrell		Parsons Spec.
	Miller Bros. Cooper	F1	Pathway
	Millers Star	G1	Patton
	Moon, M. Spec.	F1	Pelleter
	Morgan Weaver Co.		Peoples House Fur. Sup. Co.
	Morris Slaton Co.	F1	Perfection
F1	Morse	F1	Pet
	Morton's Best	F1	Pettis
	Mullen & Owen	F1	Prairie Queen
	Myron & Lifson		Premium Dallas
	N. & B. Spec.	F1	Pride of Milwaukee
	N. E.	F1	Pritzlaff
	Nation's Pride		Proctor Supply Co.
	Nebraska Farmer	F1	Puregold
	New Age	F1	Queen 12
F1	New Bevon	F1	Queen Bess
F1	New Homestead		Queen Chicago
	New Hope		Queen Georgia
	New Improved		Queen Gulf
L1	New Leader (Vibrating)		Queen Improved
L1	New Love, The		Queen Sorento
F1	New Monitor		Queen W. E. O. K.
	New Pathfinder	F1	Rainbow
F1	New Principle		Ram's Horn
F1	New Royal Queen		Regan Spec.
F1	New Splendid	F1	Regent
F1	New States		Reliance Hdw. Co.
F1	New Sterling		Reynolds & Lesler
F1	New Way		Reynolds Star
	Newport	F1	Richland
F1	Newton	F1	Richmond
	Nordica	F1	Rival
	Normandie		Roberts & Harris
	Old C.		Roberts & Lelie
	Olive Sternly Co.	F1	Rocford
	Orile	F1	Rosenblum Furn. Co.

# NEEDLE CODE 14



## SINGER HIGH ARM

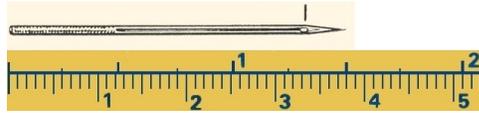
Singer - 20 X 1 Free - BB Boye - 4 Schmetz - 35:11 Brewer - K  
 Brewer No. - 12 National - C White - B Crowley - 60 Torrington - X  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
F1	Royal A.		Thomas Spec.
F1	Royal St. John (new)		Tonia, John
F1	Rudy		Tool, J. O. & Co.
F1	Rugby		Toperwein
	S. & H. Special		Twin City
	S. No. 1	F1	Union Grand
F1	Saidon		Upright
	Schonack	F1	Victory N. S.
	Schonoff Bros.	F1	Wagner, The
	Schuneman & Evans		Walsh
F1	Scruggs	F1	White Star
F1	Selma CDE	F1	Whitehall N. S.
F1	Seminole		Wichers & Co.
F1	Seneca		Willard
	Seniorita		Wilson & Wright
	Shirly		Wilson Special
	Signal		Woodman & Lathrop
F1	Silco		Woodville Mer. Co.
F1	Silver		Young & Peck
	Silver Star		
S1	Singer High Arm		
S1	Singer VS 1		
	Smith & Co.		
	Smith's Queen		
	Southern No. 4 Imp.		
F1	Southern Novelty		
	Southern Queen		
	Southern Western		
	Sovereign		
F1	Spartan		
	Spectator		
	Spiegels		
F1	Splendid		
	Stanly Mills and Co.		
	Stauffer		
	Stephen, Kemmer & S. Co.		
	Still, The Mer. Co.		
F1	Stilleto		
	Stockham, J. B.		
F1	Success		
	Sween's Spec.		
	T. M. R. S. Co.		
	T. O. & Co.		
	Texas Advocate		
	Texas Farm & Ranch		
	Texas Farmer		



**STYLE No. 4 IMPERIAL SINGER,  
HIGH ARM.**

# NEEDLE CODE 15



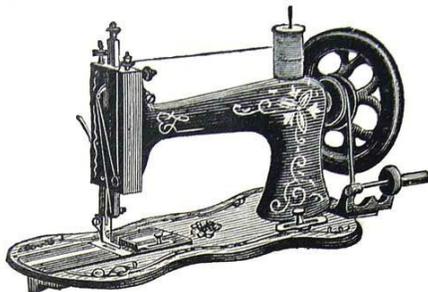
## SINGER NEW FAMILY

Singer - 12 X 1    Boye - 23    Schmetz - 23:51    Brewer - L  
 Brewer No. - 13    National - G    European - 257 / 339

Company  
Code

Machine Name

- K5      Adolf Knoch TS
- P1      Aetna No. 2
- A5      Anker TS
- A3      Appleton
- A2      Avery
  
- B2      Bles
- C2      Chicago
- C2      Chicago Low Arm Singer
- D9      Dürkopp TS
- S8      Eclipse Family
- N2      Eldredge A
- F6      Frister & Rossmann TS
- Germania
- J1      Gold Medal
- Grand
- G6      Grimme Natalis TS
- G7      Gritzner TS
- G8      Guhl & Harbeck Saxonia TS



THE AVERY SEWING MACHINE.

Company  
Code

Machine Name

- H3      Haid & Neu TS
- J1      Home O. S.
- J4      Junker & Ruh TS
- K4      Kayser TS
- K8      Kimball & Morton Family TS
- K7      Köhler TS
- Lawlor
- L6      Lyon
- Medon
- S7      Naumann TS
- N4      Nothmann TS
- O2      Opel TS
- G3      Osborn
- O1      Oxford Singer
- P3      Pfaff B
- P3      Pfaff TS
- R1      Remington No. 3
- S4      Secor
- S1      Singer 1 (Perpendicular Action)
- S1      Singer 12 (New Family)
- S6      Stewart
- S9      Stoewer TS
- T2      Thomas #1
- T1      Tittel & Nies TS
- D8      Vesta TS
- F1      Victory O. S.
- W11    Wertheim Superba D
- F1      Whitehall O. S.
- W9      Williams Singer
- W12    Winselmann TS

# Chicago

WITH LOOSE

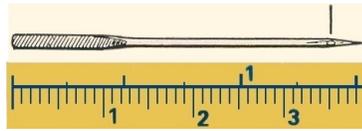


# Singer,

BALANCE WHEEL.

The Best Singer Machine Now in the Market.  
 The Most Accurately Fitted and Best Finished.  
 It Cannot be Run Backwards,  
 And Cannot Break Thread or Needles.

# NEEDLE CODE 16

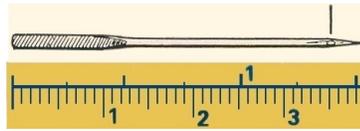


## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Acadia	S2	Bonner
S2	Acme	S2	Brenham
S2	Aero	S2	Broadway
S2	Agriculturist	S2	Broken Arrow
S2	Alberta Peterson	S2	Brown Special
S2	Alden	S2	Browns
S2	Alston	S2	Bruce
S2	America	S2	Buckeye
S2	American Jr.	S2	Cadillac No. 3
S2	Americana	S2	Caines
S2	Anthracite	S2	Campania
S2	Antonio Castellero	S2	Campbell
S2	Apostula Baptist	S2	Cams Special
S2	Appolo	S2	Capitol
S2	Arcade	S2	Caraway
S2	Arcadia	S2	Carnahan
S2	Armour	S2	Carthaginian
S2	Armour D	S2	Casino
S2	Arrow	S2	Centennial
S2	Artison	S2	Centric
S2	Astor, The	D1	Challenge
S2	Atlantic	S2	Champlain
S2	Auburndale	S2	Chandler
S2	Austral	S2	Chubert
S2	Automatic, The	S2	Claiborne
S2	Baby Grand	S2	Clarks J. A.
S2	Bacha	S2	Cleveland
S2	Baxter	S2	Cleveland, The
S2	Beagle-hole	S2	Club, The
S2	Bean	S2	Cole
S2	Beathe	S2	Colonial
S2	Beham	S2	Colorado
S2	Beham The Geo.	S2	Columbia
S2	Belanger	S2	Columbine
S2	Belmars	S2	Columbus
S2	Bertha	S2	Commercial
S2	Bessie	S2	Conley
S2	Bestor	S2	Conshatter
S2	Binghampton	S2	Cooley, The
S2	Bishops Favorite	S2	Corley, The
S2	Black Diamond	S2	Cornell
S2	Blount's	S2	Coronet
S2	Blue Bell	S2	Cotton
S2	Blue Diamond	S2	Crawford
S2	Bon March	S2	Creedmoor
S2	Bon-I Look-	S2	Crescent

# NEEDLE CODE 16

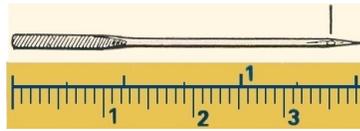


## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Crusader	S2	Excellent
S2	Crutchen C. M.	S2	Excelsior
S2	Cuba Libre	S2	Fairley
S2	Culliman	S2	Falls City
S2	Cullinanes	S2	Family Queen
S2	Dailey W. S.	S2	Famous
S2	Daisey	S2	Fashion
S2	Damascus	S2	Faultless
S2	Daniels	S2	Favorite
D1	Davis Rotary	S2	Ferris
D1	Davis Vibrator ME, T	S2	Fischer
S2	Dean, The	S2	Fitche
S2	Decatur, The	S2	Flag
S2	Defiance	S2	Flyer, The
S2	Delia	S2	Foereste
S2	Denver	S2	Forbes S. G.
S2	Dependable	S2	Free Press
S2	Dewey, The	S2	Free Silver
S2	Diamond D.	S2	Furlick
S2	Dixie	S2	Furs
S2	Dodge & Watson	S2	Garland
S2	Dosenuna	S2	Genesee
S2	Dotherow	S2	Gignilliat
S2	Downes	S2	Gimbel
S2	Dreus & Crens	S2	Gimbel Brothers
S2	Dulitz C.	D1	Globe
S2	Dundee	S2	Gospel News
S2	Eastaluchia	S2	Goss & Wake
S2	Economy	S2	Gossett
S2	Economy Rotary	S2	Gourlay
S2	Edgewater	S2	Gracie
S2	Edgewood	S2	Grand Leader
S2	Edison	S2	Grand Union
S2	Edison Rotary	S2	Granite State
S2	Edison, Shorts	S2	Grant
S2	El Carreo	S2	Guernsey
S2	El Ralampage	S2	Guernsey J. W.
S2	Eldoro	S2	Hagma
S2	Elliot	S2	Hamilton
S2	Elliot J. F.	S2	Hardine Bros.
S2	Ellis B.	S2	Hardy
S2	Ellsa	S2	Harlam
S2	Elmore	S2	Hartman
S2	Elsie	S2	Hartmere
S2	Euclid	S2	Haserot
S2	Everybody's	S2	Hemingways

# NEEDLE CODE 16

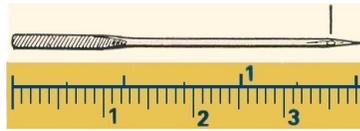


## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Henderson	S2	Ladies Favorite
S2	Henwood	S2	Lancaster
S2	Hexagon	S2	Lechler
W13	High Arm Philadelphia	S2	Levys
S2	Hillman	S2	Levy's Pride
S2	Hines	S2	Lexington
S2	Hoddes	S2	Lindenheim
S2	Hoddes Bros.	S2	Lindheim
S2	Hoffmann	S2	Locke
S2	Homan	M1	Loeb
S2	Home	S2	Long
S2	Houghton	S2	Longs
S2	Housemate	S2	Lotions
S2	Houston	S2	Lottie
S2	Howe Imp.	S2	Madison
S2	Howe Rotary	S2	Magnolia
S2	Hudson	S2	Maine
S2	Hughes	S2	Manhattan
S2	Hull & Dutton	S2	Manix
S2	Hyman	S2	Maple Leaf
S2	Imperial Howe	S2	Margarita
S2	Improved Howe	S2	Marshall Field
S2	Invincible	S2	Marvel
S2	Iowa No. 4	S2	Master
S2	James	S2	Master, The
S2	Jamison	S2	Matchless
S2	Jasper	S2	McCormick
S2	Jeffreys, Own	S2	McDonald
S2	Joli	S2	Menough
S2	Jones	S2	Meridian
S2	Kahns Pride	S2	Merrick
S2	Kamp Bros.	S2	Metropolis
S2	Kenmore	S2	Millard
S2	Kentucky	S2	Miller
S2	Kenwood	S2	Miller & McKay
S2	Kenyon M. S.	S2	Minerva
S2	King	S2	Minges
S2	King Rotary	S2	Minneapolis
S2	Kirkcaldies	S2	Minnehaha
S2	La Aurora	S2	Minnesota
S2	La Capoise	S2	Minnesota H
S2	La Costrera	S2	Mirror & Farmer
S2	La Dalescieura	S2	Mitchell
S2	La Opera	S2	Moberly
S2	La Ultima	S2	Moberly Mer. Co.
S2	La Valcedora	S2	Moberly Merc. Co.

# NEEDLE CODE 16

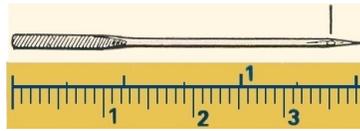


## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Model Sewer	S2	O'Neil's Pride
S2	Mondy's Favorite	S2	O'Neil, The
S2	Money King	S2	Oakdale
D1	Monroe	S2	Ohio Farmer
S2	Montgomery	S2	Olney
S2	Murphys	S2	Olympia
S2	Muskingdom	S2	Orient
S2	My Own	S2	Oriole
S2	Myers J. P.	S2	Orleans
S2	Napier	S2	Otto
S2	Nation's Pride	S2	Our Model
S2	Neversuch	S2	Our Very Best
S2	New Acme	S2	Pacific
S2	New Arlington	S2	Paragon
S2	New Atlas	S2	Paramount
S2	New Belle	S2	Parks
S2	New Century	S2	Pastime
S2	New Columbus	S2	Pearl
S2	New Concord	S2	Pearlhaven
S2	New Dandy	S2	Peerless
S2	New Havana	S2	Pelican
S2	New Haven Imp.	S2	Penman
S2	New Holmes	S2	Perfection
S2	New Homestead	S2	Perla de la Casa
S2	New Howe (late)	S2	Pickering
L1	New Leader Rotary	S2	Pierce Gold
S2	New Lennox	S2	Pilot
L1	New Love, The	S2	Pioneer
S2	New Matchless	S2	Piper
S2	New Method	S2	Piper & Goyett
S2	New More	S2	Planters
S2	New Parish	S2	Polly
S2	New Peerless	S2	Practical Farmer
S2	New Rapid	S2	Prairie Farmer
S2	New Standard	S2	Press Pub. Ass'n.
S2	New Star	S2	Pride of Kentucky
S2	New Steward	S2	Princess
S2	New Success	S2	Progress
S2	New Tuxedo	S2	Queen Anne
S2	New Weed	S2	Queen Pacific
S2	Newport	S2	Quickles Best
S2	Newton	S2	Quickstitch
S2	Nicholson	S2	Radiant
S2	Norfolk	S2	Read, The
S2	Norwood	S2	Red Cross
S2	Nova Machine Rosas	S2	Reed Spec.

# NEEDLE CODE 16



## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Reina	S2	Rosendale
S2	Reliable	S2	Rossenback
S2	Richardson	S2	Roth Special
S2	Richland	S2	Rothchild
S2	Richters	S2	Rover
S2	Rightway	S2	Sadie
S2	Ritter	S2	Sampson
S2	Rival	S2	Sans Favorite
S2	Roberts	S2	Scientific
S2	Rockford	S2	Scott
S2	Roeser	S2	Seals Pride
S2	Rogers E. M.	S2	Seavey
S2	Ronaldson & Packett	S2	Seavoy
S2	Rosenberg & Heintze	D1	Security Rotary

# GOLD, SILVER, BRONZE.

: : : : PAY TRIBUTE TO THE : : : :

## Standard" Rotary Shuttle Machine.

*A Gold Medal from the New England Industrial Fair. - A Bronze Medal from the American Institute Fair, N. Y.  
 And now a*



SILVER  
 FROM THE  
**CENTENNIAL**  
 IS THE FITTING  
 TO THE

MEDAL  
**OHIO**  
**EXPOSITION,**  
 CLIMAX  
 MOST

*Remarkable Series of Victories ever scored by a New Sewing Machine. Verily it is*

# THE BEST ON EARTH.

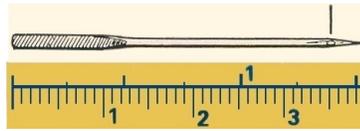
WESTERN WHOLESALE DEALERS.

STANDARD SEWING MACHINE CO.

Chas. F. Stokes, Chicago, Ill. D. Sultzer, St. Louis, Mo.  
 C. W. Marvin, Detroit, Mich. J. S. Cohen, San Francisco, Cal.  
 Aldrich Sewing Machine Co., Memphis, Tenn.  
 Burton Gardner Co., Salt Lake City, Utah.

66 Euclid Avenue, - CLEVELAND, OHIO

# NEEDLE CODE 16



## STANDARD ROTARY

Singer - 15 X 1 Free - JJ Boye - 6 Schmetz - 21:46 Brewer - M  
 Brewer No. - 14 National - D Crowley - 62 Torrington - BB  
 European - 691 / 705

Company Code	Machine Name	Company Code	Machine Name
S2	Segnor	S2	Union 24
S2	Selecta	S2	Universal
S2	Selsers Pride	S2	Upright
S2	Senorita	S2	Utility
S2	Seybold Bros.	S2	Varnado
S2	Shamrock	S2	Veribest
S2	Shapleigh	S2	Vibrant
S2	Sharwick, P. T.	S2	Vibrator
S2	Sherman	S2	Victoria
S2	Shipkonsky	S2	Vulcan
S2	Shoneman	S2	Wabash
S2	Signal	S2	Wanzer C
S2	Slater, T. W.	S2	Ward
S2	Slidell	S2	Warren
S2	Smith & Caugheys	S2	Washington
S2	Sonora	S2	Weber
S2	Spalding	S2	Weige & Schultz
S2	Spaulding	S2	Welborn Bros.
S2	Special	S2	Weldin
S2	Spring City	S2	Werner, The
S2	St. James	S2	White King
S2	St. Lawrence	S2	Whiting
S2	Stahn's C. C. Fav.	S2	Wilkins & Fields
S2	Standard (after 27500)	S2	Wizard
S2	Standard Electric	S2	Woodhill
S2	Standard Favorite	S2	Xmas
S2	Standard Norwood	S2	Yankee
S2	Standard Paragon	S2	Young Bros.
S2	Standard Rotary	S2	Young's Favorite
S2	Standard Vibrator		
S2	Stanley		
S2	Steenhayen, Jr.		
S2	Stemkamp		
S2	Sterling		
S2	Stitchwell		
S2	Straightway		
S2	Struther's Best		
S2	Superior		
S2	Superior Quality		
S2	Surprise		
S2	Swift		
S2	Symonds		
S2	Thelma		
D1	Thomas		
S2	Thompson		
S2	Unanzst		



## NEEDLE CODE 17



### STANDARD VS

Singer - 15 X 1   Free - AA   Boye - 16   Schmetz - 21:46   Brewer - N  
Brewer No. - 15   European - 691 / 705

Company

Code

Machine Name

S2

Arlington

S2

Ballantyne



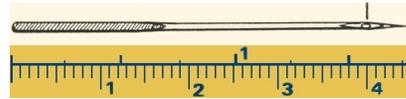
**Notes:** You might wonder what is so special about these two machines i.e. why do they have a separate 15x1 needle?

There is nothing unusual about these two machines. They are just here as an example. A number of companies made their own versions of the 15x1 needle. For the most part they are all interchangeable. The differences between them are mainly in the location of the eye. Some have the eye higher making the point below the eye longer. Some have a thinner point.

I could have omitted needle #17 from the chart. But I decided to include it because I wanted people to be able to identify it when they found these packages. Also many old catalogs will have listings for Standard Rotary and Standard VS needles. Old packs marked like that still turn up fairly often.

The Standard Rotary needle #16 has a slightly shorter point than needle #17.

# NEEDLE CODE 18



## WHEELER & WILSON FLAT SHANK

Singer - 127 X 1 Free - EE Boye - 18 Schmetz - 35:05 Brewer - O  
 Brewer No. - 16 National - E White - E Crowley - 68 Torrington - HH  
 European - 28 / 295 / 374 Other - 9N 1

Company  
 Code

Machine Name

H2 New Howe (Elias)  
 S1 Singer 9W  
 W1 Wheeler & Wilson 9 (straight flat shank)



Singer Machine No. 9W with 3-Drawer Drop Leaf Table and Cover

The following Machines  
 are supplied on this style  
 of Cabinet Work—  
 9W, 15K, 27K,  
 66K and 128K.



WHEELER & WILSON "No. 9."



Wheeler & Wilson Needle Case

# NEEDLE CODE 19

## WHEELER & WILSON ROUND SHANK Boye - 27



Company  
Code

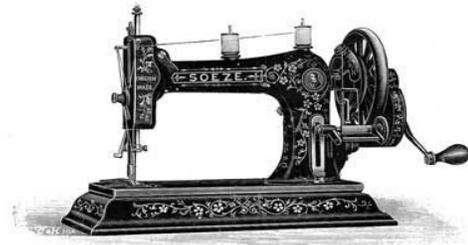
Machine Name

- B7 Bradbury Soeze
- W1 Wheeler & Wilson 6
- W1 Wheeler & Wilson 7
- W1 Wheeler & Wilson 8
- W1 Wheeler & Wilson 9 (early type)

**Bradbury & Co. Ld., Wellington Works, Oldham**

### The "Soeze"

MOUNTED ON AN ORNAMENTAL IRON BASE



**Bradbury & Co. Ld., Wellington Works, Oldham**

### The "Soeze"

DROP HEAD CABINET, READY FOR THE MACHINE WORKING

NOTICE THE SIZE OF THE LEAF TABLE.



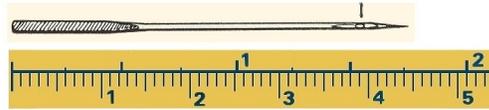
Price ... .. £10 0 0

Price ... .. £5 0 0

Box, Walnut Stained ... .. 0 7 6



# NEEDLE CODE 20

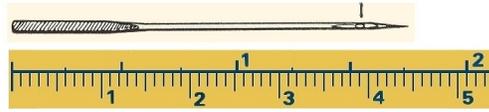


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	A Happy Home Maker	M1	Blank
M1	Abney Machine Co.	M1	Blocko
M1	Abrams Special	M1	Blossom Hardware Co.
M1	Adirondack	M1	Boehm
M1	Alberta Special	M1	Bonley
M1	Alexander	M1	Boody Bros.
M1	Allday	M1	Booty
M1	Allen's Queen	M1	Bowerman
W5	Alpha	M1	Bracht Bros.
M1	Anchor	M1	Bradley
M1	Andrews	M1	Brady Bros.
M1	Arms	M1	Bramer
M1	Armstrong Bros.	M1	Braselton Bros.
M1	Arnold	M1	Brin
M1	Athens	W5	Broadway
M1	Atkins, The	W5	Broes Best
W5	Aubrey	M1	Brooklyn Queen
M1	Avena	M1	Brown
M1	Avia	M1	Brownie
M1	Bacon	M1	Bruce
M1	Bacon C. W.	M1	Bryan
M1	Bancon	M1	Burgess, The
M1	Barlow	M1	Buris & Caskey
W5	Barnard	M1	Burks
M1	Barnes	M1	Burns
W5	Barnett	M1	Busha Special
M1	Bates	M1	Buster Brown
M1	Bates G. A.	M1	Buttruff
M1	Batte Furniture Co.	M1	Caldwell & Lampher
W5	Baumgarten	W5	Calyx
M1	Bayounes	M1	Canton
W5	Beck McKinley & Co.	M1	Capac Star
M1	Bee Hive	M1	Capitol
M1	Behrens	W5	Carle
M1	Belanger	M1	Carlisle
M1	Bennetts Best	M1	Carnahan
M1	Bessies	W5	Carpenter B. T.
M1	Bessie's Best	M1	Carson
M1	Best, The	W5	Cates Geo. P.
M1	Biddy	M1	Cecil
M1	Big Sandy	M1	Celeste
M1	Big Store	M1	Chaney
M1	Biggs	M1	Charm
M1	Billeand	M1	Charmount, La
M1	Bishop	M1	Cherokee
M1	Blackey	M1	Childress

# NEEDLE CODE 20

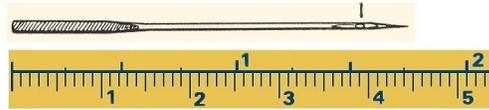


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	Christine	M1	Dennis
M1	Clark F. S.	M1	Dennis & Co.
M1	Class	M1	Dentz
M1	Cleveland	M1	Dewey
M1	Cleveland Gem	M1	Dickson
M1	Clouer	M1	Dietzel
M1	Co-Lee	M1	Dittenger
M1	Coles	M1	Dobbs
M1	Collers	W5	Donohue T.
M1	Colquit	M1	Dormer
M1	Columbus	M1	Dorothea
M1	Columbus, The	M1	Dorsey
W5	Comanche	M1	Douglas
M1	Combest	M1	Downes
M1	Comfort	M1	Driskell E. C.
M1	Common Sense	M1	Duncan
M1	Concha	M1	Dunklins
W5	Conley	M1	Durant
M1	Conover	M1	Durant Com. Co.
M1	Conover, The	M1	Duskell
M1	Conway & Jordan	W5	E. B. Ball Bearing
M1	Cooper City	M1	Easy Rotary
M1	Co-operative	W5	Economist
M1	Corn Belt, The	W5	Ehlert F. C.
M1	Corolla	M1	El Center
M1	Corrella	M1	El Hagar
M1	Corrolla	M1	El Louvre
M1	Countess	M1	El Parrae
W5	Crawford	M1	Elkins Bros.
W5	Croley J. T.	M1	Ellen's Favorite
W5	Crooks Record	W5	Ellis Store Co.
W5	Crosby W. C.	M1	Empire State
M1	Cross	M1	Enfield
M1	Cruse E.	M1	Erwin
M1	Culler WC	M1	Essex
M1	Currie	M1	Estell
M1	Cuyahoja	W5	Euclid
M1	Dahlichs	M1	Fair, The
M1	Dallas	M1	Farmers Bride
M1	Dania	M1	Farmers Friend
M1	Daniels	M1	Fergeson
W5	Davis	M1	Fessinger
M1	Davis A. J. & Son	M1	Fidelity
M1	De Kahl	M1	Fields
M1	Dean	W5	Fingers
M1	Defender	M1	Finkle & Lyon

# NEEDLE CODE 20

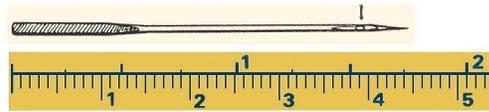


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
W5	Finklestein	M1	Gretchen
W5	Fisk	M1	Gross
M1	Fitzgerald	M1	Gruene
M1	Flint	M1	Gruene H. D.
M1	Florence Vibrator	M1	Guarantee
G1	Foley & Williams	M1	Guggenheimer & Cohn
M1	Forbes Best	M1	Gunnell W. M.
M1	Forman D. H.	M1	Guthrie
M1	Forward	M1	Guthrie & Bradley Co.
M1	Francis	M1	Hadda
W5	Fricke	M1	Hall
M1	Fullmer	M1	Hall's Favorite
M1	Fullmer J. A.	M1	Hammond
M1	Gable	M1	Hampton
M1	Gardner Queen	M1	Hardis
M1	Gariey	M1	Hardis & Arthur
W5	Garlington J. S.	M1	Hardison Fowler & Co.
M1	Garrens	W5	Hargis
M1	Garvin	M1	Hart S. G. & Co.
M1	Garvin M. T.	M1	Harvard
M1	Garvis	M1	Harvester
M1	Gary	M1	Haskett
W5	Gem	M1	Hazard
M1	Gerald	M1	Helpmuth
M1	Gilbert Queen	M1	Helsingfors
M1	Gimbel	M1	Henegor
M1	Gladiator	W5	Henry
M1	Glenn	W5	Hepperle H.
M1	Glenwood	M1	Herder Merc. Co.
M1	Glorioso	M1	Herman G.
M1	Goldberg	M1	Herrick
M1	Golden Giant	M1	Herrington
M1	Golden Star	M1	Heydes Star
M1	Goodman	M1	Hicks
M1	Goodness	M1	Higginbothan
M1	Goodnuf	M1	High Arm Family
M1	Goodson	W5	Hoffmann
M1	Gores Best	M1	Holden & Stone
M1	Gorman Bros.	M1	Holland
M1	Gosnells	W5	Holmes
M1	Grand Bazaar	M1	Hooker
M1	Grass	M1	Hoover
W5	Grayums	M1	Hoover Commerical Co.
M1	Greeg	M1	Houseman
W5	Green	M1	Houston Bros.
M1	Grenada	M1	Howe Modern

# NEEDLE CODE 20

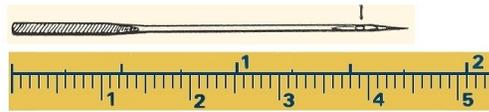


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	Hummer	M1	Klotes Star
M1	Husband & Patrandry	M1	Kniffens Spec.
W5	Ideal	M1	Knight
M1	Improved Beacon	M1	Kreas
M1	Improved Spokane	M1	Kuehler
M1	Improved Tripp	M1	Kvenig Pride
M1	Industrious Hen	M1	La Argentine
M1	Ingle, S. E. Spec.	M1	La Borda
M1	Iver Johnson	M1	La Charmont
M1	Iver, The	M1	La Compedora
M1	Jathis, A. Spec.	M1	La Perfection
M1	Jeidel J.	M1	La Perla
M1	Jewell	M1	La Platta
M1	Joeckel & Johnson	M1	La Princesa
M1	Joekel, W. H.	M1	Lacey
M1	Johnson	M1	Lafayette
M1	Johnson & Hill	M1	Lake
M1	Jones	M1	Lakeside
W5	Joswick	M1	Lancaster
M1	Judel Bros.	M1	Landrys
M1	Kaczer, B. & Co.	M1	Lanford
M1	Kane Special	M1	Lanham
M1	Kansas	M1	Lanston & Fugnay
W5	Keesling	M1	Lashley J. W.
M1	Keiser	M1	Laubucks
M1	Kellers	M1	Laverty
M1	Kellers Special	M1	Law
M1	Kendrick	M1	Leavell T. S. Spec.
M1	Kendrick Special	M1	Leinburg
M1	Kennedy	M1	Leiss
M1	Kensley	M1	Lemburg
M1	Kensley Special	M1	Leopold Loeb
M1	Kent	W5	Levy Bros. Spec.
M1	Kerris Special	M1	Lexington
M1	Keystone	M1	Lightfoot Special
M1	Kilgore	M1	Lillard & Johnson
M1	Kimble	M1	Lillard's Special
M1	Kinerys Star	M1	Loewenstein
M1	Kipp John K.	M1	Lomax
M1	Kirby	M1	Longin
M1	Kirk	M1	Lowe
M1	Kirkman, W. L. & Co.	M1	Lowe & Troxal
M1	Kirkpatrick L. D.	W5	Lowenburg, G. & Co.
M1	Klans Special	W5	Lowman
M1	Klein	M1	Luce, C. M. & Co.
M1	Klein, Otto & Co.	M1	Lula

# NEEDLE CODE 20

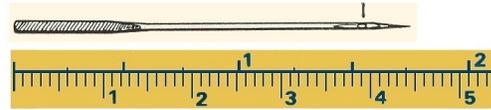


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	Lyle	M1	Morris
M1	Mable	M1	Morrison
M1	Macon	M1	Mosby
M1	Maddox	M1	Mosby, E. S. Spec.
M1	Magnet	M1	Moss
M1	Malba	M1	Moyer Spec.
W5	Malta	M1	Moyles Spec.
M1	Manlove	M1	Mt. Calm
M1	Marchena J. & Gray	M1	Mt. Calm Mer. Co.
W5	Marse	M1	Mulcock, James K.
M1	Marshall	M1	Munn
M1	Martha	M1	Munroe
M1	Mason	M1	Murray
M1	Masonia	M1	My Own
W5	Maxfield	M1	Myers
M1	Mayfield	M1	Namson
M1	Mayfield, F. H.	M1	Nance
W5	McCurdys Queen	M1	Naylor's Spec.
M1	McDaniel & Miser	M1	Neely & Copeland
M1	McDonald	M1	Neville
M1	McGill	W5	New A. Bach
M1	McGraths Spec.	W5	New Bach
M1	McKay	M1	New Century
M1	McKinley	M1	New Crown
M1	McLains Best	M1	New Daisey
M1	McMeans Bride	M1	New Dallas
M1	McMillen	M1	New Damascus
M1	McNeil, W. P. & Co.	W5	New Domestic
M1	McWilliams & Co.	M1	New Elgin
M1	Menelee	M1	New Ermine
M1	Merchant & Ellison	M1	New Family
M1	Meyer	M1	New Florence
M1	Milligans Cash	M1	New Gourlay
M1	Mine Door	M1	New High Arm Family
M1	Miner	M1	New Idea
M1	Mitchell	M1	New Matthews
M1	Mitchell's Queen	M1	New May
M1	Model Queen	M1	New Merrick
M1	Modern	M1	New Minnie
M1	Modern Howe	M1	New Monroe
M1	Modern Wilson	M1	New Oswald
W5	Moerbe	M1	New Palace
M1	Moore & Gilbert, Spec.	M1	New Peerless
M1	Moores	M1	New Perfection
M1	Morgan	M1	New Queen
M1	Morley	M1	New Single

# NEEDLE CODE 20

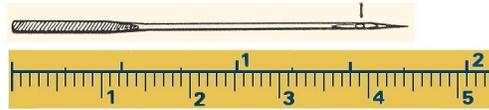


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	New Sinning	M1	Peabody
M1	New Stand	M1	Pee Dee
M1	New Star	M1	Peerless Rotary
M1	New Treasure	M1	Pelotence
M1	New Tyler	M1	Pelton & Marsh
M1	New Victor	M1	Penn
M1	New Warwick	M1	Peoples Furn. Co.
W5	New White	M1	Perfect
M1	New White Peerless	W5	Petty Bros. Merc. Co.
M1	New Whitesley	M1	Philadelphia
M1	New Wilson	M1	Planters
M1	New Wilsons	M1	Pope's Queen
M1	New Winner	M1	Portage
M1	Nichols	M1	Pratts
M1	Nichols & Hicks	M1	Pratts Special
M1	Nixon	M1	Prescott Hdw Co
M1	Nixon, D.	M1	Presto
M1	Noonan	M1	Prewitt
W5	Norfolk	M1	Price & Allen
M1	Norman	M1	Pride of Home
M1	Northcut, H. & T. Co.	M1	Pride of Poteau
W5	Nutflake	M1	Pride of Virginia
M1	O'Neil's Pride	M1	Pride of World
M1	Oden	M1	Primmer
M1	Oden Spec.	M1	Prince
M1	Old Reliable	M1	Progress
M1	Olive, The	M1	Prospect
M1	Ontario	M1	Provedera del Hogar
M1	Oransky	M1	Pullman
M1	Osborn	M1	Putnam
M1	Ostertag	M1	Queen
M1	Osveta	M1	Queen Family
M1	Otto Klein Co.	M1	Queen Modern
M1	Our Bonanza	M1	Queen New England
M1	Owatonna	M1	Queen Plymouth
M1	Pace	M1	Queen Royal
M1	Page	M1	Queen Smith
M1	Page, G. F.	M1	Queen Southern
M1	Palacios & Zambreno	M1	Queen Texas
M1	Palma	M1	Queen Winner
M1	Palmetto	M1	Radior
M1	Parchman	W5	Rainha
M1	Parent	M1	Ralston B
M1	Paris	M1	Randall's Best
M1	Paris King	M1	Randville
M1	Passmore	M1	Raney

# NEEDLE CODE 20

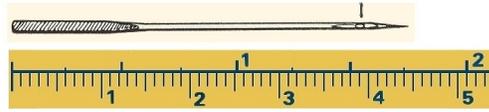


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	Rankin	M1	Schafer
M1	Rankins	M1	Schertz
M1	Read & Son	M1	Scheuesslers Queen
M1	Reading Special	M1	Schlemmer
M1	Regal	M1	Schmit & Sternhout
M1	Reich	M1	Schuman
M1	Reliance	M1	Schuman's Queen
M1	Renan	M1	Scio
M1	Richland	M1	Scofield
M1	Riegle, The	M1	Scott LG
M1	Rierson	M1	Sea Side
M1	Rierson, Wood & Scott	M1	Seagal Special
M1	Riley	M1	Sears, H. D.
M1	Riley & Williford	M1	Seavers Special
M1	Ripley Belle	M1	Secrocer
M1	Rival Sin	M1	Security
M1	Rivore	M1	Sedwig, Joseph
M1	Robinson Spec.	M1	Sefton
M1	Rockland	M1	Seneca Chief
M1	Rogers A.	M1	Sew Easy
M1	Rome	M1	Sew Right
W5	Roos Bros.	M1	Sew Rite
M1	Rosenberg Bros.	M1	Sewards
M1	Ross	M1	Seward's Special
M1	Rotary Special	M1	Shepard
M1	Rowe Bros.	M1	Shiple & Boht
M1	Rowel	M1	Shiple & Brobst
M1	Rowland	M1	Siebold's Spec.
M1	Royal Leader	W5	Siegfried
M1	Royal Palm	M1	Sigman
M1	Rule	M1	Simon
M1	Rural	W5	Sin Par
M1	Rush	M1	Sin Rival
M1	Russer	M1	Snows Special
W5	Rutter	M1	Snyder
M1	S. S. Special	M1	Solon
M1	Sadler Special	W5	Somerset
M1	Salt City	W5	Soudor
W5	Sampson	W5	South Bend
M1	Sanders Co	W5	Southern
M1	Sanderson	M1	Special
M1	Sanderson Co	M1	Spell, T. S.
M1	Saskatchewan	M1	Spencer House Furn. Co.
M1	Savoy	M1	Spencer, W. S.
M1	Saxon Special	M1	Sprague
M1	Scar	W5	Spurline

# NEEDLE CODE 20

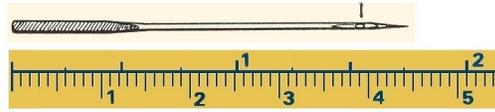


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name	Company Code	Machine Name
M1	Square Deal	M1	Turnocks, Ellis
M1	Standard JW	M1	Tuscarawas
M1	Stapp	M1	Tuxhorns U-Try-Me
M1	Star	M1	Twentieth Century
M1	Star Copac	M1	Tyrholm, J. A.
M1	Star Golden	M1	U-Need-Me
M1	Star Installment Co.	M1	Unica
M1	Steel Mer. Co.	M1	Union Merc. Co.
M1	Steels Favorite	M1	Unique
M1	Stephenson	M1	United States
M1	Stepp, J. M.	M1	Via & Stedman
M1	Sternberg Olive Co.	M1	Vicellio & Bro.
M1	Stewart	M1	Victor
M1	Stockdale	M1	Victoria
M1	Stockman	M1	Victoria, H. A.
M1	Stockman & Farmer	M1	Viking
M1	Strahn's E. A. Furn. Co	M1	Voekel
M1	Strands Electric	M1	Vogel
M1	Strangburg	M1	Wa Car Co.
M1	Strangburg Spec.	M1	Wagley & Aderhold
M1	Strzelezyk	M1	Walcot
M1	Summers	M1	Waldorf
M1	Summit	M1	Walter
M1	Sunny South	M1	Wapello Chief
W5	Superb	M1	Wardell
M1	Surprise	M1	Warner, The
M1	Swan	M1	Warren Merc. Co.
M1	Sweden	M1	Warren, The
W5	Sweeten & Black	M1	Wartenburg
M1	Taft, A. H.	M1	Watkins
M1	Tallulah, The	M1	Watkins & Masstooth
M1	Tanek, M.	M1	Waverly
M1	Tarver, Hensler Co.	M1	Waxahacie Hdw. Co.
M1	Taylor & Co. Spec.	M1	Wellington
M1	Taylor, H. W. Son	M1	Wells
M1	Tennessee Furn. Co.	M1	Werner
M1	Terribone Imp.	M1	Wertz, W. D.
M1	Texas	M1	West Bros.
M1	Thelmas Favorite	M1	Western
M1	Todd, H. E.	M1	Western Queen
M1	Tomec, The	M1	Western Union
M1	Trabue, R. E.	M1	Westralia
M1	Treasurer	M1	Weyand & Bro.
M1	Trenan	M1	White Peerless
M1	Trice	W5	White Vibrator #581001 to #1829999
M1	Trice Bros.	M1	Whitehouse

# NEEDLE CODE 20

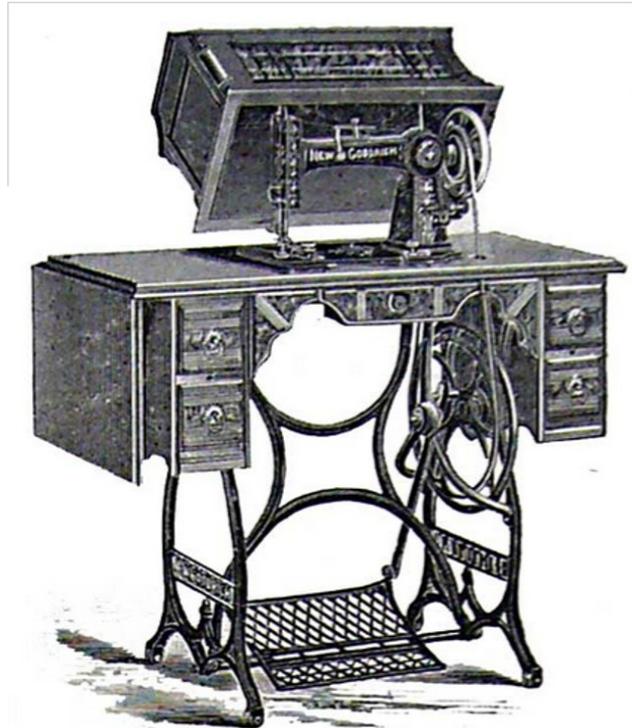


## WHITE FLAT SHANK

Singer - 20 X 1 Free - BB Boye - 12 Schmetz - 35:11 Brewer - P  
 Brewer No. - 17 National - C White - B Crowley - 66 Torrington - KK  
 European - 712

Company Code	Machine Name
M1	Whitener & Rogers
M1	Whiteside
M1	Whitley
M1	Whitsett
M1	Will Ranciers' Special
M1	Williamson
M1	Willis & Co.
M1	Wilson
M1	Wilson Rotary
M1	Winner
M1	Witherbee, Huggins Co.
M1	Wolfe
M1	Wolters Bros.
M1	Wolverine
M1	Wonder, The
M1	Wood, A. G. & Bro.
M1	Woodbert
M1	Woods Special
M1	Woolbert
M1	Woolsey
M1	Wormack, R. V. & C.
W5	Wornell
M1	Wright
W5	Yates Guarantee
M1	York & Wadsworth Co.
M1	York G. J. Music Co.
M1	Young Blood
M1	Young Blood's Leader
M1	Zenobia

Company Code      Machine Name



THE NEW GOODRICH MACHINE.

Fac-simile of genuine Trade  
 Mark Label

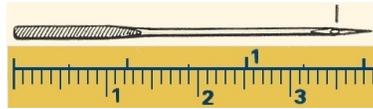


## BEWARE!

Any needle offered for sale or use in White sewing machines, without the name WHITE stamped on the shank, is "Bogus". Many of them will cause the machine to skip stitches, break thread, injure your machine, and invalidates the guarantee for free repairs. "Genuine White" needles have the name "White" stamped on the shank. They are put up and sold only in packages with notice of the United States trade mark registration on the outside label. **Accept no other. Price 30 cents per dozen.** Postage prepaid. If there is no White dealer in your town, write us direct and send post-office order or stamps for the quantity desired.

**WHITE SEWING MACHINE CO., Cleveland, O.**

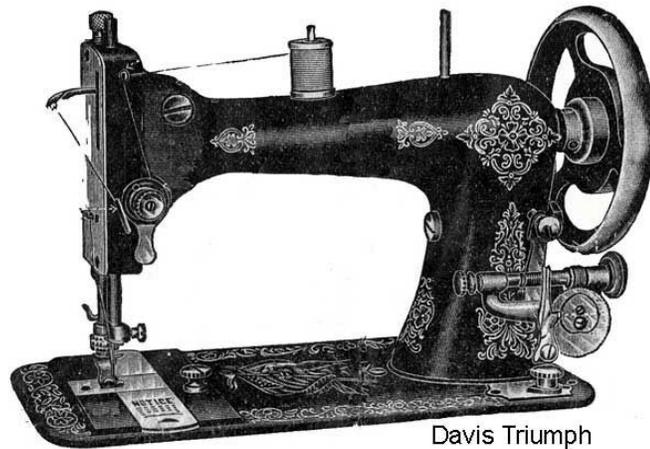
# NEEDLE CODE 21



## WHITE ROTARY

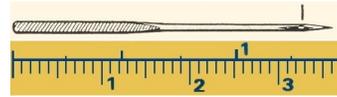
Singer - 15 X 1 Free - AA Boye - 16 Schmetz - 21:46 Brewer - R  
 Brewer No. - 18 National - D White - A Crowley - 62 Torrington - CC/LL  
 European - 691/705

Company Code	Machine Name	Company Code	Machine Name
D1	American Beauty	W5	S. & C. Ball Bearing
D1	Anderson A	M1	Scofield, The
D1	Anderson G. A.	D1	Seamstress
F1	Aviator	W5	Southern
D1	Banner	D1	Star
D1	Ben Hur	D1	Sunshine
F1	Blackburn	D1	Supreme
D1	Blade, The	D1	Triumph
D1	Blue Bird Rotary	D1	Unique
F1	Brewer ABC	D1	Waltham
M1	Brewer Electric Rotary	W5	Wheeler Electric
W5	Brooks	W5	White Rotary
M1	Calyx Rotary	W5	White Vibrator 8
F1	Cherokee	W5	White Vibrator from #1830000
D1	Cumberland	M1	Wilson Rotary
D1	Davies Short	W5	Winchester
D1	Davis Vertical Feed #600000+	M1	World Rotary
D1	Dayton		
D2	Domestic Buffalo		
D2	Domestic Rotary		
F1	Elmo		
M1	Farmers Rotary		
F1	Fashion		
M1	Florence Rotary		
W5	Franklin		
D1	Henrietta		
D1	Jewell		
M1	La Reina		
W5	Majestic		
M1	Mason Rotary		
M1	Mason Special		
M1	McMeans Pride		
D1	Michigan Farmer		
W5	Minnesota E		
D1	Monarch		
D1	Monitor		
D1	Netzon		
D1	Netzow		
M1	New Florence Rotary		
W5	New White Rotary		
W5	New Willard		
D1	Ohio Farmer		
D1	Ohio Farmer D		
W5	Parker		
D1	Piedmont		
M1	Pittsburg Electric		



Davis Triumph

# NEEDLE CODE 22



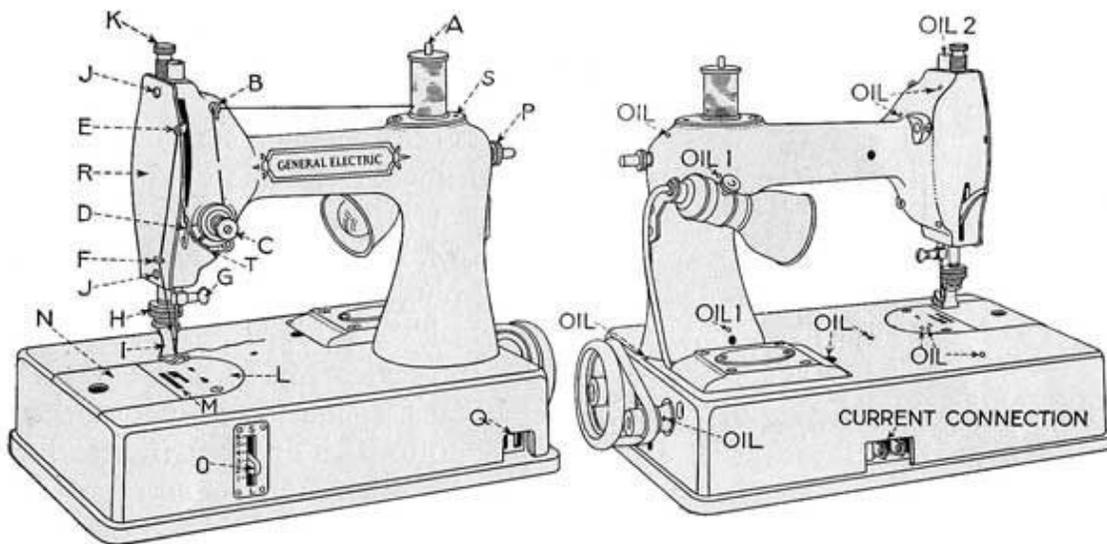
## FREE ROTARY

Singer - 206 X 13 Free - CC Boye - 2½ Schmetz - 21:32  
 Brewer - T Brewer No. - 6 White - C Other - 40F1

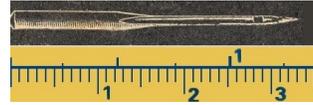
Company Code

Machine Name

- F1 Auburn
- F1 Elgin Rotary
- F1 Free Rotary
- F1 Free Westinghouse Rot
- S2 General Electric (Sewhandy)
- F1 Greyhound
- F1 New Century Rotary
- F1 New Home Rotary NS
- F1 Royal A.
- F1 Ruby Rotary
- S2 Sewhandy
- F1 St. John Royal
- S2 Standard G
- F1 Westinghouse Rotary
- F1 Wheeler Rotary
- F1 Whippet Rotary



# NEEDLE CODE 23



## WILCOX & GIBBS

Singer - 1 X 11 / 25 X 1 Free - ACS Boye - 20½

Schmetz - 02:45 Brewer - S European - 63 / 64

Other - WY502

Company  
Code

Machine Name

W4	Automatic
D3	Daisy Chain Stitch
D5	Demorest Chain Stitch (Automatic)
N2	Eldredge Automatic
G8	Guhl & Harbeck Original Express
K3	Kruse Automatic
L8	Lockman Chain Stitch
	Malcom & Brewer
M3	McLean & Bennor
M3	McLean & Hooper
N2	National Automatic
N1	New Home Automatic
W5	New White Automatic
S10	Spenser Automatic
G1	Triumph
N2	Western Electric Automatic
W5	White Automatic
W4	Willcox & Gibbs Automatic
X1	X-Ray

**We Manufacture**

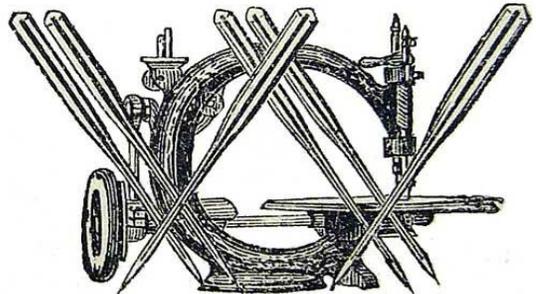
**Wilcox & Gibbs (System) Machines and Parts**

**KRUSE MFG. CO.** { 124 EAST 14th ST., NEW YORK.  
Branch--229 North 8th St., Philadelphia.

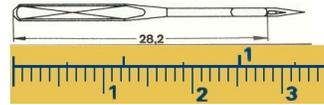
**WILCOX & GIBBS'**

Letter G                      Silent

**SEWING MACHINES**



# NEEDLE CODE 24



## SINGER CHAINSTITCH

Singer - 24 X 1 Schmetz - 02:65 European - 1881 / 2060

Other - DH X 1

Company

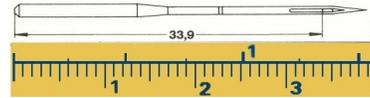
Code Machine Name

- L2 Leslie (old)
- L8 Lockman
- S1 Singer 24 Automatic
- S1 Singer 20 toy



THE 24-61 HAND MACHINE

# NEEDLE CODE 25



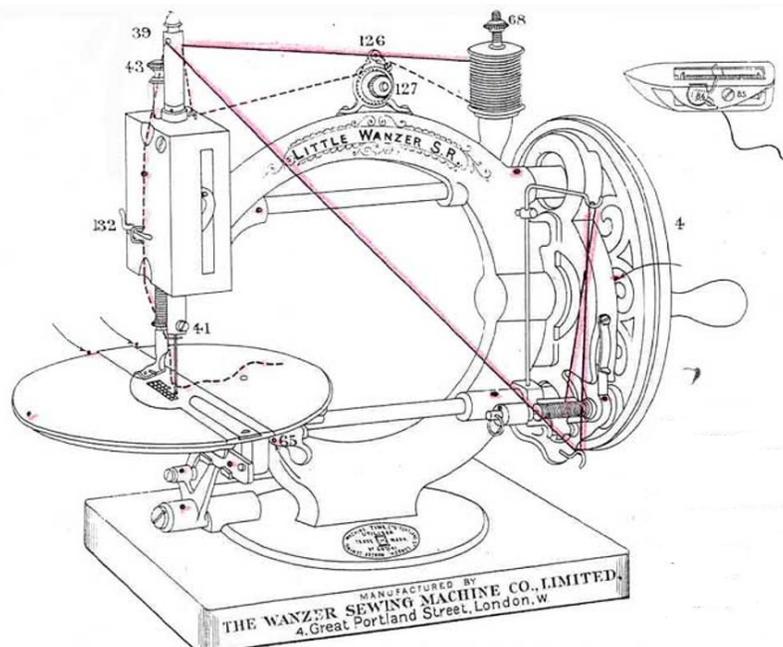
## ROUND SHANK

Singer - 16 X 1 Schmetz - 12:05 European - 287 / 690 / 1652

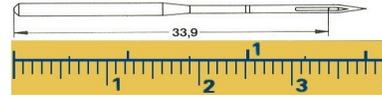
Company  
Code

Machine Name

- A4 Adler Rotary 8, 10 & 12
- B6 Afrana Rotary
- A5 Anker CB
- B1 Baby
- M5 Clemens Müller Rotary
- D9 Dürkopp Rotary
- F6 Frister & Rossmann Rotary
- G7 Gritzner Rotary
- G8 Guhl & Harbeck Normannia CB
- H3 Haid & Neu Rotary
- M6 Mundlos class 15
- S7 Naumann Rotary
- S6 New Stewart (orig.)
- B5 Phoenix Rotary
- P2 Post
- S1 Singer 16
- S2 Standard Mfg.
- S2 Standard Rotary Mfg
- S9 Stower Rotary
- Superior
- T1 Tittel & Nies Rotary
- D8 Vesta Rotary
- W10 Wanzer, Little
- W11 Wertheim Rotary
- W12 Winselmann Rotary



# NEEDLE CODE 26



## ROUND SHANK

Singer - 16 X 87 Schmetz - 14:25 European - 373 / 563

Other - DB X 1

Company

Code Machine Name

B7 Bradbury 6 Spool

B5 Phoenix CB

S1 Singer 31-15

**Bradbury & Co. Ld., Wellington Works, Oldham**

MAISON D. BAGLE. 11

A L'EXPOSITION UNIVERSELLE 1889

### La Pédale Magique Bâcle

*A obtenu la plus Haute Récompense accordée aux Pieds moteurs*

FIG. 1. — Dessin descriptif, *Piedle Mtrice de la Pédale Magique Bâcle*. Pied moteur avec bobines d'enchiquetage à toutes libées. Modèle perfectionné.

APPLICABLE  
A  
TOUTES  
Machines à coudre  
Petits Tours  
ETC.

PREX : 60 fr. nets  
Garantie 10 ans.

Modèle spécial  
pour  
Machines  
d'Atelier :  
70 fr. nets

APPLICABLE  
A  
TOUTES  
Machines à coudre  
Scies à découper  
ETC.

PREX : 60 fr. nets  
Garantie 10 ans.

Modèle  
plus grand pour  
fortes Machines  
d'Industrie :  
70 fr. nets

FIG. 2. — Dessin exact de la *Pédale Magique Bâcle*. Pied moteur à mouvement hygiénique breveté.

L'adaptation de la *Pédale Magique* à toute machine à coudre évite les fâcheux inconvénients qu'occasionne l'emploi fatigant des bâtis ordinaires.  
Ce mécanisme ingénieux et simple étant dépourvu de bielle laisse toute latitude pour les mouvements des pieds, que l'on peut accentuer plus ou moins selon la commodité et la grandeur de la personne qui en fait usage. L'impossibilité de tourner à contresens évite tout apprentissage.

EMBALLAGE GRATIS

## No. 6 Machine.



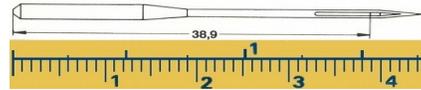
No. 6 Machine, with Leaf Table and Five Drawers

(two on each side and one in centre) and Cover

£9 17 6

The Drawers and Leaf Table, as above, can also be applied to the Family, Medium V.S., and No. 2 Rotary Machines.

# NEEDLE CODE 27



## ROUND SHANK

Singer - 29 X 3 Schmetz - 35:15 European - 65 / 160 / 332

Other - DI X 3

Company Code	Machine Name	Company Code	Machine Name
A1	American No. 1 & 2	J3	Jones Hand
A3	Appleton	J4	Junker & Ruh Rhenania
W14	Arm & Platform	L5	Ladd & Webster
W7	Buckeye O. S.	L8	Lockman
C1	Canada		Mandon
	Champion O. S.		Manning
F3	Fairbanks O. S.		Medon
F5	Folsom	G3	Osborn
G4	Gardner	R2	Raymond
G5	Gates	R1	Remington (Old)
	Gray & Dudley	K6	Richard Knoch Rhenania
G8	Guhl & Harbeck Progress VS	S1	Singer 29
H3	Haid & Neu Humboldt	S5	Springfield
	Hespler	T1	Tittel & Nies Rhenania
J1	Home Shuttle	W10	Wanzer E.
H2	Howe A. & B.		Ward (old)
H2	Howe Elias	W3	West & Willson
L5	Hunt & Webster	W	Wilson
J2	Jewel		

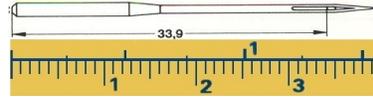


Jones Hand



Howe Model A

# NEEDLE CODE 28



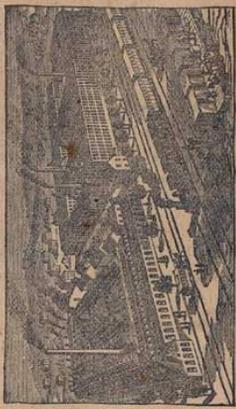
WHEELER & WILSON INDUSTRIAL  
Singer - 130 X 1 Schmetz - 17:15 European - 727  
Other - 12N1

Company  
Code

Machine Name

P2 Post  
E3 Sloat (Bradshaw Shuttle)  
W1 Wheeler & Wilson 12



<p>Covers 14 Acres of Ground.</p>  <p>WHEELER &amp; WILSON SEWING MACHINE FACTORY</p> <p>Turns out a MACHINE EVERY MINUTE.</p> <p>Employs 2,000 Workmen.</p>	<p>THE NEW WHEELER &amp; WILSON</p>  <p>SEWING MACHINE</p> <p>Wm. Sumner &amp; Co., Agts No. 7 East Third Street. MANSFIELD, O.</p>
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## NEEDLE CODE 29



## ELLIPTIC CURVED

Company  
Code

Machine Name

E3

Elliptic



## NEEDLE CODE 30



## FLORENCE CURVED

Company  
Code      Machine Name

F2      Florence



Florence Curved Needle Machine

## NEEDLE CODE 31

GROVER & BAKER CURVED  
European - 23



Company  
Code

Machine Name

G2

Grover & Baker curved



# NEEDLE CODE 32



## GROVER & BAKER STRAIGHT European - 19

Company  
Code

Machine Name

G2

Grover & Baker (straight flat shank)



2 No. 55  
FREE  
60 to 80 Cotton

### Quality Brand—Nickel Plated Sewing Machine Needles

*Made and used by Sewing Machine  
Manufacturers who know the requirements*

Packed 12 or 25 of a size or 12 assorted in package  
For All Makes of Family Type Machines

PRICES NET

Per Doz.	<b>15c</b>	Per 100	<b>\$1.10</b>
----------	------------	---------	---------------

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**Packed Two of a Size in a Paper**—Ten Papers to the Bundle

The most practical way to handle for dealers not familiar with the Needle business.

<small>Per Paper</small>	<small>Per 100 Papers</small>
<b>2½c</b>	<b>\$2.50</b>
<small>or at the rate of \$1.25 per 100 Needles</small>	

In ordering always state number of *papers* wanted giving name of Machine and size of needle. If in doubt about kind wanted send sample.

---

## Quality Combination Sewing Machine Needle and Supply Cabinet

— The Most Convenient Way for Handling Needles and supplies —

**Everything in Plain Sight and Absolutely Dust Proof**

**T**HE back of the Cabinet has a separate compartment or storage capacity for extra supplies and sundries the door of which is always closed so that everything can be kept clean.

Just the proper size for the counter

The contents of this case are as follows:

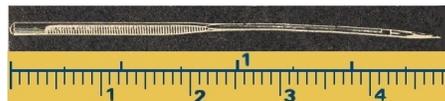
- 480 Papers Quality Brand (Nickel Plated) Needles, (2 in a paper).
- 1 dozen 3 ounce Quality Brand Oil, (square bottles).
- 1 dozen Best Quality Oil Cans.
- 1 dozen 3-16-72 inches Best Quality Belts, long enough for any machine.
- 1 dozen Excelsior Nickel Plated Sewing Machine Screw Drivers.
- 1 dozen Nickel Plated Shuttle Screw Drivers.
- 1 Interchangeable Needle List and Retail Price List.



**Price Complete** **\$16.50**  
Net

Retail Value of Supplies \$30.60

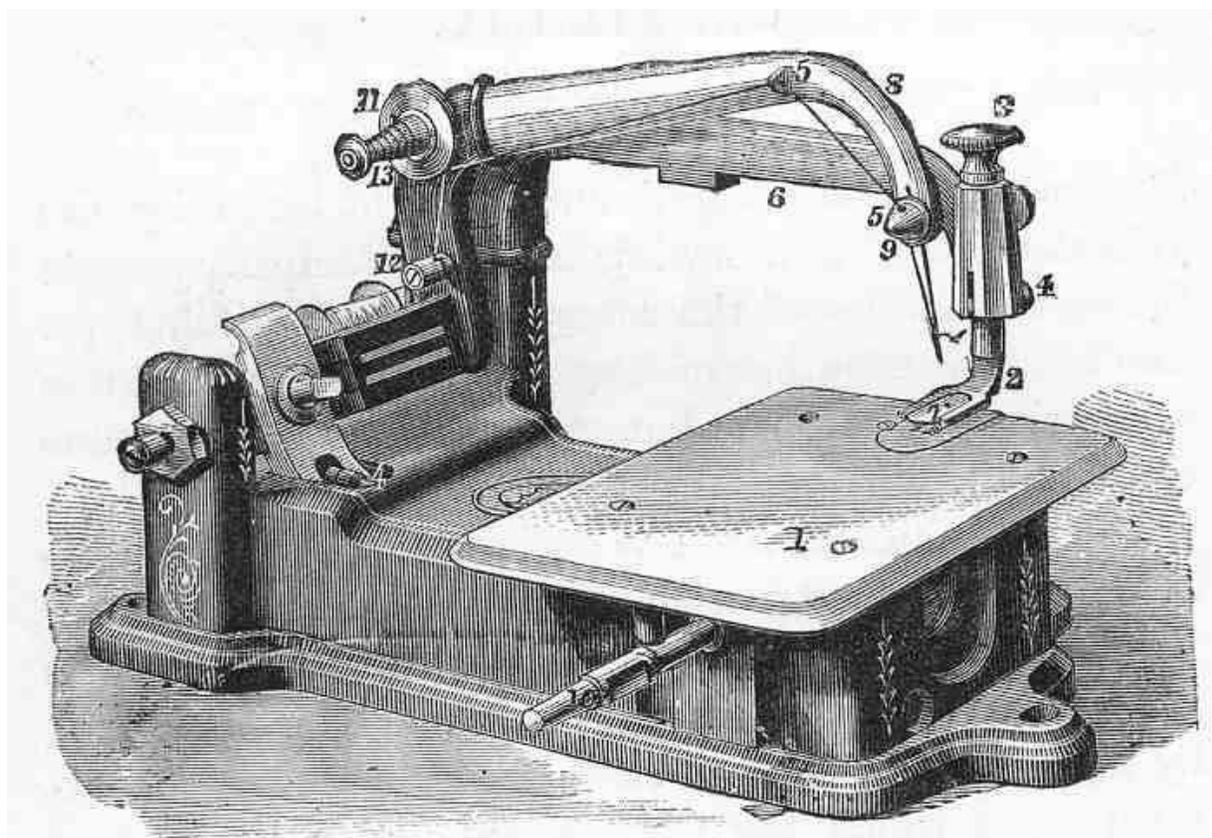
# NEEDLE CODE 33



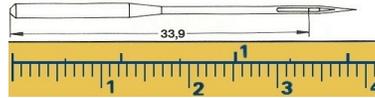
## WHEELER & WILSON CURVED European - 42 / 178

Company  
Code            Machine Name

W1            Wheeler & Wilson Curved



# NEEDLE CODE 34



## ROUND SHANK

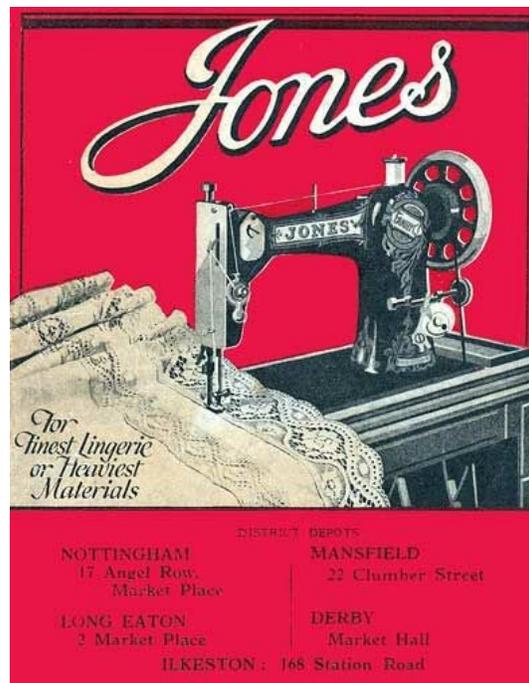
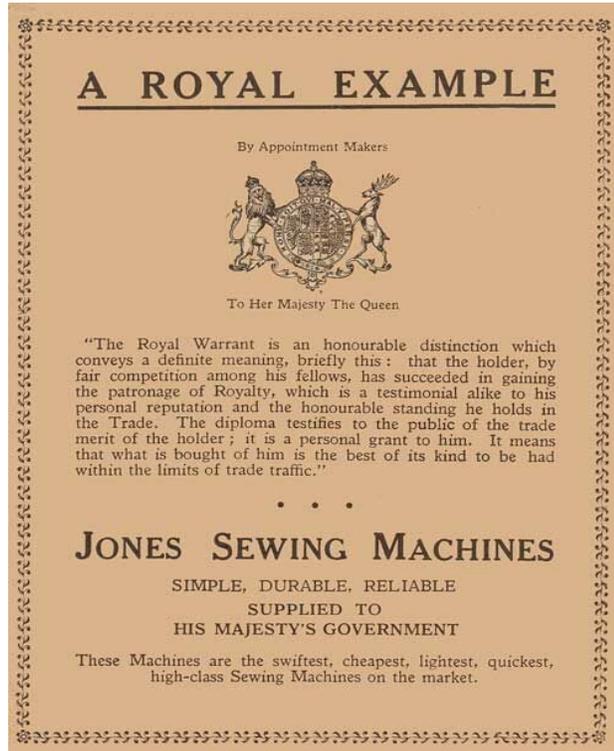
Singer - 128 X 1 Schmetz - 16:05 European - 728

Other - TI X 1

Company  
Code

Machine Name

- J3 The Avenue Family CS
- B7 Bradbury Family VS
- J3 The British Queen CS
- J3 Cestrian
- J3 Collier's No. 4
- J3 CWS Federation
- J3 Empress
- J3 F J Cock Family CS
- J3 Harris E
- J3 Harrodia Family CS
- J3 Jones CS E
- J3 Jones Empress
- J3 Jones Family CS
- J3 Jones Popular
- J3 Jones Spool
- J3 The Kenbar Family CS
- J3 Kildare Family CS
- J3 Martlet Family CS
- J3 Morton's Family CS
- J3 Nelson's Family CS
- J3 New Gresham Family CS
- J3 New Longford CS
- J3 Our Own Family CS
- J3 Paragon Family CS
- J3 The Pentagon Family CS
- J3 Pinnock Spool
- J2 Primrose Family CS
- J3 Royal Ruby CS
- J3 Rushby Family CS
- J3 Spierpon Queen Family CS
- J3 Thomas Gaffer Family CS
- J3 The Unique Machine Family CS
- J3 Vibra Family CS
- J3 Victoria Family CS
- J3 Walter Hale Family CS
- J3 Weekes Family CS
- J3 Wertheim Rapida Spool



## SECTION D

### LIST OF SEWING MACHINE MAKERS and SUPPLIERS

## SEWING MACHINE MAKERS and SUPPLIERS

Company Code	Company	Country
A1	American SM Co	USA
A2	Avery Mfg Co	USA
A3	Appleton Mfg Co	Canada
A4	Kochs Adler	Germany
A5	Anker-Werke	Germany
B1	Baby SM. Co.	USA
B2	Blees SM Co	USA
B3	Boston SM Co	USA
B4	Brosius SM & Motor Co	USA
B5	Baer & Rempel	Germany
B6	Biesolt & Locke	Germany
B7	Bradbury & Co Ltd	UK
B8	British SM Co	UK
C1	Canada SM Co	Canada
C2	Tryber & Sweetland/Chicago SM Co	USA
C3	Combination SM Co	USA
D1	Davis SM Co	USA
D2	Domestic SM Co	USA
D3	Daisy SM Co	USA
D4	Decker Mfg Co	USA
D5	New York SM Co/Demorest Mfg Co	USA
D6	Sigwalt/Diamond SM Co	USA
D7	Dauntless Mfg Co	USA
D8	L.O. Dietrich	Germany
D9	Dürkopp-Werke	Germany
E1	Estey/Brattleboro SM Co	USA
E2	Eclipse SM Co	USA
E3	Sloat/Elliptic SM Co	USA
E4	Ely Mfg Co	USA
E5	Excelsior SM Co	USA
F1	St. John/Royal/Free SM Co	USA
F2	Florence SM Co	USA
F3	Fairbanks SM Co	USA
F4	Finkle & Lyon/Victor SM Co	USA
F5	J. G. Folsom Co	USA
F6	Frister & Rossmann	Germany
G1	Foley & Williams/Goodrich SM Co	USA
G2	Grover & Baker SM Co	USA
G3	Guelph SM Co	Canada
G4	Gardner SM Co	Canada
G5	G.W. Gates & Co	Canada
G6	Grimme, Natalis & Co	Germany
G7	Gritzner-Werke	Germany
G8	Guhl & Harbeck	Germany
H1	Household SM Co	USA
H2	Howe/Stockwell Brothers	USA

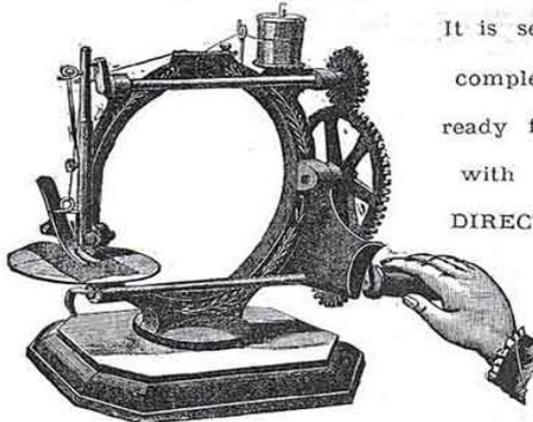
Company Code	Company	Country
H3	Haid & Neu	Germany
J1	Johnson, Clark & Co	USA
J2	Jewel Mfg Co	USA
J3	Jones SM Co	UK
J4	Junker & Ruh	Germany
K1	Keystone SM Co	USA
K2	King SM Co	USA
K3	Kruse Mfg Company	USA
K4	Kayser	Germany
K5	Adolf Knoch	Germany
K6	Richard Knoch	Germany
K7	Köhler	Germany
K8	Kimball & Morton	UK
L1	Leader/New Leader SM Co	USA
L2	Leslie SM Co	USA
L3	Leavitt SM Co	USA
L4	Love Mfg Co	USA
L5	Hunt & Webster/Ladd, Webster & Co	USA
L6	Lyon SM Co	USA
L7	Lange & Nicolaus	Germany
L8	Wilson, Bowman/Lockman & Co	Canada
M1	A. G. Mason SM Co	USA
M2	Manhattan SM Co	USA
M3	McLean & Bennor/McLean & Hooper	USA
M4	Melone SM Co	USA
M5	Clemens Müller	Germany
M6	Mundlos & Co	Germany
M7	Maxfield & Co/Franklin SM Co	UK
N1	New Home SM Co	USA
N2	Eldredge/National SM Co	USA
N3	Noble SM Co	USA
N4	Nothmann	Germany
O1	Oxford Mfg Co	USA
O2	Opel	Germany
P1	Planar, Braunsdorf & Co/Planar & Kayser	USA
P2	Post Combination SM Co	USA
P3	Pfaff	Germany
R1	Remington Empire SM Co	USA
R2	Charles Raymond	Canada
S1	Singer Mfg Co	USA
S2	Standard SM Co	USA
S3	Shaw & Clark SM Co	USA
S4	Secor Machine Co	USA
S5	Springfield SM Co	USA
S6	Stewart Mfg Co	USA
S7	Seidel & Naumann	Germany

Company Code	Company	Country
S8	Shepherd, Rothwell & Hough	UK
S9	Stoewer	Germany
S10	Spenser SM Co	USA
S11	William Sellers & Sons	UK
T1	Tittel & Nies	Germany
T2	William Frederick Thomas & Co	UK
V1	Vickers	UK
W1	Wheeler & Wilson Mfg Co	USA
W2	Weed SM Co	USA
W3	West & Willson Co	USA
W4	Willcox & Gibbs SM Co	USA
W5	White SM Co	USA
W6	Whitehill Mfg Co	USA
W7	W. G. Wilson SM Co	USA
W8	Whitney SM Co	USA
W9	Williams Mfg Co	Canada
W10	R.M. Wanzer & Co	Canada
W11	Wertheim	Germany
W12	Winselmann	Germany
W13	C.A. Wood Co.	USA
W14	E. Ward	UK
X1	Xray (unknown)	USA

**PRIZES.**—On March 24th, 1887, we shall award the following prizes: £10, £5, £2 10s., and £1. For the best and neatest work done by our customers on our new

## “HALF-GUINEA SEWING MACHINE.”

The greatest  
wonder of  
the age. A per-  
fect Sewing  
Machine for  
10s. 6d.



It is sent out  
complete and  
ready for use  
with FULL  
DIRECTIONS.

Illustrated Price List, Particulars of Prizes, with Sample of Work, 3 stamps; or the machine will be sent packed in neat box with full Particulars of Prizes, on receipt of Postal Order, P.O.O. or Cheque (payable to E. THOMAS & CO.) for 10s. 6d. Good agents required in towns not represented. Bankers, London South-Western, Limited.

E. THOMAS & CO.

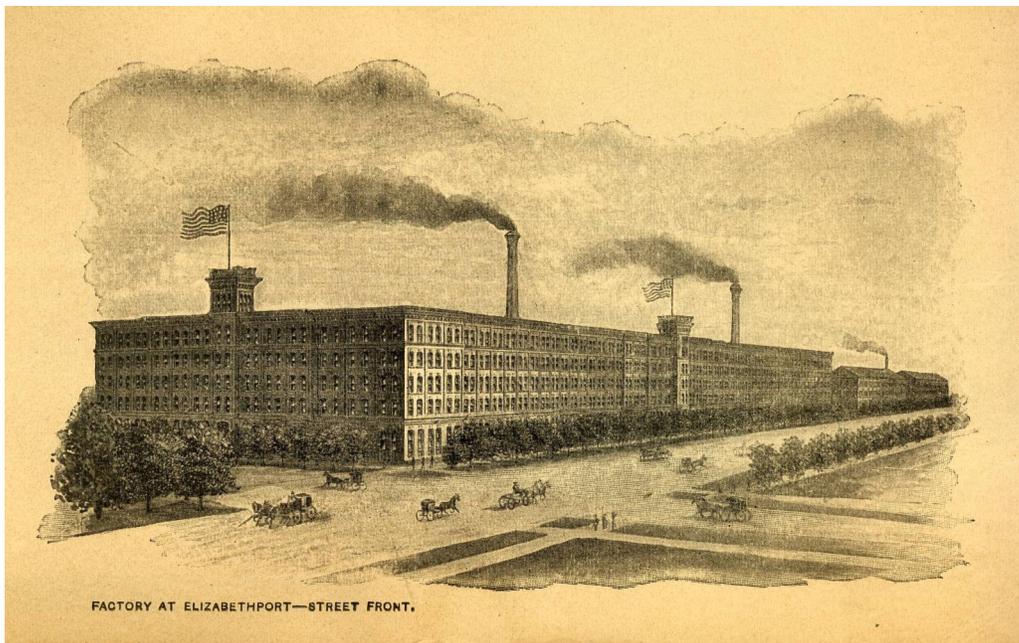
# Section E

## Appendix

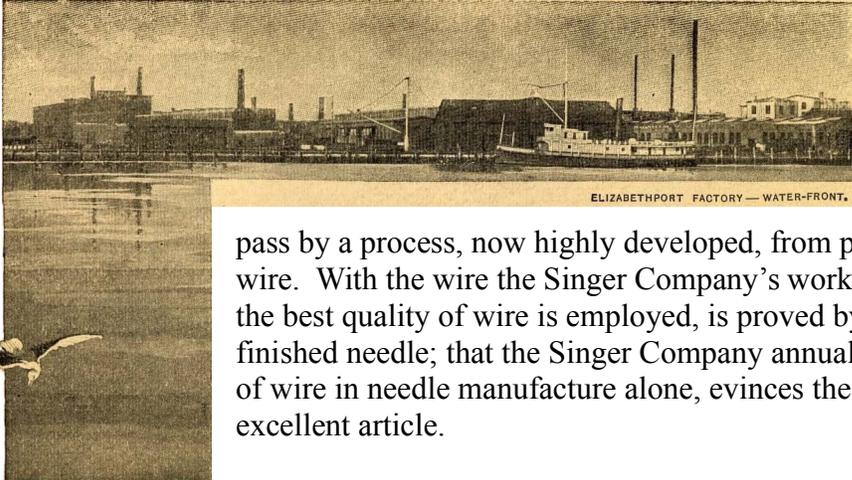


Needles of exactly the proper shape and of the very best quality are absolutely essential to good work with a sewing-machine. Singer cold-swaged needles have achieved a reputation that has made them the subject for numerous spurious imitations that can only be detected by use; therefore, it is only safe to purchase sewing-machine needles at a Singer Agency.

The importance of keeping the quality of its needles up to the highest standard is fully realized by The Singer Manufacturing Company, and the most careful attention is given to every detail in their manufacture.



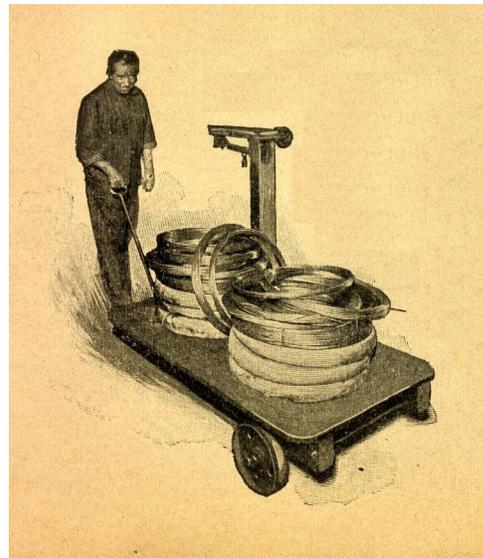
At Elizabethport, New Jersey, in the suburban district of New York City is situated one of the factories of The Singer Manufacturing Company. An area of 15,000 square feet on the fourth floor of an immense building is given up entirely to needle manufacture. The operations of this department form one of the most interesting features of the entire establishment; and the visitor who sees the intricate machinery and the sequence of processes which are employed to produce each needle, feels anew the magnitude of small things.



Nature is slow in producing the polished grain of sand from out of rock, and the needle must first

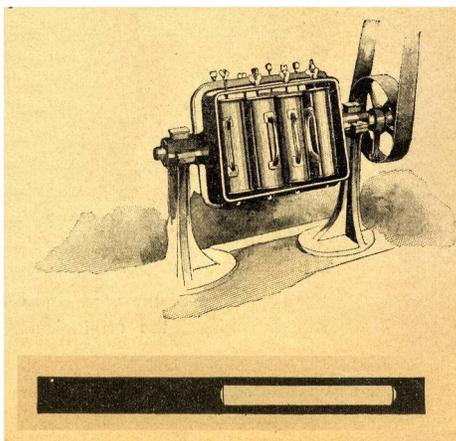
pass by a process, now highly developed, from pig-iron to steel wire. With the wire the Singer Company's work begins. That only the best quality of wire is employed, is proved by the quality of the finished needle; that the Singer Company annually uses eighty tons of wire in needle manufacture alone, evinces the popularity of an excellent article.

These needles are of various lengths and patterns, to suit the requirements of different varieties of Singer sewing-machines, but they are all classified in two general divisions, viz., cloth and leather. There are likewise different classes of points; but each needle, whether intended for the manufactory or for the familiar uses of the home, passes through the same general list of processes. These, as the visitor to the manufactory may view them, are in outline as follows:



The wire is first put through a machine called the straightener and cutter. This removes any bend in the wire, and cuts it into short pieces about one-third the required length of the needle when finished. These pieces of wire are known as the blanks.

The profile illustration below indicates the size and shape of a "blank" for the particular kind of needles, the development of which we will attempt to follow.

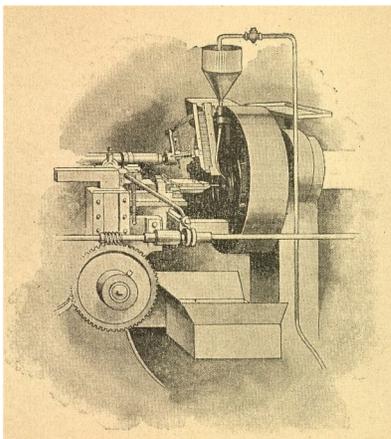


These blanks are placed in small iron cylinders, rotated in such a manner as to keep the wire in constant motion and friction. By this means scale and dirt are removed, and the pieces of wire prepared for the cold-swaging – a process which, as employed by the Singer Company, has been proved the best in the world for the purpose, and greatly increases the strength and elasticity of the needle's blade, which is formed during the operation.

We begin at this point to realise the fact that the making of a Singer Needle is not as simple an operation as it may be supposed, and to note here how many times in its evolution the needle must be handled as a unit, whether under human or mechanical manipulation. For cold-swaging, the blanks are

placed in a hopper, from which they are taken automatically one at a time, and the end presented to the action of a set of revolving sectional steel dies. By the constant opening and shutting of these dies while in rotation, the end of the blank is compressed and drawn out to form the blade, the extent of this manipulation being indicated by the profile shown below.

Some needle-makers form the blade by *cutting* the blank down to the required size, thus removing the strongest part of the wire, and using only its core which is coarser and softer. By the Singer process the original strength of the wire is not only retained but it is vastly increased by being forced and welded together, thus making it more compact and tough. Cold-swaged needle-blades are much stiffer and stronger than those formed by the cutting process.



There are many kinds of needles made here, from the tiny ones used for finest stitching of dainty fabrics to some that are five or six inches long, intended for manufacturing purposes. Each kind has its own peculiar number or mark, and this must be stamped on the shank of every needle of that kind. After swaging our bit of wire, it resembles one of these kinds to such an extent that it must next receive its proper stamp to as to be easily identified.

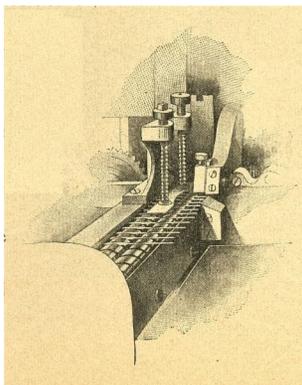


In the drawing out of the blade by the swaging process a slight variation has been produced in the lengths of our needles in embryo, and they must be trimmed to a uniform length.

A young woman attends an ingenious bit of mechanism that not only clips the end but stamps the shank of each needle.



The prominent feature of the machine for clipping and stamping is the ingenious arrangement of the screw-feed

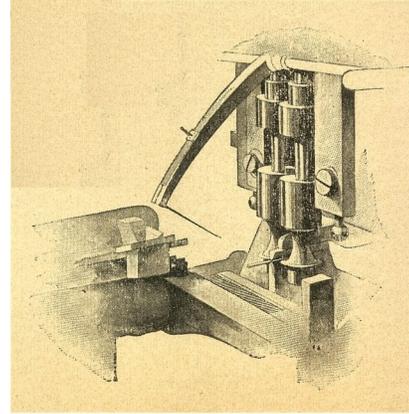


for simultaneously carrying the needles across, so that the ends of the shanks are aligned against a fence, and forward so that the points may be presented to a cutter, which trims all to a uniform length. Passing the cutter, each needle receives a blow from a die that stamps upon its shank the descriptive number. Only the round-shanked needles are handled by this machine; flat shanked needles, whose shape is produced by being ground in a machine fed by a peculiar toboggan-slide-like arrangement, require also special apparatus for stamping.

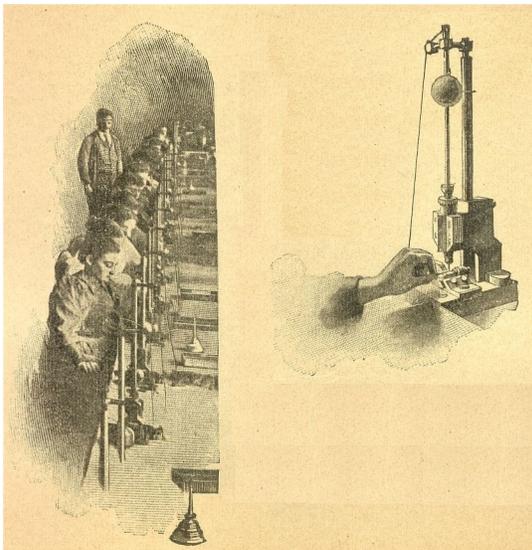
The illustration shows the effective way in which one of the oldest principles of mechanics – that of the screw – has been made to serve a purpose in the evolution of

our bit of wire. It will be shown again when it is used in the process of forming the point. It is the “flat-shanked” needle that is most familiar to users of Singer sewing-machines. This simple flattening of one side of the shank effectually prevents placing the needle into the needle-bar of your machine in any but the proper position and also better enables its rigid fastening when put into position for sewing.

After the needle is stamped, it is next taken to the grooving machine, by whose wonderful automatic mechanism the short groove on one side of the needle and the long groove on the other are simultaneously made by two circular saws, past which the needles are carried automatically. The saws are pressed in against the blade and withdrawn so as to give the required depth and contour to the groove.



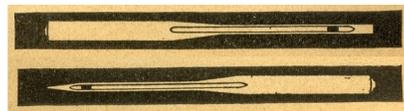
Our illustration shows the long finger that picks up one needle at a time, presents it to the action of the saws and then drops it into a trough. The profile shows the long groove.



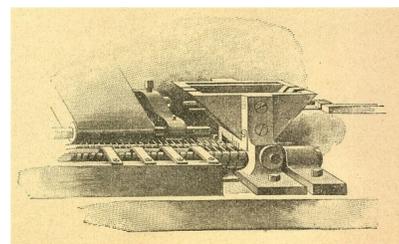
The needle is now ready for its eye. Manual dexterity and keen sight are necessary for this operation, and women are usually employed on it. The correct position of the needle in the eye-punching machine is insured by a central guide plate, which fits into the groove on the blade; at the will of the operator, the punch descends and passes through the blade into a hole in the central guide-plate.

But one needle can be punched at a time and every eye must be precisely the proper place and of the exact size required.

On a daily average a girl will punch 7,000 needle-eyes or more than a dozen a minute. The operators sit facing the windows and in close proximity thereto so as to get good light. One illustration shows a long row of them carefully intent on the work, the character and effect of which is more graphically presented in other illustrations.

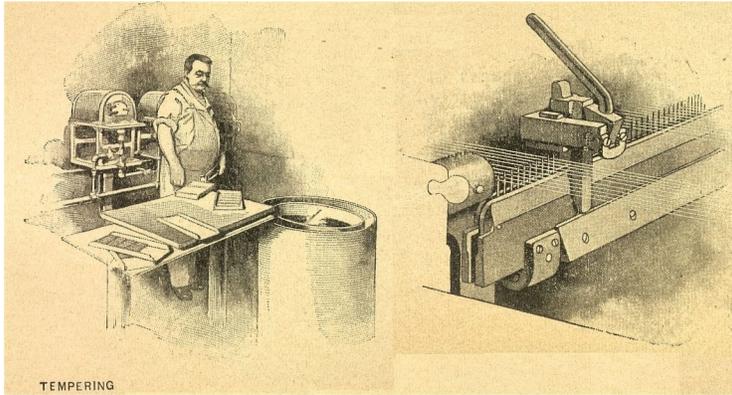


The next essential for the needle is its point. The machine for making the round points on the needles for cloth-sewing has a screw-feed, similar to that used in the clipping and stamping machine, but it is arranged to cause the needles to revolve as they are carried along and first passed under a swiftly-turning emery-wheel that shapes the round point, which passes next under a leather-covered disk that finishes the point.



The designation “*Cloth*” always means a needle with a round point.

Under the general title of “*Leather*” the needles have various shapes of points, described as *Twist*, *Reverse Twist*, *Wedge*, *Cross*, *Chisel*, *Reverse Chisel* and *Diamond* points. The different shapes are produced in several different ways, some by automatic mechanism, others by expert manual manipulation. This variety of shapes is necessary for the different uses of needles in leather stitching. It requires the greatest care and accuracy in making these points to satisfy the requirements of the

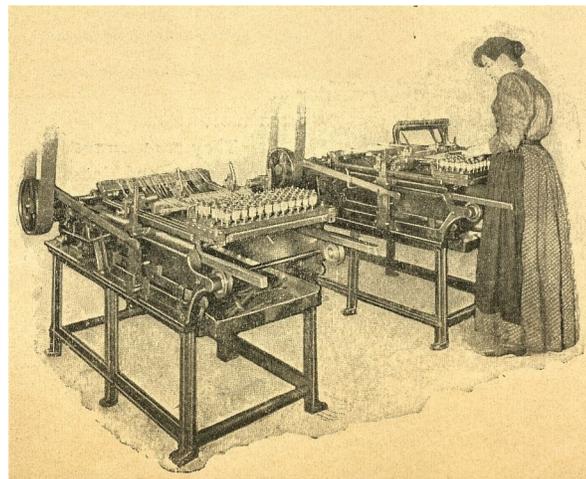


trade, and Singer needles for manufacturing purposes have attained the highest standard of excellence. It is in the factory use of sewing-machine needles that the tests are most severe, and Singer needles lead all others for such use. This fact proves conclusively that they

have attained supreme excellence in length of wear and uniformity of manufacture.

The shape of the needle is now complete, but the softness of the steel makes it useless as yet for practical purposes. Each needle must be hardened and tempered. It is therefore heated by gas to a cherry red; then passed through an oil bath, and afterwards tempered in special ovens. Peculiar processes are employed to accurately test the temper, and no needle is passed that falls below the high standard adopted by the Singer Company.

Quality has now been added to shape, but the colour of the needle and its point is dull. It must be polished. Among sixty to seventy of its fellows, it is arranged in flat-jawed tongs, and held against a scratch-brush of brass wire revolving 8,000 times a minute. This polishing by a bristle brush follows. To polish the eye so that there may be no danger of cutting the thread therein, the needles are strung on cotton threads covered with oil and emery; the thread is drawn back and forth while the needles are in various slanting positions, so that the polishing powder acts on all parts of the aperture. The illustration shows a section of the clamp in which the needles are placed points down; this clamp oscillates or has a rocking motion thus giving the needles the slanting positions previously referred to. Two machines are shown in operation and all will perhaps indicate to the reader the careful labor and great care expended to secure good clean eyes for your needle in order that it may be easily threaded and not cut the thread as so often happens with needles of inferior quality due to careless



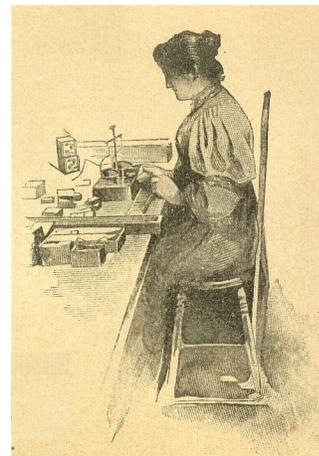
manufacture. After being removed from the thread, the needles are cleaned by a revolving brush.

They are then ready for the first inspection, under which the eyes, points and blades are scrutinized with the aid of a glass. For this operation no mechanism has been discovered; feminine delicacy of judgment is employed. Imperfect specimens are thrown aside and the perfect sent to the straightener. Here too, the skill and dexterity of the human hand are necessary. The needles are rolled on an anvil at the level of the eye of an expert operator, who is able to detect the slightest curvature and correct it by a tap of a small hammer. A second inspection for imperfections follows.



The needles that have passed through the above operations are now ready for finish-pointing, done on a fine emery, and for the finish-polishing by a revolving brush with crocus and alcohol.

Since they now have uniform shapes, sharp points, elastic blades, and smooth eyes, the needles are ready to be packed. This involves the placing of a uniform number, usually one hundred, in the peculiar boxes so familiarly known to the millions of persons using Singer needles. Accurate count is secured by placing the correct number in one side of delicately adjusted scales; a sufficient weight of needles to exactly balance the opposite side turns out a corresponding number.



Having been packed so as to be carefully protected from rust, the processes of manufacture are now complete, and the needles are ready for shipment. Their destinations number every household on the globe, every manufactory in which sewing has any share.

The polished needle, whose development from a coil of rusty wire we have watched, may be destined to work a button-hole, embroider a flower, stitch a piece of harness, or sew a long white seam. It has passed through thirty different hands in the course of an evolution which is the result of consummate human ingenuity. A hundred and fifty employees and lavish expenditure are concerned in this evolution, and the essential processes are such that only a fully equipped and well organized plant like that at Elizabethport can possibly produce needles of uniformly good quality. The public is anxious to secure an excellent article, and to satisfy the demand every year the Singer Company turns out twenty-five millions of needles similar to the one in whose manufacture we have been interested.

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