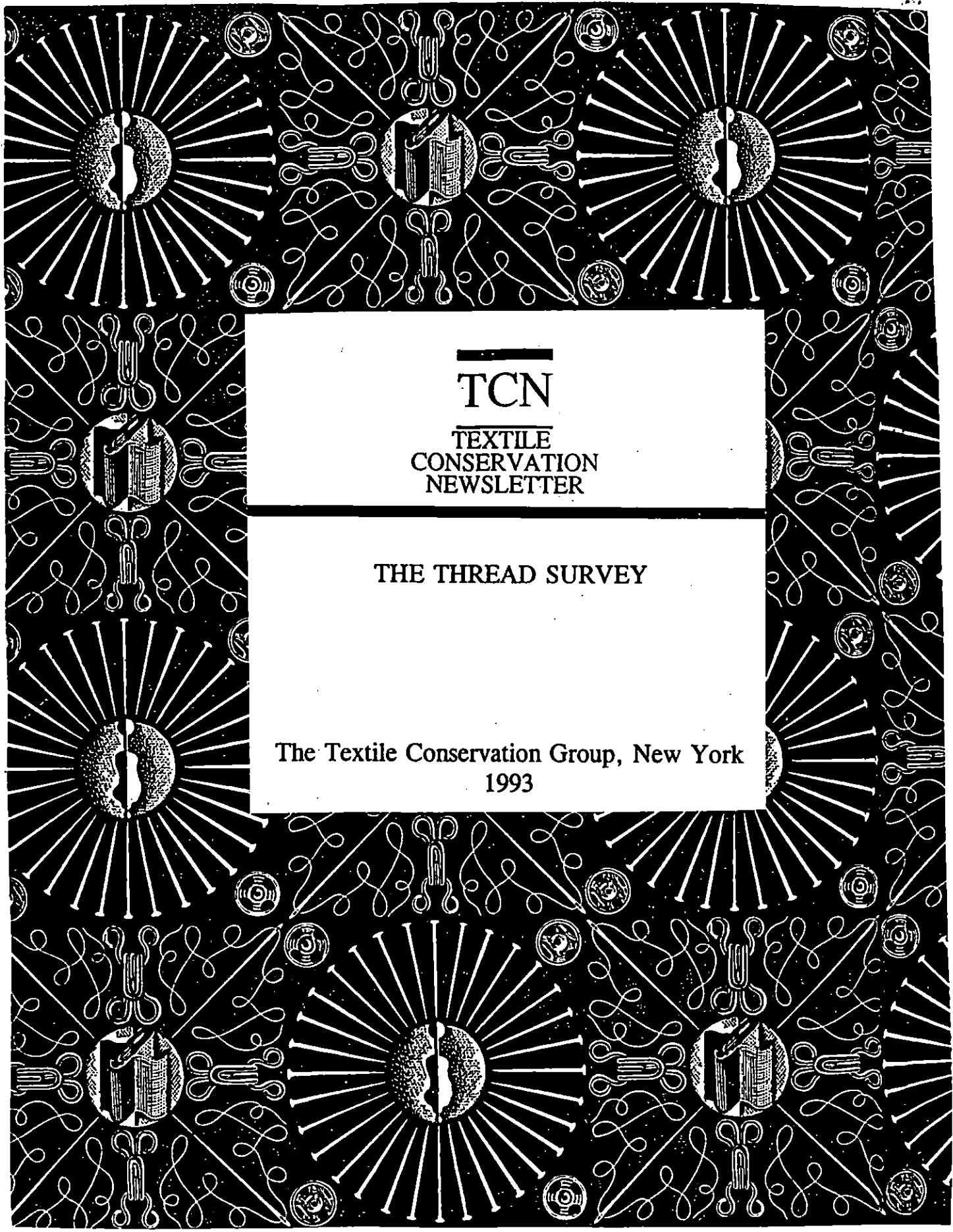


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TCN
**TEXTILE
CONSERVATION
NEWSLETTER**

THE THREAD SURVEY

**The Textile Conservation Group, New York
1993**

TO: The membership of the Conservation Group of New York

RE: The Stitching Group Thread Survey

Date: March 24, 1993

REPORT OF THE THREAD SURVEY

In the fall of 1992 the Stitching Group on Thread and Stitching Techniques, a research project of the Textile Conservation Group of New York, distributed a survey to thread manufacturers whose products are currently being used by textile conservators across the country. An earlier survey conducted by the Textile Conservation Group revealed that textile conservators lacked the adequate data to make informed choices about the threads used in conservation work. The survey sent to the manufacturers requested information on tensile strength, washfastness, and finishing properties.

Among the difficulties in doing this project was maintaining current addresses and contact people. As with many other businesses, the thread industry has seen mergers and liquidations. A letter of support from the International Thread Institute was sent along with the survey to assure our limited interest in their manufacturing processes. Nineteen companies were contacted, of these eight responded.

The attached information sheets contain the results of this survey. The information has not been interpreted, but presented as the manufacturer completed the form.

Respectfully submitted,

Zoe Annis Perkins
Frances K. Faille
Wendy Ingram

Committee Members

COMPANIES RESPONDING TO SURVEY.

Arova Mettler Ag
9400 Rorschach
Switzerland
USA Representative:
Swiss-Metrosene, Inc.
1107 Marlin Drive]
Roseville, CA 95661
1-800-544-8861
916/784-9567
916/784-9568 (fax)
Carl P. Jordan, Jr.,
President

Coats and Clark
545 W. Doyle St.
Toccoa, Georgia 30577

The DMC Corporation
10 Port Kearny
South Kearny, New Jersey 07032
Debbi Skinner

Paul L. G. Dulac and Co. S.A.
3, rue Romarin
5, place du Griffon
F-69001 Lyon, France

Gudebrod, Inc.
274 Shoemaker Road
Pottstown, PA 19464-6434

Kreinik Mfg. Co. Inc.
P.O. Box 1966
Parkersburg, WV 26102

Robinson-Anton Textile Co.
175 Bergen Boulevard
Fairview, NJ 07022

Swiss Silk Bolting Cloth Mfg. Co. Ltd. Zurich
USA Representative:
TETKO INC.
333 South Highland Ave.
Briarcliff Manor
New York, New York 10510

COTTON THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
DMC DMC Matte Cotton (Article 89) (Retors mat) 100% cotton 5 ply (non-divisible) one size (4) 213 solid shades	On synthetic fabric only; do not wash when on cotton or linen fabric.	No	N/A	May shrink when washed; may be ironed		None
DMC DMC Flower Thread (Article 106) 100% cotton 2 ply (non-divisible) one size (unsized) 180 solid shades	Yes	No	N/A	None		None
DMC DMC Pearl Cotton (Article 115-skeins; Article 116- balls) (Coton Perle) 100% cotton 2 ply (non-divisible) multifila- ment sizes 3,5,8,12 Art. 115/3- 180 solid shades Art. 115/5- 224 solid, 18 varieg. Art. 116/5- 86 solid shades Art. 116/8- 136 solid, 34 varieg. Art. 116/12- 14 solid shades	Yes, do not use Woolite	No	N/A	None	Double mercerized	None
DMC DMC Embroidery Floss (Article 117/25) (Mouline Special) 100% cotton 6 strand (divisible) one size (25) 360 solid shades, 36 variegated shades	Yes	No	N/A	None	Double mercerized	Not necessary, but may be pre-rinsed in 8 oz. lukewarm water with 1 tbs. white vinegar. Allow to dry thoroughly.

COTTON THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130 ^{OF}	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
DMC DMC Brilliant Crochet Cotton (Article 981) 100% cotton 2 ply (non-divisible) 1 size (bedspread weight) 21 solid shades	Yes	Yes, Perchlorethy- lene only	N/A	None		None
DMC Baroque Crochet Cotton (Article 158) 4 ply (non-divisible) 1 size (bedspread weight) white and ecru	Yes	No	N/A	None		None
DMC Cebelia Crochet Cotton 100% cotton 3-cord sizes 5,10,20,30 size 5- white, ecru sizes 10,20,30- 29 solid shades	Yes	No	N/A	None	Mercerized	None
DMC Cordonnet Special Crochet Cotton (Article 151) 100% cotton six-cord Sizes 10, 20,30,40,50,60,70,80, and 100 white and ecru	Yes	No	N/A	None	Mercerized	None
DMC Brilliant Tatting Cotton (Article 19) (Fil a Dentelles 100% cotton six-cord size 80 23 solid shades, 19 variegated	Yes	No	N/A	None	Mercerized	None

COTTON THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
Arova Mettler Ag Mettler Mercerized cotton 50/3, 40/3 Silk-Finish Ne 50/3 Silk-Finish Ne 40/3 (quilting) 100% cotton spun cotton Ne 50/3: spools of 150m, 500m Ne 40/3: spools of 150m, 457m 200 shades Ne 50/3 60 shades Ne 40/3	Yes	Yes	Ne 50/3 b.s.: 1060g elong: 6% Ne 40/3 b.s.: 1400g elong: 6%	Max. 2.5%	Silicone emulsion added during dyeing	None
Coats and Clark Talon-cotton 100% mercerized cotton 40-50-60 38 colors	Yes	Yes	40 b.s.: 2.43 elong: 5.4-7.4 50 60 b.s.: 1.53 elong: 3.8-5.8	None		
Coats and Clark J.P. Coats Supersheen 100% cotton z-twist 40-50-60 white, black	Yes	Yes	40 b.s.: 260 elong: 4.5-6.5 50 b.s.: 1.81 elong: 4-6 60 b.s.: 1.61 elong: 4-6		Disk wax finish	
Coats and Clark C&C Darning cotton-plain finish soft cotton-100% ply on ply white, black, brown, lt. metal	Yes	Yes	b.s.: .78 /ply elong: 4.5-6.5		Hot wax finish	

COTTON THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
DMC DMC Machine Embroidery Thread (Article 237/50) 100% cotton multi-filament, left twist size 50 192 solid shades 32 variegated shades	Yes	No	N/A	None	Mercerized	None

COTTON/POLYESTER THREADS

<p>COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range</p>	<p>Colorfastness to mild detergent solutions up to 130°F</p>	<p>Colorfastness to dry cleaning solutions</p>	<p>Breaking strength and elongation specifications</p>	<p>Shrinkage under normal ironing and washing conditions</p>	<p>Information on finishes</p>	<p>Recommendations for washing before conservation use</p>
<p>Coats and Clark J.P. Coats Dual Duty Plus 37% cotton/63% polyester z twist 264 colors</p> <p>Coats and Clark Talon- All Purpose Core Thread Polyester and cotton size 50 172 colors</p>	<p>Yes</p> <p>Yes</p>	<p>Yes</p> <p>Yes</p>	<p>b.s.: 2.71 elong: 17-21</p> <p>b.s.: 2.46 elong: 15.5-19.5</p>	<p>None</p> <p>None</p>	<p>Disk wax</p> <p>Cold wax</p>	

RAYON THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
Robinson-Anton Textile Co. #122 Super Strength Rayon 100% Viscose high strength rayon 120 denier 2 ply 209 colors	Yes, all colors withstand AATCC IVA Wash Test	Yes, but special care needed for shades of red and orange due to dye method used to produce these colors.	2.75 grams/denier (1.45 lbs.)	Shrink factor 1%		none

POLYESTER THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
Coats and Clark: Talon-polyester 100% polyester 3 ply 14 colors	Yes	Yes	b.s.: 2.50 elong: 15.5-19.5	None		
Coats and Clark Molnlycke-polyester 100% polyester long fibers 8506- 170 colors 8504- 95 colors 8509- 6 colors	Yes	Yes	b.s.: 2.67 elong: 11.7-15.7	None		
Arova Mettler Ag. Metrosene Polyester 60/3 Metrosene Plus No. 100 100% polyester spools of 150m, 500m, 1000m 240 shades	Yes	Yes	b.s.: 1400g elong: 15%	Below 1%	Silicone emulsion added during dyeing	None

WOOL THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
DMC Medicis wool Art. 475 (27.3yd/skein) Art. 478 (656.2 yd/hank) 100% virgin wool 2 ply (non-divisible) one size (unsized) 180 solid shades	No	Yes	N/A	May shrink if wash- ed; may be ironed	Mothproof	None
DMC Floralia Persian wool Art. 483 (172 yd./hank) Art. 484 (5.4 yd./skein) 100% wool 3/2 ply (divisible) one size (unsized) 336 solid shades	No	Yes	N/A	Should not be wash- ed; may be ironed	Mothproof	None
DMC Laine Colbert Wool tapestry #486 100% virgin wool 4-ply (non-divisible) one size (worsted weight) 430 colors	No	Yes	N/A	May shrink when washed; may be ironed	Mothproof	None

SILK THREADS

COMPANY NAME Product Fiber composition Yarn construction/twist Ticket range Color range	Colorfastness to mild detergent solutions up to 130°F	Colorfastness to dry cleaning solutions	Breaking strength and elongation specifications	Shrinkage under normal ironing and washing conditions	Information on finishes	Recommendations for washing before conservation use
Gudebrod, Inc. Silk Per V-T-301D	Yes	Yes	Breaking strength- PER V-T-301D Elongation- greater than 10%	None	No chemical finishes or treatments other than specified.	Statement not understood
Kreinik Mfg. Co., Inc. Soie Perlee 100% Mulberry silk filament silk- 3 ply	Washfast to 120°F	Yes	None	Will not shrink when washed or ironed. Washing above 100°F not recommended for colored or dyed yarns		Washing not necessary
Kreinik Mfg. Co., Inc. Soie Gobelins 100% Mulberry silk filament silk- 2 ply	Washfast to 120°F	Yes	None	Will not shrink when washed or ironed. Washing above 100°F not recommended for dyed yarns		Washing not necessary
Kreinik Mfg. Co., Inc. Soie d'Alger 100% Mulberry silk spun silk- 55/2/7	Acid dyes are used and are washfast to 120°F	Yes	None	Washing of colored silk yarns and thread not recommended. Hand washing at no more than 100°F may be used. Iron with cool iron.		Washing not necessary
Kreinik Mfg. Co., Inc. Soie Platte 100% Mulberry silk 1 ply untwisted filament silk	Acid dyes are used and are washfast up to 120°F	Yes	None	Washing not recommend ed since dyes are not washfast. Iron with cool iron.		NO!