

November 22, 1941.

Replacing LC 478
and LC 542

SOURCES OF INFORMATION ON PAINT AND
RELATED MATERIALS

<u>Contents</u>	<u>Page</u>
General information	1
Publications from Government Departments	2
Sources of abstracts of original articles	11
Suggested technical journals and trade magazines	12
Publications of scientific societies and trade associations	13
Publications of some pigment producers	15
Books classified into groups or subjects	17

GENERAL INFORMATION

This letter circular is intended to be of assistance to persons who write to this Bureau requesting sources of information on some subject relating to paint, varnish, lacquer and bituminous materials. It includes a list of publications issued by Federal and other Government agencies, sources of abstracts of original articles, a list of selected technical journals and trade magazines, a list of publications of technical societies and trade associations, and finally a list of selected books on paint and painting. When inquiries concern specific subjects, for example "wood finishing", a check mark will be placed opposite the sources of information that may be helpful.

The Federal Government publications listed may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., unless otherwise noted, at the prices given. Those listed as "Free" may be obtained without charge from the department issuing them. The rules of the Government Printing Office require that remittances be made in advance of shipment of publications, either by coupons, sold in sets of 20 for \$1

and good until used, or by check or money order payable to the Superintendent of Documents. Currency may be sent at sender's risk. Postage stamps, foreign money, and defaced or smooth coins are not acceptable.

Postage is not required for mailing within the United States, including Alaska, Guam, Hawaii, Panama Canal Zone, Philippine Islands, and Puerto Rico, nor for shipment to the Republic of Panama, Samoa (U.S.), Virgin Islands (U.S.), Canada, Cuba, Mexico, and Newfoundland (including Labrador). For mailing to all other countries an additional amount of about one-third of the purchase price is required. Remittances from foreign countries should be by international money order, or draft on an American bank, payable to the Superintendent of Documents.

The Superintendent of Documents, Washington, D. C., is authorized by law to sell copies of Government publications and to allow a discount of 25 percent to book dealers and purchasers of 100 or more publications, on condition that the purchasers will adhere to the public sales price set by the Superintendent of Documents and the publications shall not be overprinted with any advertising matter.

"Free" Government publications are not obtainable, unless otherwise noted, from the Superintendent of Documents.

Publications prepared by trade associations and other organizations may be procured by writing directly to them at the addresses given.

GOVERNMENT DEPARTMENTS

U. S. DEPARTMENT OF AGRICULTURE,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
FB 1157	5¢	Waterproofing and mildewproofing of cotton duck
FB 1452	5¢	Painting on the farm
L 62	5¢	Why some wood surfaces hold paint longer than others
-	35¢	Wood handbook (includes a chapter on painting and finishing wood)
C 128	10¢	Effectiveness of moisture-excluding coatings on wood
C 489	5¢	Selection, Installation, Finish, and Maintenance of Wood Floors for Dwellings
B 898	15¢	Turpentine

<u>Series</u>	<u>Price</u>	<u>Title</u>
C 110	5¢	Specific gravity and Baumé gravity tables for turpentine
TB 554	10¢	Rapid determination of oil content and oil quality in flaxseed
TB 619	5¢	Soybeans in the United States; Recent trends and economic status

U. S. DEPARTMENT OF AGRICULTURE,
FOREST PRODUCTS LABORATORY,
MADISON, WISCONSIN.

Mimeo. R921	Free	Paint thinners I. Effect of different paint thinners on the durability of house paints in outdoor exposure tests
Mimeo. R935 R1014 R1045	Free	First, Third and Fourth Progress Reports. Study of priming-coat reductions for painting new wood surfaces
Mimeo. R974	Free	Effectiveness of paints in retarding moisture absorption by wood.
Mimeo. R977	Free	Adhesion in the painting and in the gluing of wood
Mimeo. R1011	Free	Testing house paints for durability
Mimeo. R1015	Free	Effect of aluminum priming paint on the durability of house paints on wood
Mimeo. R1053	Free	Behavior of house paints on different woods
Mimeo. R1064	Free	What paint salesmen can do to prevent paint complaints
Mimeo. R1073	Free	Effect of extractive substances in certain woods on the durability of paint coatings
Mimeo. R1124	Free	A proposed system of classification for house paints
Mimeo. R1127	Free	The program of paint maintenance for the frame house
Mimeo. R1135	Free	Repainting paint-neglected frame houses
Mimeo. 8-31-36	Free	Some factors influencing the collection of moisture in walls and roofs of homes

4. LC 671

<u>Series</u>	<u>Price</u>	<u>Title</u>
Mimeo. R 6	Free	Some causes of blistering and peeling of paint on house siding
Mimeo. R1051	Free	Durability of paint on wood treated with zinc chloride
Mimeo. R1259	Free	Two-coat system of house painting
TN 181	Free	Coatings for minimizing changes in the moisture content of wood
TN 186	Free	Coatings that prevent end checks
TN 221	Free	Weathering and decay
TN 228	Free	Aluminum coatings for moisture-proofing wood
TN 249	Free	Fire-retardent paints containing borax
TN D-12	Free	Uneven coatings on wood cause warping

U. S. DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
WASHINGTON, D. C.

-	5¢	Animal and vegetable fats and oils - Production, consumption, imports, exports and stocks. Quarterly for calendar years 1931 to 1935
-	5¢	Paint, varnish and lacquer production (1933)
-	5¢	Wholesale trade in paints and varnishes (1932)
-	-	Census of manufacturers

U. S. DEPARTMENT OF COMMERCE,
BUREAU OF FISHERIES,
WASHINGTON, D. C.

S-41	Free	Selected bibliography of papers on fish oils
S-49	Free	Uses of fish oils
S-200	Free	List of publications
S-212	Free	Pearl essence
S-234	Free	Copper sulphate or bluestone as a net preservative
S-178	Free	Fish oils

<u>Series</u>	<u>Price</u>	<u>Title</u>
S-330	Free	Net preservative research, 1932
S-335	Free	Net preservative research, 1933

U. S. DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN & DOMESTIC COMMERCE,
WASHINGTON, D. C.

The Chemical Division sponsors the following publications, among others, and payment for subscriptions is made directly to the Bureau of Foreign and Domestic Commerce.

<u>Series</u>	<u>Price</u>	<u>Title</u>
-	\$.50 per year	Digest of trade hints for paint and varnish merchants
Pub. 2810	\$1.00 per year	Paint pigments, U. S. exports of (issued monthly)
Pub. 2811	\$1.00 per year	Paints, varnishes and nitrocellulose lacquer, U. S. exports of (issued monthly)
Pub. 2816	\$1.00 per year	Naval stores and linseed oil, U. S. exports of (issued monthly)
Pub. 2854	\$1.00 per year	Specified varnish gums, naval stores and tung oil, U. S. imports of (issued monthly)
Pub. 2855	\$1.00 per year	Crude coal tar products and natural dyeing and tanning materials, U. S. imports of (issued monthly)
Pub. 2861	\$1.00 per year	Pigments, U. S. imports of (issued monthly)
Pub. 2880	\$1.50 per year	Coal tar finished products; dyes, medicinals, photographics, etc., U. S. imports of (issued monthly)
Pub. 2890	\$1.00 per year	Tung oil exports from Hankow, China to United States and other countries (issued monthly)
Trade Promotion No. 133	10¢	Tung oil (order this from Superintendent of Documents)
Trade Promotion No. 186	10¢	American hardwood flooring and its uses

6. LC 671

U. S. DEPARTMENT OF COMMERCE,
UNITED STATES PATENT OFFICE,
WASHINGTON, D. C.

The Patent Office will give information to inquirers concerning the number of patents on file relating to any reasonable subdivision of subject matter, and all patents (including foreign) can be obtained for ten cents each, sent directly to the Patent Office.

U. S. DEPARTMENT OF COMMERCE,
NATIONAL BUREAU OF STANDARDS,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
LC 659	Free	National Bureau of Standards publications on paint, varnish and bituminous materials

This letter circular lists all the publications of the Bureau on paint, varnish and bituminous materials, as well as a list of all Federal Specifications for these materials. Included in the list are the following publications:

T 274	10¢	Use of U. S. Government specification paints and paint materials, Tech. Pap. B.S. <u>19</u> , 27 (1924-25).
LC 304	Free	Painting plaster
LC 334	Free	Spray painting
LC 422	Free	The painting of structural metal (steel, galvanized metal, tin plate, and copper)
LC 445	Free	Painting steam and hot water radiators
LC 464	Free	Wood and shingle stains
LC 489	Free	Inside wall paint for chemical laboratories
LC 603	Free	Outside house painting
LC 671	Free	List of published material relating to paint, etc. (includes a list of books)
TNB	5¢ per copy 50¢ per year	Technical News Bulletin (issued monthly) Occasionally, short articles on paint appear in this bulletin. The articles may describe the results of a roof exposure test, the results of a short investigation, the development of a test method, etc.

<u>Series</u>	<u>Price</u>	<u>Title</u>
JR	25¢ per copy	Journal of Research of the National Bureau of Standards (issued monthly) Important investigations are described in this publication
M130	\$1.75	National Directory of Commodity Specifications. Misc. Pub. B.S. M 130 (1932) An index of all commodity specifications, including pigments, paints and varnishes.

TIBM (Technical Information on Building Materials) Series.

Distribution is limited to Government officials and to architects, engineers, and home builders.

TIBM-9	Free	Concrete floor treatments
TIBM-11	Free	Paint for priming plaster surfaces
TIBM-18	Free	Painting plaster
TIBM-30	Free	Paint pigments - white
TIBM-31	Free	Paint pigments - black, red, and lakes
TIBM-32	Free	Paint pigments - yellow, brown, blue, green and bronze
TIBM-33	Free	Federal specification paint pigments and mixing formulas
TIBM-34	Free	Federal specification ready-mixed paints, semipaste paints and mixing formulas
TIBM-35	Free	Preparation of paints from paste and dry pigments
TIBM-36	Free	Preparation of paints from semipaste paints thinning ready-mixed paints and preparation of water paints
TIBM-39	Free	Types of decks adapted to bituminous built-up roofing
TIBM-40	Free	Materials used in bituminous built-up roofing
TIBM-43	Free	Aluminum paint
TIBM-44	Free	Paint drying oils - linseed
TIBM-45	Free	Miscellaneous paint drying oils and paint driers

<u>Series</u>	<u>Price</u>	<u>Title</u>
TIBM-46	Free	Volatile paint and varnish thinners
TIBM-47	Free	Varnish and lacquer
TIBM-48	Free	Shellac
TIBM-49	Free	Wood and shingle stains
TIBM-51	Free	Shingles; mineral-surfaced asphalt
TIBM-56	Free	Plastic caulking and pointing materials

FEDERAL SECURITY AGENCY,
NATIONAL YOUTH ADMINISTRATION,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Tech. I.C. 7	Free	Wood finishing

FEDERAL WORKS AGENCY,
PUBLIC ROADS ADMINISTRATION,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
PR	10¢	Public Roads (issued monthly)

GOVERNMENT PRINTING OFFICE,
SUPERINTENDENT OF DOCUMENTS,
WASHINGTON, D. C.

All the various Federal Government publications for which prices are given are obtainable, unless otherwise noted, from this office. In addition, the Superintendent of Documents will send free, on application, price lists on various subjects. For example, Price List 75 covers all Federal Specifications (including those on paint, varnish, and bituminous materials), while Price List 36 contains a list of Government periodicals for which subscriptions are taken.

DEPARTMENT OF THE INTERIOR,
BUREAU OF MINES,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
-	Free	List of publications
I.C. 6118	Free	Graphite, Part I, General information

<u>Series</u>	<u>Price</u>	<u>Title</u>
I.C. 6122	Free	Graphite, Part II, Domestic & foreign deposits
I.C. 6123	Free	Graphite, Part III, Utilization of graphite
I.C. 6124	Free	Graphite, Part IV, Status of the American graphite industry
I.C. 6132	Free	Ocher and ochery earths
I.C. 6504	Free	Umber, sienna and other brown earth pigments
I.C. 6627	Free	Iron oxide pigments and mortar colors
I.C. 6381	Free	Trends in white pigment consumption (1936)
Bul. 370	15¢	Iron oxide pigments of the United States
-	\$2.00	Mineral Yearbook - 1940 (includes factual data on lead and zinc pigments, carbon black, asphalt, and related bitumens together with information on metals, non-metals, etc., in a bound book. Separate chapters on the individual subjects, for example on carbon black, are available also.) For example a reprint on lead and zinc pigments and zinc salts - 5¢

DEPARTMENT OF THE INTERIOR,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Bul. 193	35¢	Training for the painting and decorating trade

DEPARTMENT OF LABOR,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Bul. 7	10¢	Recent changes in the painters' trade

NAVY DEPARTMENT,
BUREAU OF SHIPS,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Bul. 10	10¢	Technology of ship-bottom paints and its importance to commercial and naval activities
	15¢	Instructions for painting and cementing vessels of the U. S. Navy, general specifications.

10. LC 671

<u>Series</u>	<u>Price</u>	<u>Title</u>
-	10¢	Sailors' Manual of paints and painting

NAVY DEPARTMENT,
NAVAL AIRCRAFT FACTORY, PHILADELPHIA, PA., OR
BUREAU OF AERONAUTICS, WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
ST-15C	Free	Tentative specifications for inspection of organic protective coatings
-	Free	Index of specifications of the Bureau of Aeronautics

NAVY DEPARTMENT,
BUREAU OF SUPPLIES AND ACCOUNTS,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
-	Free	Index of specifications used by the Navy Department for Naval Stores and material

NAVY DEPARTMENT,
BUREAU OF YARDS AND DOCKS,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
No. 7Yg	-	Specification for roofing, siding, and sheet-metal work; dampproofing and membrane waterproofing

WAR DEPARTMENT,
OFFICE OF THE QUARTERMASTER GENERAL,
WASHINGTON, D. C.

<u>Series</u>	<u>Price</u>	<u>Title</u>
-	Free	Index of United States Army and Federal specifications used by the War Department

NORTH DAKOTA REGULATORY DEPARTMENT,
STATE OF NORTH DAKOTA,
BISMARCK, NORTH DAKOTA.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Bul. 53	60¢	Paint Bulletin. Resumé of previous publications of this State dealing with test fence data. Recent analyses of paints and varnishes, by brand. North Dakota paint and varnish law.
Bul. 62	-	Farmer's Paint Bulletin

OHIO STATE UNIVERSITY,
ENGINEERING EXPERIMENT STATION,
COLUMBUS, OHIO

<u>Series</u>	<u>Price</u>	<u>Title</u>
Bul. 32	Free	Paint for the farm (1936). (Contains useful information to the homeowner).

ABSTRACTS OF ORIGINAL ARTICLES ON CURRENT LITERATURE

INCLUDING PATENTS

ABSTRACT REVIEW (devoted entirely to paint and related products)

Published periodically by the National Paint, Varnish and Lacquer Association, Inc., 2201 New York Avenue, N. W., Washington, D. C.

CHEMICAL ABSTRACTS

Published semi-monthly by the American Chemical Society, Mills Building, Washington, D. C. This magazine is available in practically any large public library.

REVIEW (devoted entirely to paint and related products)

Prepared every other month by the Research Association of British Paint, Colour, and Varnish Manufacturers, published by Chorley & Pickersgill, Ltd., Norfolk St., Strand, London, W.C. 2, England.

TECHNICAL JOURNALS AND TRADE MAGAZINES

Articles on paint, varnish, lacquer, and related products may be found in a large number of technical journals and trade magazines. The following selected list is suggested:

- American Ink Maker, 254 W. 31st St., New York City.
- American Paint and Oil Dealer, 3713 Washington Avenue, St. Louis, Missouri.
- American Paint Journal, 3713 Washington Ave., St. Louis, Mo.
- American Painter and Decorator, 3713 Washington Ave., St. Louis, Missouri.
- A.S.T.M. Bulletin, 260 S. Broad Street, Philadelphia, Pa.
- The Analyst, W. Heffer & Sons, Ltd., 4 Petty Cury, Cambridge, England.
- Chemical & Metallurgical Engineering, McGraw-Hill Pub. Co., 330 W. 42nd Street, New York City.
- Circulars of the Scientific Section, National Paint, Varnish, and Lacquer Association, Inc., 1500 Rhode Island Ave., N. W., Washington, D. C.
- Industrial & Engineering Chemistry, 1155 16th St., N. W., Washington, D. C.
- Industrial & Engineering Chemistry, Analytical Edition, 1155 16th St., N. W., Washington, D. C.
- Industrial Finishing Magazine (U.S.), 802 Wulsin Building, Indianapolis, Ind.
- Journal of the American Chemical Society, 1155 16th St., N.W., Washington, D. C.
- Journal of Research of the National Bureau of Standards, Government Printing Office, Washington, D. C.
- Journal of the Oil & Colour Chemists Association, 30 Russell Square, London, England.
- Journal of the Optical Society of America, Cornell University, Ithaca, N. Y.
- National Paint Bulletin, 1340 New York Ave., Washington, D. C.
- Official Digest of the Federation of Paint & Varnish Production Clubs, 704 Weightman Bldg., Philadelphia, Pa.

Oil, Paint and Drug Reporter, 59 John Street, New York City.

Official Gazette of the United States Patent Office, Commissioner of Patents, Washington, D. C.

Paint Industry Magazine, The, 704 Weightman Bldg., Philadelphia, Pa.

Painters Magazine, National, 59 John Street, New York City.

Paint, Colour, Oil, Varnish, Ink, Lacquer Manufacture, 231-2 Strand, W. C. 2, London, England.

Paint, Oil and Chemical Review, 537 So. Dearborn St., Chicago, Ill.

Paint & Varnish Production Manager (M. R. Drake, Publisher), Mills Building, Washington, D. C.

Paint Technology, 37-38 Golden Square, Piccadilly Circus, London, W-1, England.

NATIONALLY KNOWN SCIENTIFIC & TECHNICAL SOCIETIES

AND TRADE ASSOCIATIONS

The following organizations publish information on paint, varnish, lacquer and related products:

AMERICAN CHEMICAL SOCIETY,
1155 16th St., N.W., Washington, D. C.

<u>Price</u>	<u>Title</u>
\$7.50 year	Industrial & Engineering Chemistry, issued monthly
\$2.00 year	Industrial & Engineering Chemistry, Analytical Edition, six times a year
\$12.00 year	Chemical Abstracts, semi-monthly

AMERICAN SOCIETY FOR TESTING MATERIALS,
260 South Broad St., Philadelphia, Pa.

<u>Price</u>	<u>Title</u>
\$1.50	Bulletin (published six times a year)
\$9.00	Proceedings, issued yearly (published in two parts prior to 1939)

Included are the following committees:

- D-1, Paint, Varnish, Lacquer & Allied Products
- D-8, Bituminous Waterproofing & Roofing Materials
- D-17, Naval Stores

14. LC 671

<u>Price</u>	<u>Title</u>
	Standards, issued every 3 years (next in 1942)
\$8.00	Part I -- Metals
\$8.00	Part II -- Non-Metallic Materials, Constructional
\$8.00	Part III -- Non-Metallic Materials, General
\$1.25	Symposium on Paint and Varnish Materials
\$1.75	Preservative Coatings (A.S.T.M. standard specifications)
.60	Symposium on Accelerated Tests.

AMERICAN ZINC INSTITUTE, INC.,
60 East 42nd Street, New York, N. Y.

<u>Price</u>	<u>Title</u>
Free	Metallic zinc paint

FEDERATION OF PAINT & VARNISH PRODUCTION CLUBS, 704 Weightman Bldg.,
Philadelphia, Pa.

<u>Price</u>	<u>Title</u>
\$5.00	"Official Digest" (contains excellent articles on paint of a technical nature, and published each month except July and August)

PAINTING AND DECORATING CONTRACTORS OF AMERICA,
125 North Jefferson Avenue, Peoria, Ill.

<u>Price</u>	<u>Title</u>
\$2.00	Painting and decorating working methods (Theo. Audel & Co., Publishers, 65 West 23rd Street, New York, N. Y.) (A very practical book on painting).
-	Painting Specifications (1938)

LEAD INDUSTRIES ASSOCIATION,
420 Lexington Avenue, New York, N. Y.

<u>Price</u>	<u>Title</u>
Free	Selecting the proper paint

NATIONAL LIME ASSOCIATION,
927 Fifteenth Street, N. W., Washington, D. C.

<u>Price</u>	<u>Title</u>
Free	Whitewash and cold water paints (best information on the subject that has come to our attention).

NATIONAL PAINT, VARNISH AND LACQUER ASSOCIATION, INC.
Henry A. Gardner, Director, Scientific Section,
1500 Rhode Island Ave., N. W., Washington, D. C.

This Section has issued over 600 circulars on various problems relating to the paint industry. These publications are highly instructive and are of a very practical nature. Inquiries should be addressed directly to the Association. A few selected publications of particular interest to home owners are as follows:

<u>Series</u>	<u>Price</u>	<u>Title</u>
C 147	-	Suggestions on painting cement construction
C 327	-	Painting stucco surfaces
C 428	-	Construction defects
C 515	-	Priming and painting brick structures
C 475	-	Mildew prevention

NATIONAL RESEARCH COUNCIL,
Washington, D. C.

<u>Price</u>	<u>Title</u>
\$10.00	Marine structures, their deterioration and preservation, by W. G. Atwood & A. A. Johnson

PORTLAND CEMENT ASSOCIATION,
National Press Building, Washington, D. C.

<u>Price</u>	<u>Title</u>
Free	Portland cement stucco (contains suggestions on painting)

PUBLICATIONS OF SOME PIGMENT PRODUCERS

ALUMINUM COMPANY OF AMERICA,
Pittsburgh, Pa.

Aluminum paint specifications.

Aluminum paint.

Aluminum paint in the protection of wood.

THE EAGLE-PICHER LEAD COMPANY,
Temple Bar Bldg., Cincinnati, Ohio.

Fighting rust with sublimed blue lead (an excellent book
on the use of blue lead)

Eagle tinting and mixing guide (contains formulas for
tinting white lead)

Eagle Painters' Manual

THE O. HOMMEL COMPANY,
Pittsburgh, Pa.

The why and how of bronze powder.

NATIONAL LEAD COMPANY,
111 Broadway, New York City.

Dutch Boy Quarterly

The handbook on painting (an excellent booklet on white
lead paint formulas)

Structural metal painting (an excellent booklet on red
lead paint formulas)

Color pack for painters (contains formulas for tinting
white lead, together with color
chips)

NEW JERSEY ZINC COMPANY,
160 Front Street, New York City.

Metallic zinc powder in industrial paint

Light reflection value of color in paint.

Painting galvanized iron and other zinc surfaces

Effect of adding zinc oxide to iron oxide paints.

PITTSBURGH-DES MOINES STEEL COMPANY,
Pittsburgh, Pa.

<u>Series</u>	<u>Price</u>	<u>Title</u>
Tech. Bul. 3304	Free	Final report on Ambridge tests of paints for water tank interiors

In addition to the above, many leading paint and varnish
manufacturers issue free booklets covering the various uses of
their products.

BIBLIOGRAPHY OF SOME SELECTED BOOKS ON PAINT, PAINTING, VARNISH
LACQUER, BITUMINOUS MATERIALS, AND RELATED SUBJECTS

Obviously a complete list of books on paint and related subjects would be extremely cumbersome. Therefore, the following list of books, classified as to subject matter, has been selected as being of most probable value to the reader. Frequently within a certain group, one or two outstanding books on the subject are recommended. Cross references to books in other groups are given.

In the following list, the prices are those given at the time this publication was written. The books may be purchased (unless otherwise stated) from one or more of the following firms, as indicated by the abbreviations before each book; most of the books may be consulted in large public libraries:

- a = American Paint Journal Co., 3713 Washington Avenue, St. Louis, Missouri.
- b = P. Blakiston's Son & Company, Inc., 1012 Walnut St., Philadelphia, Pa.
- m = The Macmillan Company, 60 Fifth Avenue, New York City.
- o = Oxford University Press, 114 Fifth Avenue, New York City.
- p = Paint, Oil and Chemical Review, 537 South Dearborn Street, Chicago, Ill.
- pm = The Painters Magazine, 59 John Street, New York City.
- r = Reinhold Publishing Corporation, 330 West 42nd St., New York City.
- v = D. Van Nostrand Company, Inc., 250 Fourth Avenue, New York City.
- w = John Wiley & Sons, Inc., 440 Fourth Avenue, New York City.
- c = Chemical Publishing Company, Inc., 234 King Street, Brooklyn, New York.

Automobile Painting

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
1.	r and *	\$3.50	Miskella, Wm. J., Practical automotive Lacquering. *Finishing Research Laboratories, Inc., Chicago, Ill.
2.	a, pm	\$3.00	Pearce, Marvin, J., Modern automobile painting
3.	a, pm	\$1.50	Vanderwalker, F. N., Automobile painting

No. 1, published in 1928, is of particular interest to the reader interested in the modern use of pyroxylin lacquer, using spraying equipment; No. 3 treats more of the older types of automobile and carriage painting.

Bitumens (asphalts, coal-tars, pitches, etc.)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
4.	a, r, p	\$10.00	Abraham, Herbert, Asphalts and allied substances
5.	r	\$5.50	Broome & Child, The testing of bituminous mixtures
6.	r	\$10.00	Bunbury, H. M., & Davidson, A., Industrial Application of Coal-Tar Products
7.	r	\$7.50	Cross, Roy, A handbook of petroleum, asphalt and natural gas
8.	v, s	\$6.00	Langton, H. M., Blacks and pitches
8a.	*	\$3.00	McCawley, Jas., Roofing - estimating, applying, repairing. *Jas. McCawley, 175 Fifth Ave., New York City.

No 4 is generally considered the standard reference book on the subject. No. 8 is written by a practical roofer.

Casein & Glue (Cold Water Paints)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
9.	r	\$6.00	Bogue, R. H., Chemistry and technology of gelatin and glue
10.	r	\$6.50	Sutermeister, E., and Browne, F. L., Casein and its industrial applications

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
10a.	c	\$3.00	Hadert, Casein and its uses

Both Nos. 9 and 10 are valuable references.

Color - Color Mixing - Color Guides - Coal-Tar Colors

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
11.	a	\$37.50 & \$45.00	Bauman's color guides
12.	a	\$1.00	Bustanoby's how to mix colors
13.	r	\$10.00	Green, A. G. A systematic survey of the organic coloring matters
14.	r, a, p	\$12.00	Maerz, A. and Paul, M. R. A dictionary of color
15.	a, r	\$3.50	Miskella, W. J., Practical Color Simplified
16.	r	\$10.00	Schultz, G., and Julius P., Systematic survey of the organic colouring matters
17.	a, b	\$7.50	Taylor, E. J., Color harmony keyboard, charts
18.	a, pm	\$2.00	Vanderwalker, F. N., Mixing of colors and paint
19.	C. Griffin & Co., London	\$5.00	Zerr, G., and Mayer, C., Tests for coal-tar colors in aniline lakes
20.	G. E. Stechert & Co., N.Y.C.	\$16.65	Zerr, G., and Rubencamp, R., and Mayer, C, A treatise on color manufacture

Nos. 11, 12, 15, 17 and 18 are helpful to those interested in color mixing and tinting; No. 14 contains printed color plates and is the most extensive dictionary of color as yet published; Nos. 13, 16, 19 and 20 are of interest to technical men and paint manufacturers; see also references 45, 46, 48, 49, 51, 52, 73 and 75.

Drying Oils and Driers

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
21.	b, r	\$7.50	Allen, A. H., Commercial organic analysis, Vol. II - Fixed oils, fats and waxes
22.	r	\$6.00	Andes, L. E., Vegetable fats and oils
23.	-	-	Armitage & Stevens. A very complete study of china wood oil appeared in 1914. Published and privately distributed by the authors. A formulary by Mr. Stevens, giving valuable data appeared in 1924. Geo. H. Stevens, 845 Broad Street, Newark, N. J.
24.	r	\$8.00	Chalmers, T. W., The production and treatment of vegetable oils
25.	r	\$6.00	Holde-Mueller, Examination of hydrocarbon oils and of saponifiable fats and waxes
26.	r, a, p	\$6.50	Jamieson, George S., Vegetable fats and oils
27.	m, r		Lewkowitsch, J., Chemical technology and analysis of oils, fats and waxes, Vol. I Vol. II Vol. III
		\$12.00	
		\$14.00	
		\$12.00	
28.	r, a, p	\$8.00	Morrell, R. S., and Wood, H. R., The Chemistry of drying oils
29.	a, r	\$.50	Pickard, Glenn H., Lesser-used drying oils
29a.	c	\$1.75	Bennett, E. F., A review of driers and drying

Nos. 21, 26, 27 and 28 are the standard authorities on the chemistry of oils, the outstanding book being No. 27; No. 24 describes the industrial side of the subject.

Formularies - Encyclopedias - Paint QuestionsAnswered, Etc.

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
30.	a, r	\$6.00	Bennett, H., Chemical formulary
31.	Drugs, Oils & Paints, Phila., Pa.	\$1.50	Heckel, George B., The new paint, varnish and lacquer catechism
32.	r, a, p	\$4.00	Hiscox, Gardner D., Henley's 20th century book of recipes, formulas and processes
33.	r, a, p	\$5.50	Hopkins, Albert A., Scientific American cyclopedia of formulas
34.	Scott, Greenwood & Company, London	\$5.00	Hurst, G. H., Dictionary of chemicals and raw materials used in the manufacture of paints, colors, varnishes and allied materials
35.	r	\$12.50	Kingzett, C. T., Chemical encyclopedia
36.	a, pm	\$2.00	Maire, F., Modern painter's cyclopedia
37.	pm, p	\$2.00	1995 Paint questions answered
38.	-	-	Scott, W. G., Formulas, processes and comments on paints, oils and varnish. Paint, Oil & Chemical Review, 537 So. Dearborn St., Chicago, Ill., Supplement No. 1 - 103. September 5, 1923 to March 1, 1928

Nos. 30 to 38 inclusive are of interest to technical men and general users of paint and varnish; No. 31 is newly revised; No. 37 is very popular, and contains much practical information.

House Painting - Interior and Exterior

(Practical Books on Painting)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
39.	a, pm	\$2.00	Cranell, W. P., Practical estimating for painters and decorators
40.	pm	\$3.00	Ehrhardt, John, Estimating, painting and decorating
41.	a, *pm also	\$1.50	Kelly, A. Ashmun, *Expert calciminer
42.		\$1.50	*Expert estimator and business book for painters
43.		\$2.50	*Expert interior decorator
44.		\$1.50	Painting trade handbook
45.		\$3.50	*Expert house painter
46.		\$1.25	*Expert paint mixer
47.	a, pm	\$3.00	Pattou and Vaughn, Furniture, furniture finishing, decoration and patching
48.	a, pm	\$2.00	Vanderwalker, F. N., House painting methods with the brush and spray gun
49.		\$3.00	Interior wall decoration
50.		\$1.00	New stencils and their uses
51.		\$2.00	Painting and decorating working methods
52.	w, p	\$1.80	Sabin, A. H., House painting
53.	a	\$3.50	Young, Charles L., Practical painting and paper hanging
54.	a	\$3.00	Zahn, Bert, Silk screen methods of reproduction

Nos. 39 to 54 inclusive are of particular interest to the reader with no knowledge of chemistry, but who desires practical information on the art of house painting; Nos. 45, 48, 49 and 51 are particularly useful, but all the references give valuable information; No. 52 contains formulas for tinting white lead. See also references 31 and 37.

Lacquers

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
55.	r, a, p	\$7.50	Brown, Bruce K., and Crawford, Francis M., Survey of nitrocellulose lacquer
56.	r, a	\$4.00	Daniels, R. G., Manufacture of nitrocellu- lose lacquers
57.	r		Long, J. S., Raw materials of lacquer manufacture (in preparation)
58.	r, a, p	\$2.25	Smith, Stanley, Cellulose lacquers
59.	v, p	\$4.50	Sproxtton, F., Cellulose ester varnishes
60	v, r, a, p, pm	\$3.50	Wilson, Samuel P., Pyroxylin enamels and lacquers
61.	r	\$40.00	Worden, E. C., Technology of cellulose esters (Vol. 1 in 5 parts)
62.	r, a, v, p	\$7.00	Zimmer, Fritz, and Cameron, H. K., Nitro- cellulose ester lacquers
62a.	v	\$5.50	Martin, Ray C., Lacquer and synthetic enamel finishes

No. 61 contains an invaluable compilation of data, containing over 30,000 references to the literature; No. 55 likewise contains a bibliography of the literature and patents on nitrocellulose lacquer; Nos. 56, 57, 58, 59, 60, 62 and 62a are valuable to both the manufacturer and the user of lacquers, Nos. 59, 60 and 62a being especially useful. See also reference 98.

(For books on Metal Finishing see page 28).

Paints

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
63.	p	\$9.00	Bearn, J. G., Chemistry of paints, pigments and varnishes
64.	r	\$4.50	Edwards, Junius D., Aluminum paint and powder (1936 edition)
65.	r, a, v, p	\$6.50	Fox, J. J., and Bowles, T. H., Analysis of pigments, paints and varnishes

24. LC 671

Paints (continued)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
66.	a, r, p and *	\$11.00	Gardner, H. A., Physical and chemical examination of paints, varnishes, lacquers and colors *Institute of Paint & Varnish Research, 1500 Rhode Island Ave., N. W., Washington, D. C.
67.	a, r	\$3.00	Papers on paint and varnish and the materials used in their manufacture
68.	r, a, p	\$8.00	Heaton, No#1, Outlines of paint technology
69.	w	\$2.50	Holley, C. D., Analysis of paint and varnish products
70.	w, a, p	\$2.50	Analysis of paint vehicles, japans and varnishes
71.	w	\$3.00	Holley, C. D., and Ladd, E. F., Analysis of mixed paints, color pigments and varnishes
72.	v		Jennings, A. S., Painting by immersion and by compressed air
73.	r	\$5.00	Paint and color mixing
74.	r, v	\$5.00	Morrell, R. S., and Waele, A. de., Rubber, resins, paints and varnishes
75.	w, a, r, p	\$5.00	Sabin, A. H., The industrial and artistic technology of paint and varnish
76.	v	\$5.00	Smith, J. Cruickshank, The manufacture of paint
77.	v	\$5.00	Toch, M., Paint, paintings and restoration
78.	v, a, r	\$5.00	Chemistry and technology of paints
79.	pm, p	\$6.00	Uebele, C. L., Paint making and color grinding
79a.	w	\$6.00	Matiella, J. J., Protective and decorative coatings (1941). Volume I, Raw materials for varnishes and vehicles.

Nos. 65, 66, 69, 70, 71 and 74 are technical books on testing, written from the standpoint of the chemist; Nos. 65 and 66 being outstanding; Nos. 76 and 79 are essentially for the manufacturer; the rest are of interest to both technical men and general users of paint and varnish, Nos. 67, 68, 75 and 78 being particularly useful to the consumer; No. 64 gives authoritative information on aluminum paint; No. 72 (price not given) may be out of print. No. 79a (Volume I published in 1941, to be followed by Volumes II and III probably in 1942) is intended to be a complete treatment of various phases of the paint and varnish industry.

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	<u>Pigments</u>
80.	p	\$6.00	Curtis, C. A., Artificial organic pigments
81.	a, r, v, p	\$1.75	Faloon, D. B., Zinc oxide
82.	r	\$6.00	Harrison, A. W. C., Manufacture of lakes and precipitated pigments
83.	w	\$3.00	Holley, C. D., Lead and zinc pigments
84.	r, p	\$6.00	Jennison, F. H., The manufacture of lake pigments from artificial colors
85.	w, a, r, p	\$1.25	Sabin, A. H., White-lead, its use in paint
86.	w, r, p	\$2.00	Red lead and how to use it in paint
87.	v	\$2.50	Weber, F. W., Artists' pigments

Nos. 80, 82, and 84 are of particular interest to manufacturers; the rest are of interest to technical men and general users of paint and varnish; Nos. 85 and 86 are particularly useful to the consumer interested in the use of red lead and white lead in paint. See also references 13, 16, 19, 20, 34, 36, 37, 63, 64, 65, 66, 68, 71, 75, 76, 78 and 79.

Resins - Natural & Synthetic

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
88.	r, a, v	\$15.00	Barry, T. Hedley, Natural varnish resins
89.	r, a, p	\$19.50 per set	Ellis, Carleton, The chemistry of synthetic resins (Volumes I and II)
89a.	r	\$4.00	Krumbhaar, The chemistry of synthetic surface coatings

Resins - Natural & Synthetic (continued)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
89b.	o	\$11.00	Morrell, Synthetic resins and allied plastics
90.	r	\$3.50	Parry, Ernest J., Shellac, its production, manufacture, chemistry, analysis, commerce and uses
91.	r, a, p	\$7.00	Scheiber, J., & Sandig, K., Artificial resins

Nos. 88, 89, 89a, 89b, 90 and 91 seem to be the outstanding books on the subject; 88 particularly for natural resins and 89, 89a and 89b for synthetic resins; 90 (published in 1935) is valuable for its information on shellac, see also No. 62a.

See also references 66, 92, 93, 94, 97 and 98. The last named (98) contains valuable information on many of the materials used in cellulose lacquer manufacture.

Specifications

For those interested in consulting lists of Federal Government specifications on paint and related materials, one of the most complete references is Scientific Section Circular No. 627, "U. S. Government Paint Specifications", issued by the National Paint, Varnish and Lacquer Association, Washington, D. C. In addition, National Bureau of Standards Letter Circular 659 (Free), Publications of the Bureau on Paint, Varnish and Bituminous Materials, contains a list of Federal Specifications.

Varnishes

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
92.	r, a	\$4.00	Barry, T. H. & Dunster, G. W., Varnish making
93.	W. p.	\$3.75	Bottler, M., Sabin, A. H., German and American varnish making
94.	r, a, v, p	\$8.00	Coffignier, C., Varnishes, their chemistry and manufacture
95.	r, a, v, p	\$5.00	Colours and varnishes
96.	a, r	\$2.00	Joachim, Benjamin, Applied paint and varnish chemistry

Varnishes (continued)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
97.	v		McIntosh, J. G., Manufacture of varnishes and kindred industries. Based on and including the "Drying Oils and Varnishes" by Ach. Livache
		\$7.00	Vol. I - Linseed oil & other varnish oils Vol. II - Varnish materials & oil varnish Vol. III - Spirit varnishes & materials
98.	o, a, p	\$8.50	Morrell, R. S., Varnishes and their components
98a.	c	\$6.00	A Symposium, Varnish making (1940).

Nos. 92 to 98 inclusive are all valuable to the reader interested in varnish, the last named (98) being of most probable value in this group, except that synthetic resins are not covered (refer to reference 89 for this information). See also references 65, 66, 70, 71, 74, 75 and 79a.

Volatile Solvents and Thinners (including Naval Stores)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
99.	r, a, v, p	\$5.00	Durrans, Thos. H., Solvents for nitro-cellulose
100.	*	\$3.25	Gamble, T., Naval Stores - History, production, distribution & consumption *Review Publishing & Printing Co., Savannah, Georgia.
101.	r	\$3.00	Hawley, L. F., Wood distillation
102.	r, a, v, p	\$6.00	Heaton, Noel, Volatile solvents & thinners
103.	r	\$7.25	Lawrie, Jas. W., Glycerol and the glycols
104.	r	\$6.00	McIntosh, J. G., Industrial alcohol
105.	a, r	\$.50	Pickard, Glenn H., Volatile thinners
106.	r	\$4.00	Robinson, C. S., The recovery of volatile solvents
107.	r		Sabatier, P., Catalysis in organic chemistry
108.	o	\$5.00	Weissberger & Proskauer, Organic solvents
109.	r	\$10.00	Young, Sydney, Distillation principles and processes

Volatile Solvents and Thinners (continued)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
109a.	c	\$10.00	Jordan, Otto, Technology of solvents (1938)
109b.	c	\$4.00	Browning, Toxicity of industrial organic solvents (1938)
109c.	r	\$11.00	Mellan, Ibert, Industrial solvents

Nos. 99, 102, 105, 108 and 109c are valuable to the reader interested in obtaining information on solvents and thinners; 101 is an excellent book on the preparation of wood distillation products (acetone, wood alcohol, etc.); 104 gives excellent information on the preparation and properties of ethyl alcohol, fusel oil, and amyl and ethyl acetates; 107 contains valuable information and references; 105 can be read without a knowledge of chemistry; 106 contains many valuable data; 109 gives an excellent account of the manufacture of butyl alcohol.

Wood Finishing (Graining, Staining, Marbling,Polishing, Varnishing, Shellacking, Etc.

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
110.	a, pm	\$1.50	Hodgson, Fred. T., New hardwood finishing
111.	a	\$1.50	Jeffrey, Harry R., Wood finishing
112.	a, pm	\$3.00	Kelly, A. A., Expert wood finisher
113.	a	\$2.00	Standard grainer, stainer and marbler
114.	*	\$1.50	Lowndes, W. S., Painting and wood finishing. *David McKay Co., 604 S. Washington Square, Philadelphia, Pa.
115.	r, a and *	\$3.50	Newell, A. C., Coloring, finishing and painting wood *The Manual Arts Press, Peoria, Ill.
116.	r	\$3.00	Parkhouse, A. W., Practical polishing and staining
117.	a, r, and *	\$5.00	Schmidt, W. K., Problems of the finishing room (for wood) *The Periodical Publishing Co., Grand Rapids, Mich.
118.	a, pm.	\$2.00	Vanderwalker, F. N., Wood finishing, plain and decorative

Wood Finishing (continued)

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
119.	pm	\$20.00	Van der Burg, Graining and marbling
120.	a	\$5.00	Wall, William E., Graining, ancient and modern

Nos. 110 to 120 inclusive are of interest to the reader, with or without a knowledge of chemistry, who desires expert advice on the art of wood finishing; 112 is one of the best known books on the subject; 113, 119 and 120 give information on the subject of graining; 119 contains a large number of color plates, and a large amount of information concerning the art of imitating various woods and marbles; 118 like 112 is a very practical book including every phase of wood finishing. See also references 37, 43 and 51.

Metal Finishing

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
121.	r and *	\$3.50	Miskella, W. J., Practical japanning and enameling
122.	r and *	\$3.50	Practical railway painting and lacquering *Finishing Research Laboratories, Inc., Chicago, Ill.
123.	*	\$15.00	Evans, U. R., Metallic corrosion, passivity and protection (1937) *Edward Arnold, London, England and Longmans, Green & Co., Fifth Ave., New York City.
124.	v	\$5.00	Hedges, E. S., Protective films on metal
125.	*	\$3.50	Simons, H. R., Finishing metal products *Practical Publications, Inc., 222 E. Ohio St., Indianapolis, Ind.
126.	r	\$6.50	Burns & Schuh, Protective coatings for metals

No. 121 gives valuable and practical information on baked japans and enamels, design of baking ovens, spray method of application, methods of cleaning and preparing the surface, etc.; 122 gives very practical information on railway painting and lacquering, Nos. 123, 124 and 126 cover the broad subject of technical information on corrosion. No. 125 describes modern shop technique.

See also references 1, 37, 64, 66, 75, 78 and 86.

Miscellaneous

<u>No.</u>	<u>Sold by</u>	<u>Price</u>	
127,	a, pm	\$4.00	Atkinson, F. H., Art of sign painting
128,	a, pm	\$4.00	Scene painting and bulletin art
129,	pm	\$4.00	A show at show cards
130,	a	\$1.50	Delamotte, F., The amateur artist
131.	pm	\$1.50	The signists modern book of alphabets
132.	a	\$7.50	Desaint, A., Ideas and studies in stenciling and decorating
133.	a, r	\$3.50	Heckel, G. B., The paint industry - reminiscences and comments
134.	a	\$.35	Joachim, Benjamin, The causes, diagnosis and possible elimination of failures of interior architectural paints
135,	a, r	\$.50	Paint and varnish formulation
136,	a	\$6.00	Stokes, Adrian, Landscape painting
137,	a, pm	\$4.00	Strong, Chas. J., Art of show card writing
138,	a	\$1.00	Gilding on glass, wood and metal
139,	v	\$1.25	Toch, M., How to paint permanent pictures
140.	*	-	Winsor, William, Instructions for the practice of fresco painting (1843) *Winsor & Newton, London, England
141.	Green book for Buyers and Sellers (names of manufacturers handling various commodities including paint, varnish, lacquer, etc.). Oil, Paint and Drug Reporter, 59 John Street, New York City.		

Nos. 127, 128, 129, 131 and 137 give practical information on special phases of painting, such as sign painting and show card painting; 132 gives valuable information on stenciling; 133 is an historical book of the American paint industry, written by an authority on the subject; 134 and 135 are of interest to the paint chemist, 140 is one of the best books on fresco painting, although it is an old book and may be difficult to obtain.

TRADE ASSOCIATIONS

The following addresses of trade associations may be helpful to those interested in paint and allied subjects:

- American Bleached Shellac Manufacturers Assn., 70 Pine St.,
New York City.
- American Gum Importers Assn., Research Lab., 360 Furman St.,
Brooklyn, N. Y.
- American Gum Naval Stores Assn., 715 Liberty National Bank Bldg.,
Savannah, Ga.
- American Turpentine Farmers Assn., Cooperative, Valdosta, Georgia.
- Automobile Paint and Body Assn., 103 N. 22nd St., Philadelphia, Pa.
- Carbon Black Export Assn., 550 Fifth Ave., New York City.
- Dry Color Manufacturers Assn., 11 Broadway, New York City.
- Gum Importers Assn., 17 Battery Place, New York City.
- Lead Industries Assn., 420 Lexington Avenue, New York City.
- Maple Flooring Manufacturers' Assn., 332 S. Michigan Avenue,
Chicago, Ill.
- Metropolitan Paint & Wall Paper Dealers, 66 Court St., New York
City.
- National Oak Flooring Manufacturers' Assn., Memphis, Tenn.
- National Paint, Varnish & Lacquer Assn., 1500 Rhode Island Ave.,
N. W., Washington, D. C.
- National Spray Paint and Finishing Assn., 300 Phillips Ave.,
Toledo, Ohio.
- Paint and Crayon Industry, 386 Fourth Ave., New York City.
- Southern Paint Manufacturers' Assn., C/o Southern Paint Products
Co., Atlanta, Ga.
- United States Gold Leaf Manufacturers Assn., C/o H. J. Weickmann,
12 William St., Hicksville, Long Island, N. Y.
- United States Shellac Importers Assn., 516 W. 59th St., New
York City.

