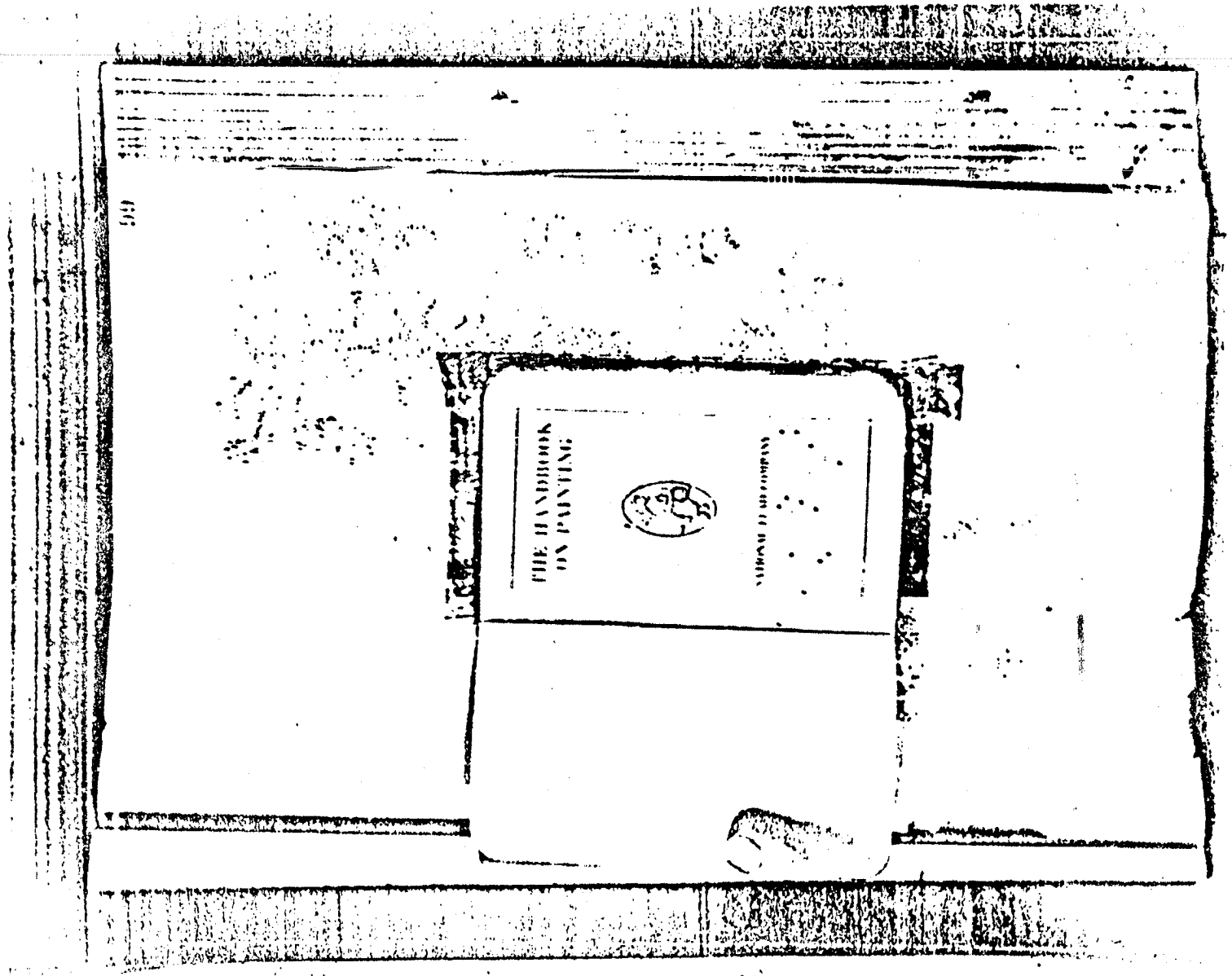
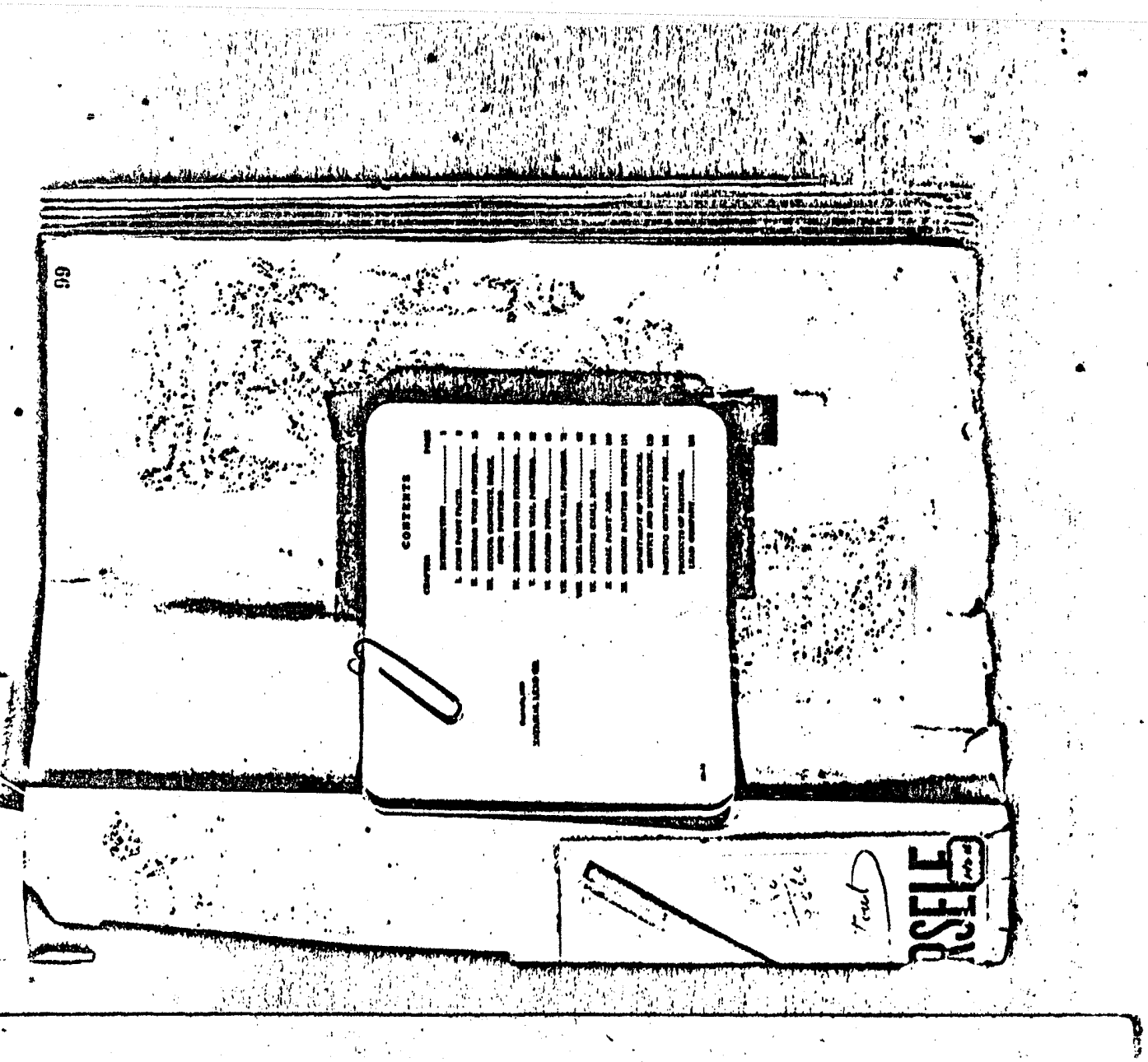
The HANDBOOK on PAINTING





Introduction

PAINTING is an art and there are many things about the art of painting which require study, observation and constant practice. It always pays, therefore, to have an experienced painter of some to consult. The superior knowledge of the man who "knows how" is worth whatever extra money it may cost to employ him. The fact, however, allow yourself to be deprived of the advantages of modern ready paint simply because a painter who knows how to mix white-lead into paint is not within easy reach, as is the case sometimes in the smaller towns.

The Handbook on Painting gives all necessary mixing and painting directions. In fact, it is a veritable storehouse of practical paint knowledge, equally valuable as a guide to the uninitiated and as a reference work for the architect, engineer, building manager, painter and other experienced users of paint.

Attention is called particularly to the directions for doing small jobs given on page 110. By the method suggested, whitelead is mixed into paint without using formulas and you are assured of the same durable background paint for the small jobs that is used for the big ones.

CHAPTER I

SOME PAINT FACTS

Before taking up the actual mixing and the use of paint, it may be well to know a little about the nature and identity of paint. Whether you are simply going to do an interior job, the kind of paint used is an important subject and is worth knowing.

One thing is certain: when you use a paint it should pay to use the best. After all, what you are striving for in a paint job is paint life. If the paint does not stand up properly you are being cheated. That is why it is never good business to put on a "cheap paint." Not only does it fail to preserve its appearance for a satisfactory period, but it involves extensive surface preparation before repainting is done.

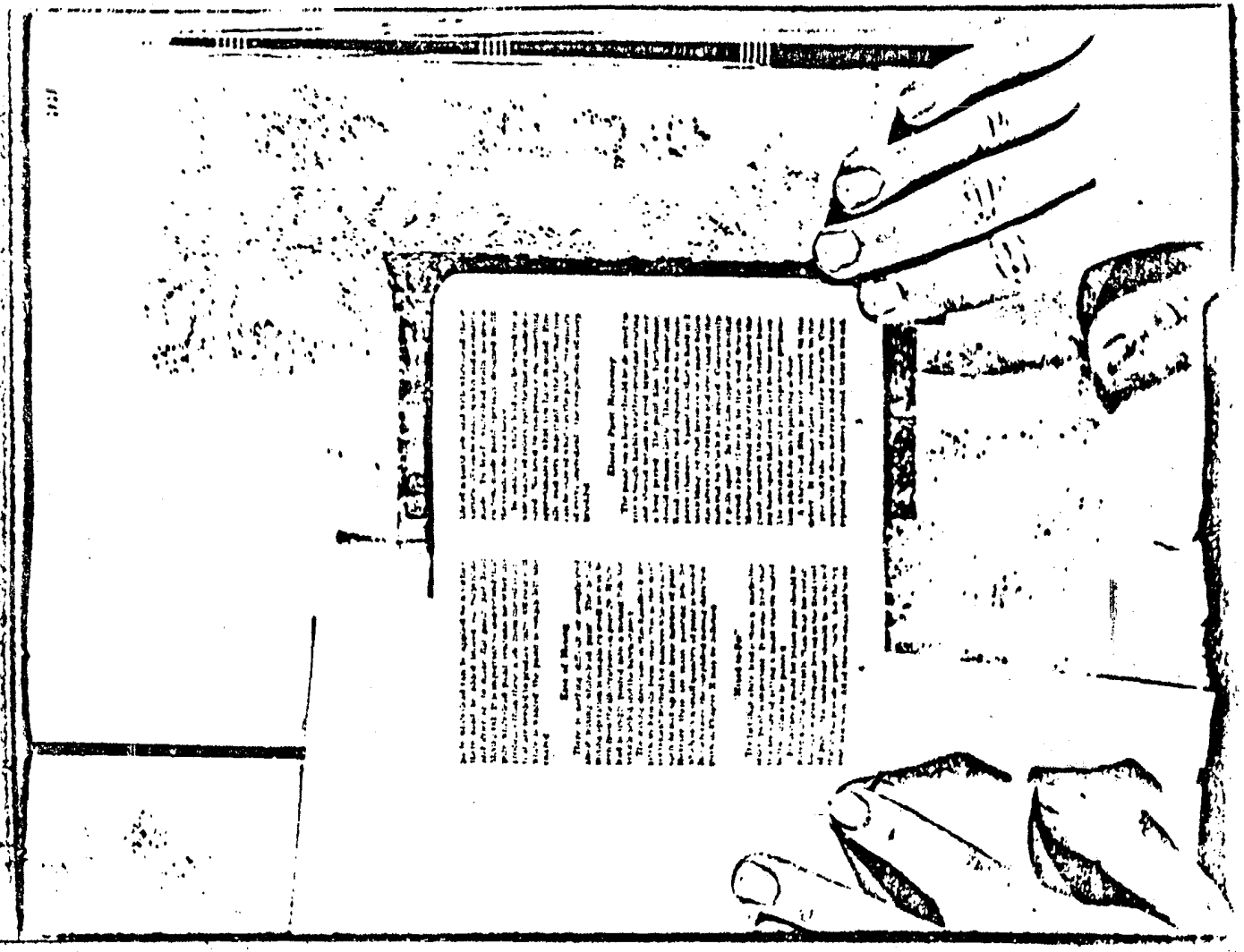
What Is the Best Paint?

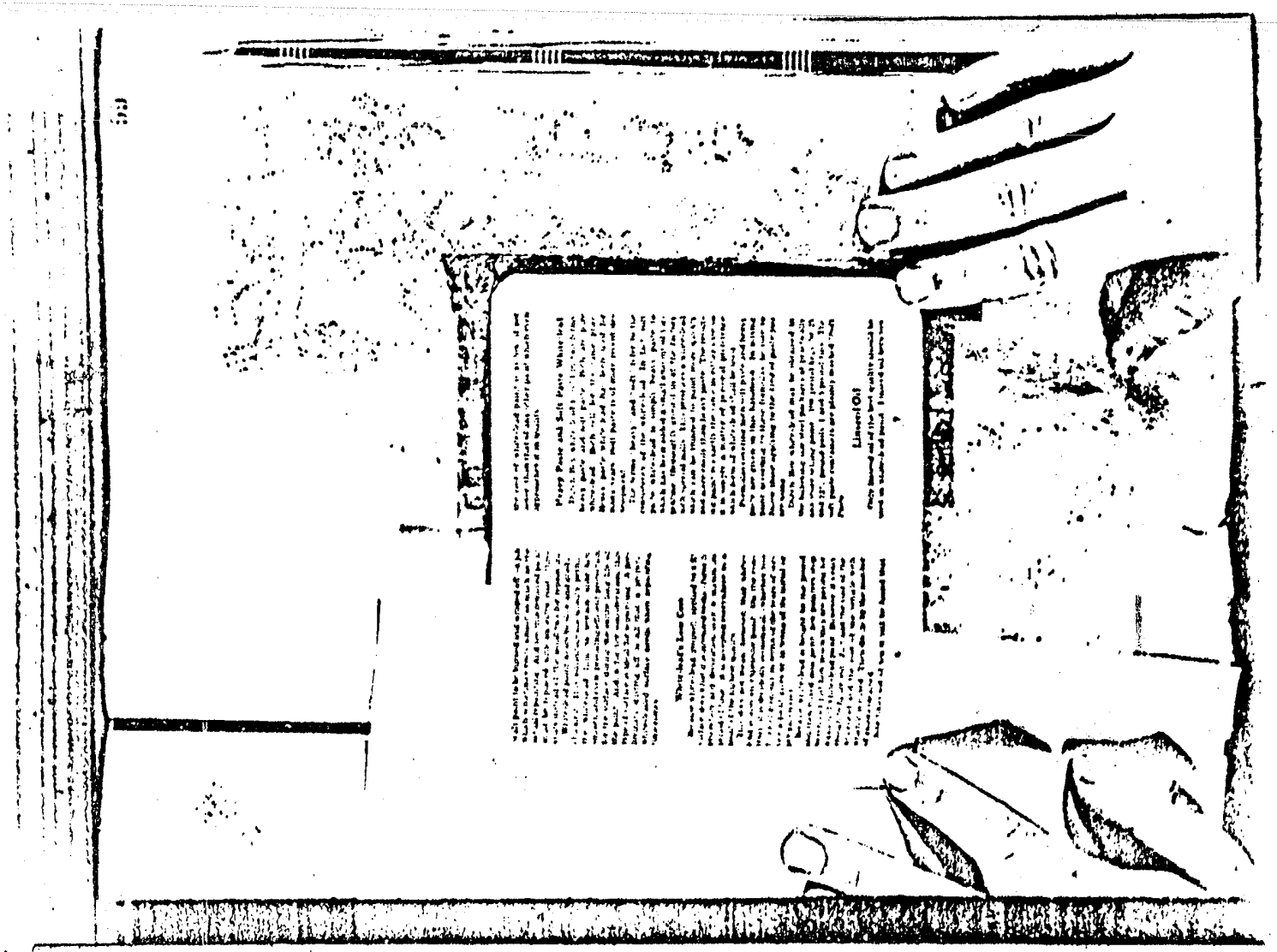
The experience of the skilled painter has shown, here and there, that this question has but one answer: white lead. Experience has proved to him beyond the question of doubt that for durability and beauty in the appearance there is no paint equal to pure white lead.

The reputable painter is asked all the time what is meant by paint. He, therefore, has formulated his definition. He explains to a customer that all depends on knowing what paint will back up his every claim. There is not much he should know, the type of painter, the quality desired, prevailing and non-skilled?

White-lead Paint

White-lead as we generally know it is a basic paint base, concentrated paint. Before that



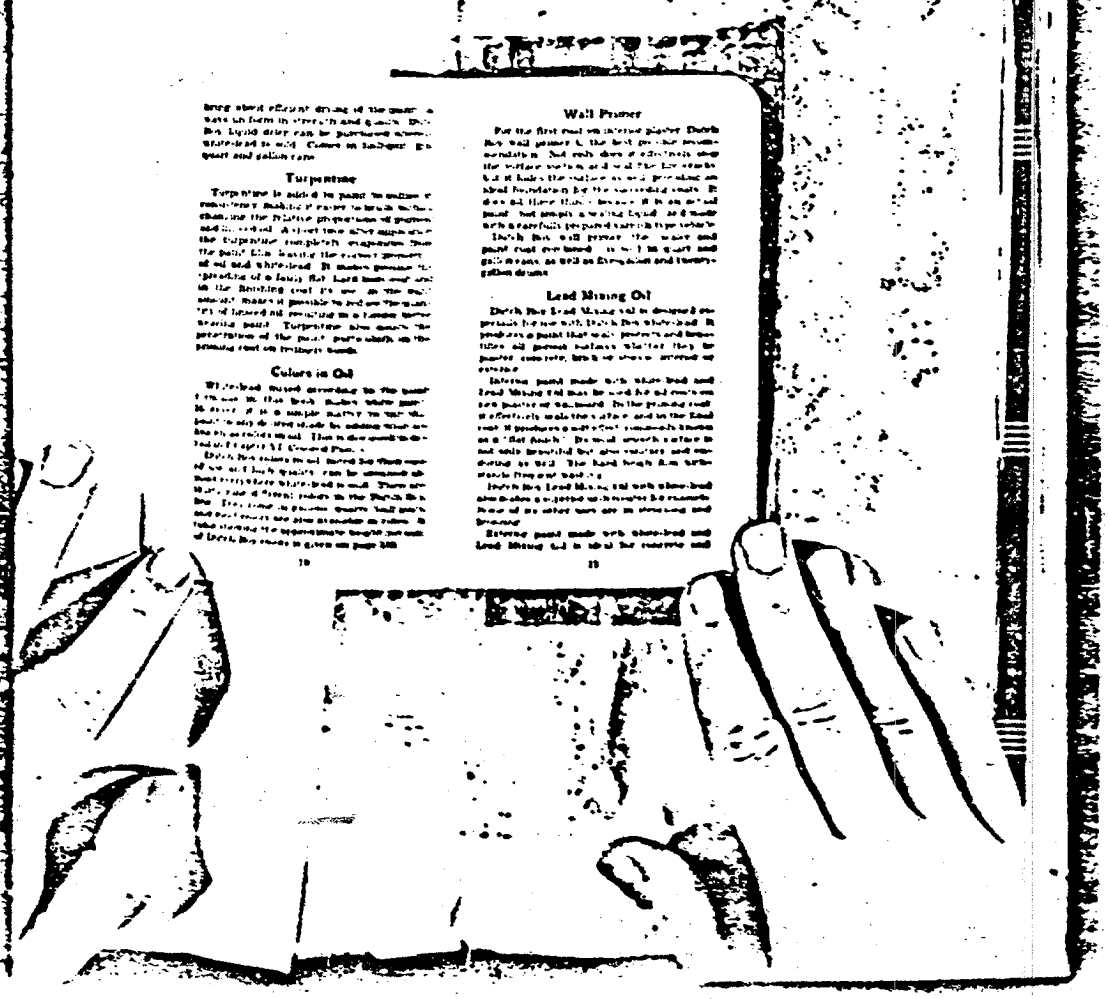


Raw Linseed Oil

Boiled Linseed Oil

Stoved Type Linseed Oil

Uses

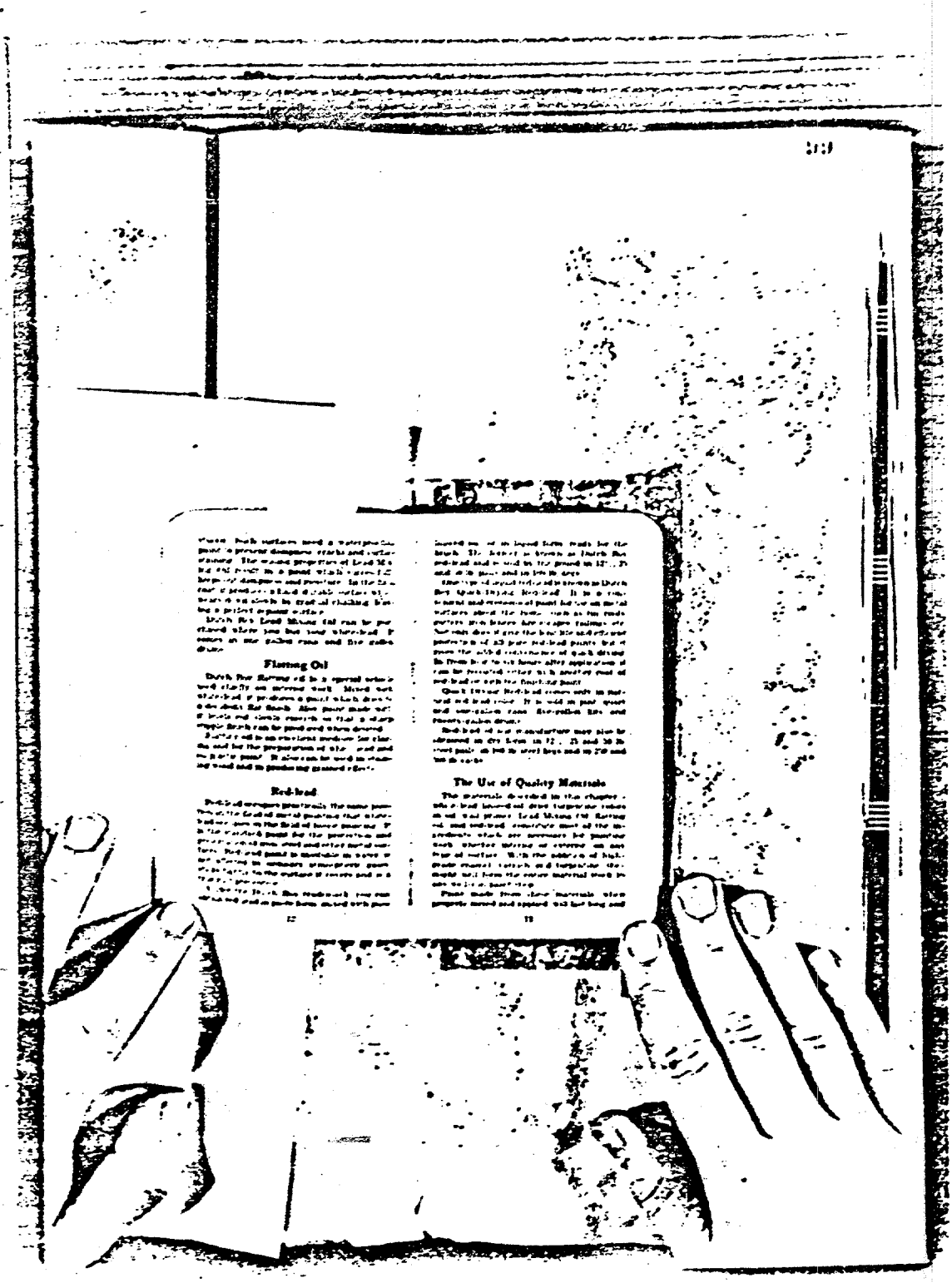


Turpentine

Colors in Oil

Wall Primer

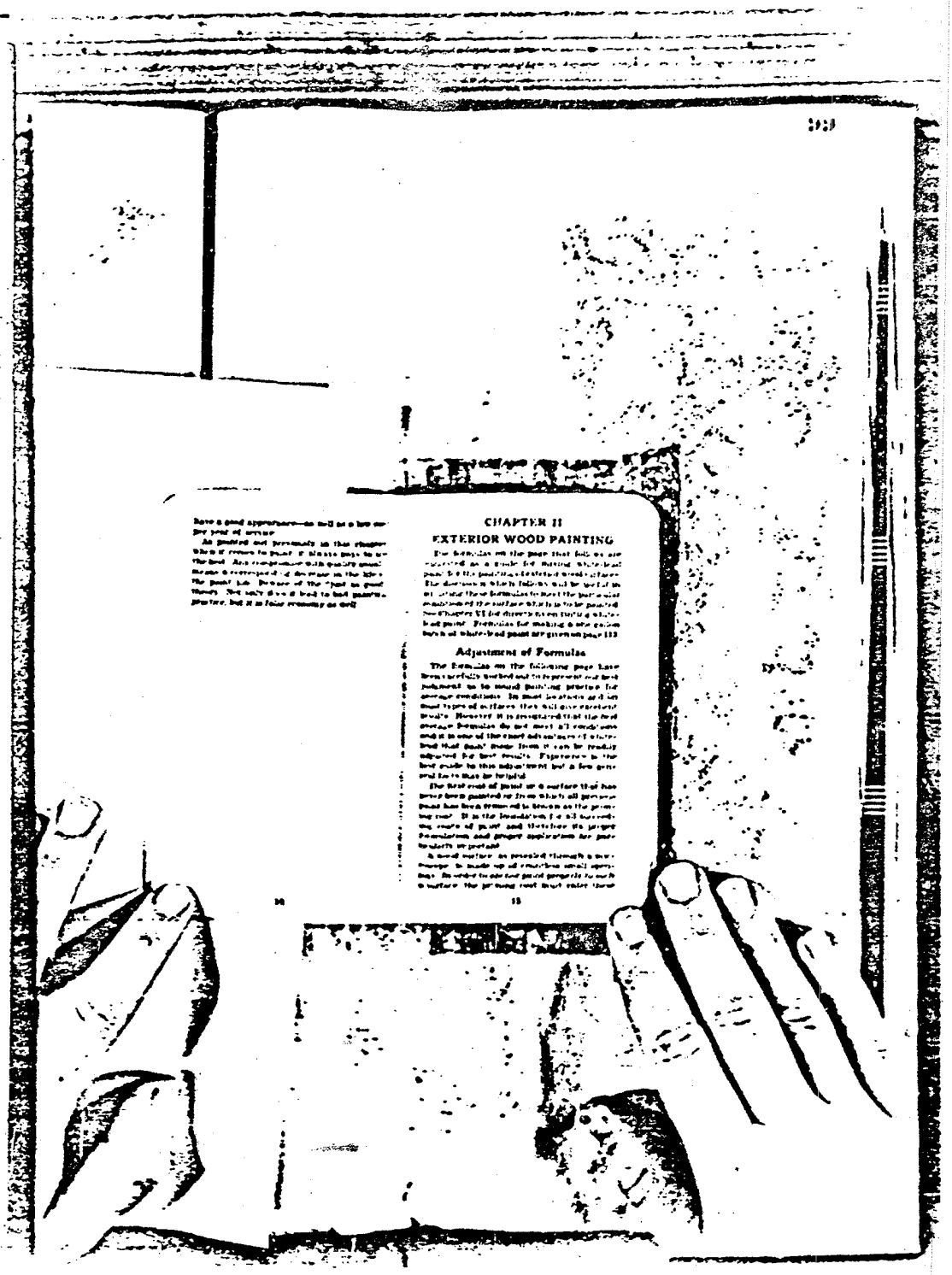
Lead Mixing Oil



Floating Oil

Red-lead

The Use of Quality Materials



CHAPTER II

EXTERIOR WOOD PAINTING

Adjustment of Formulas

PAINTING NEW OUTSIDE WOOD

Formula No. 18—Primer-Sealer

Materials	Amount	Cost
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Total		

Formula No. 28—Second Coat

Materials	Amount	Cost
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Total		

Formula No. 38—Finish Coat

Materials	Amount	Cost
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Total		

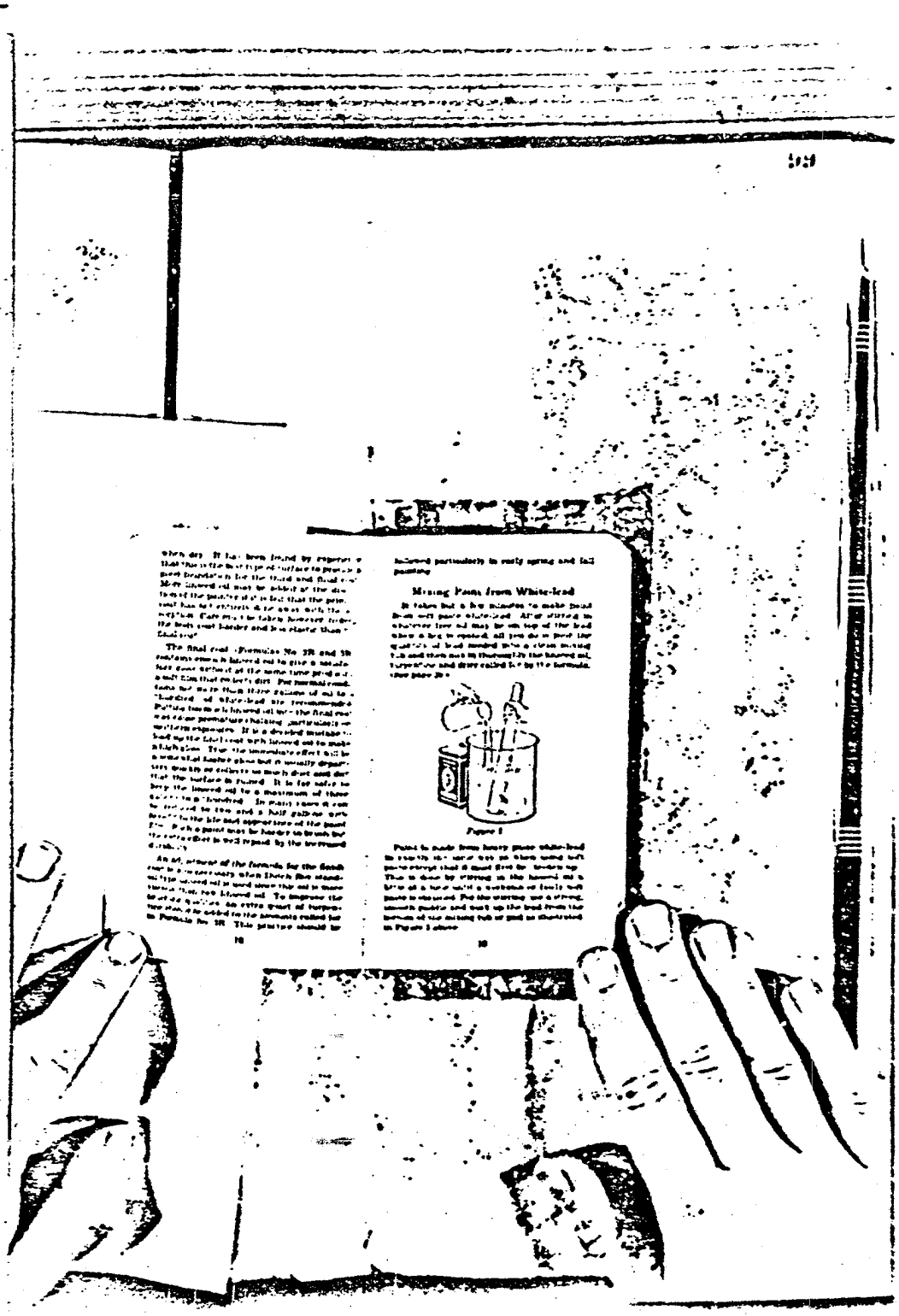
REPAINTING OUTSIDE WOOD

Formula No. 48—First Coat

Materials	Amount	Cost
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Total		

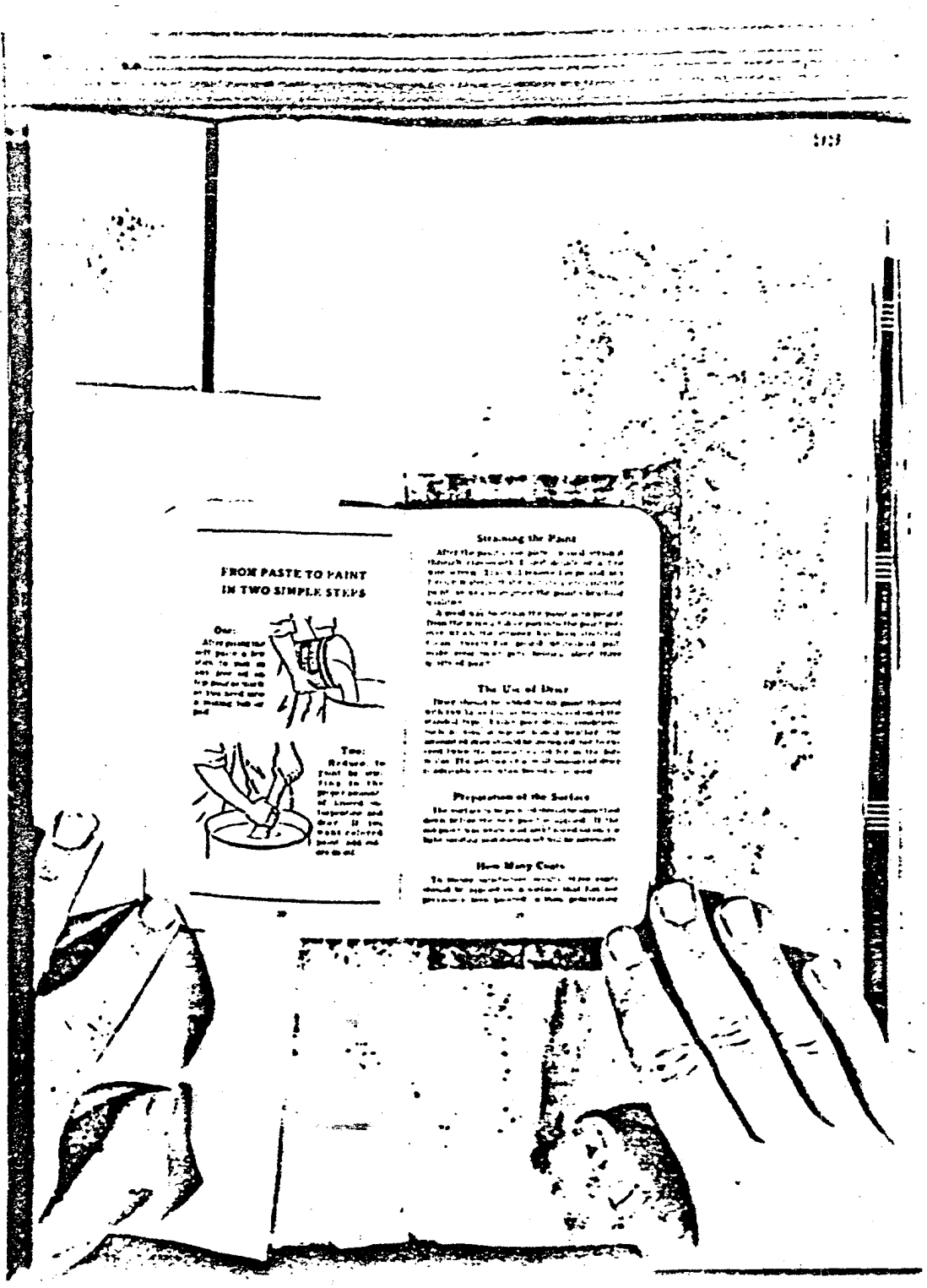
Formula No. 28—Finish Coat

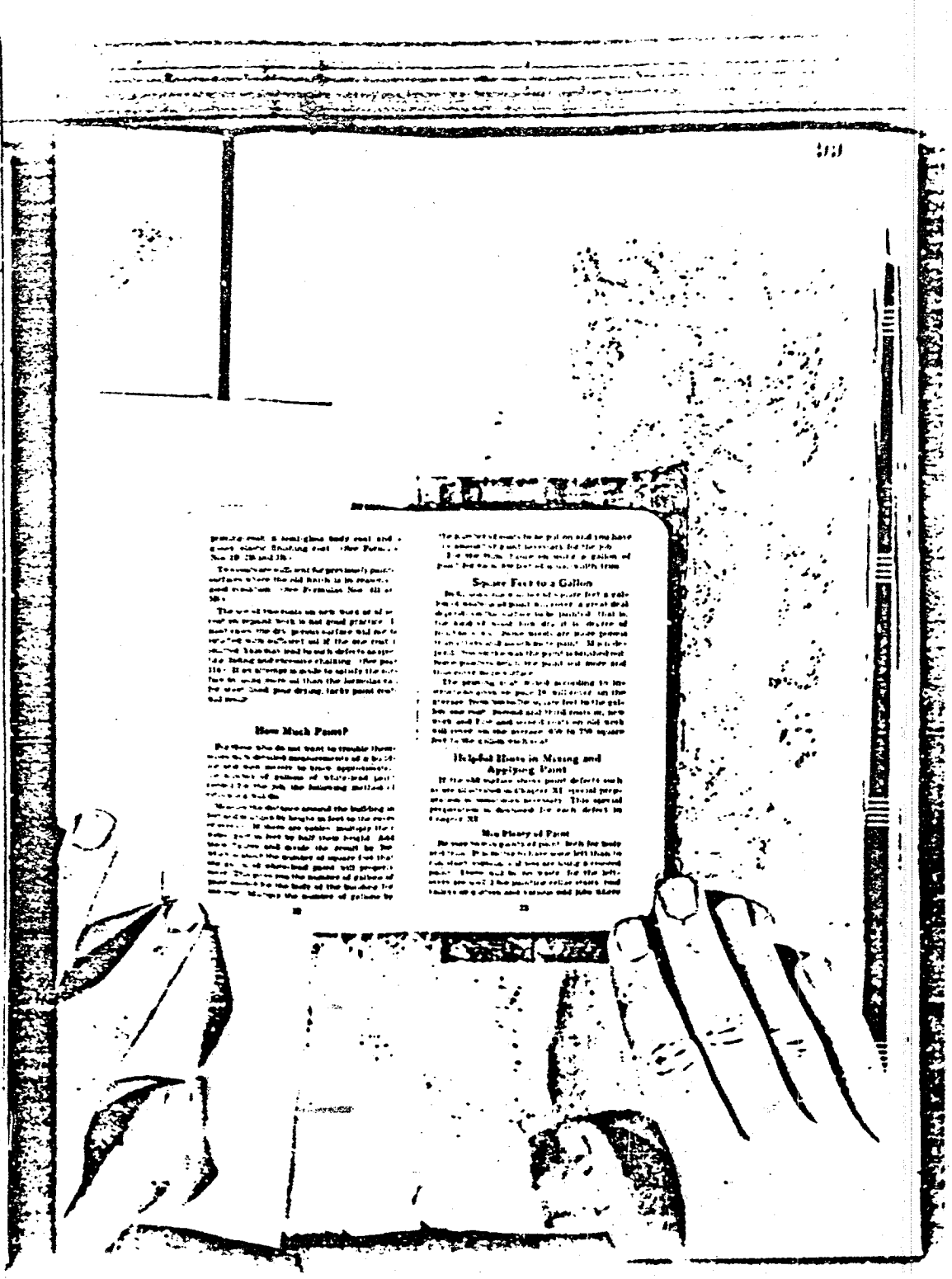
Materials	Amount	Cost
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Total		



Mixing Paste from White-lead

Figure 1



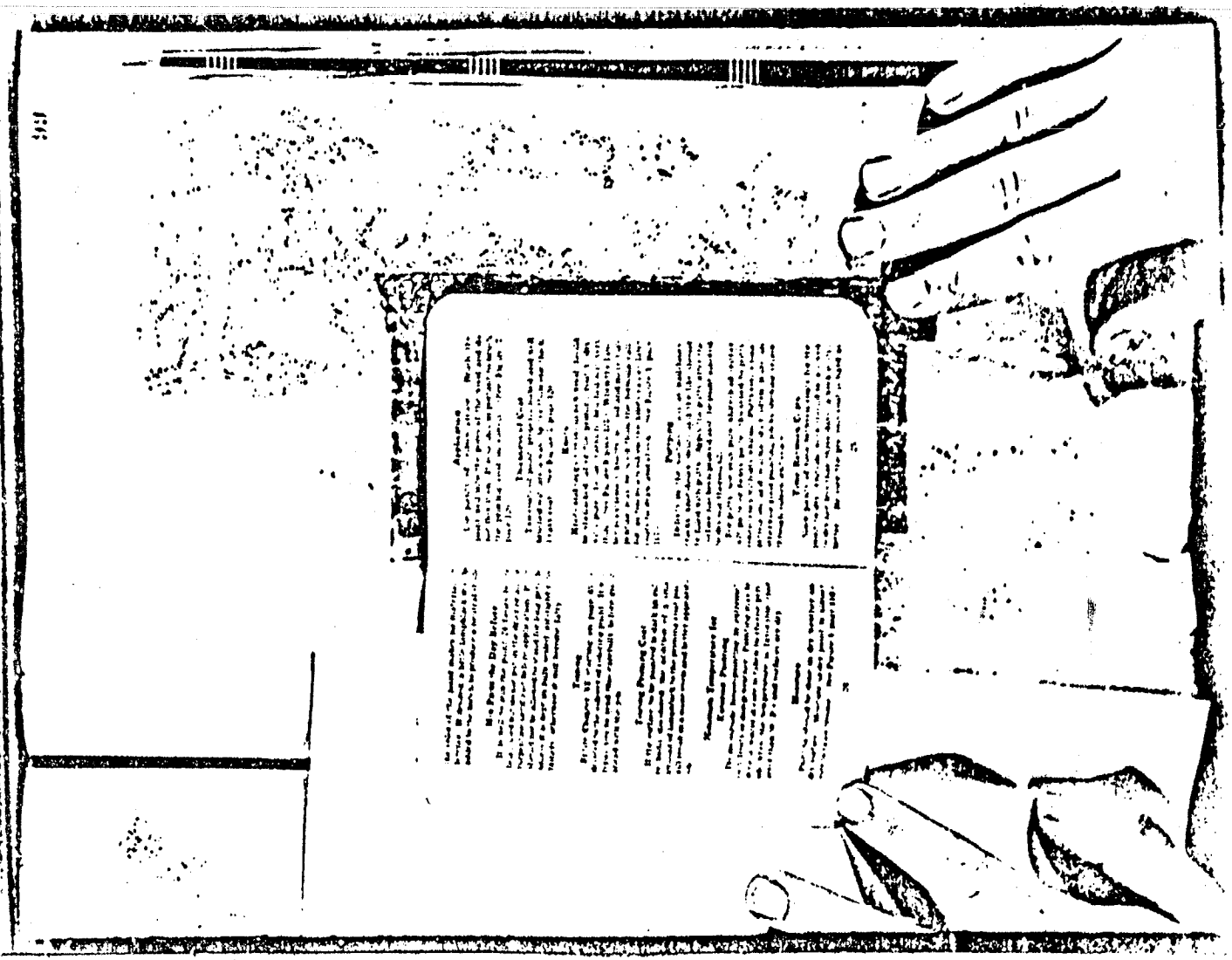


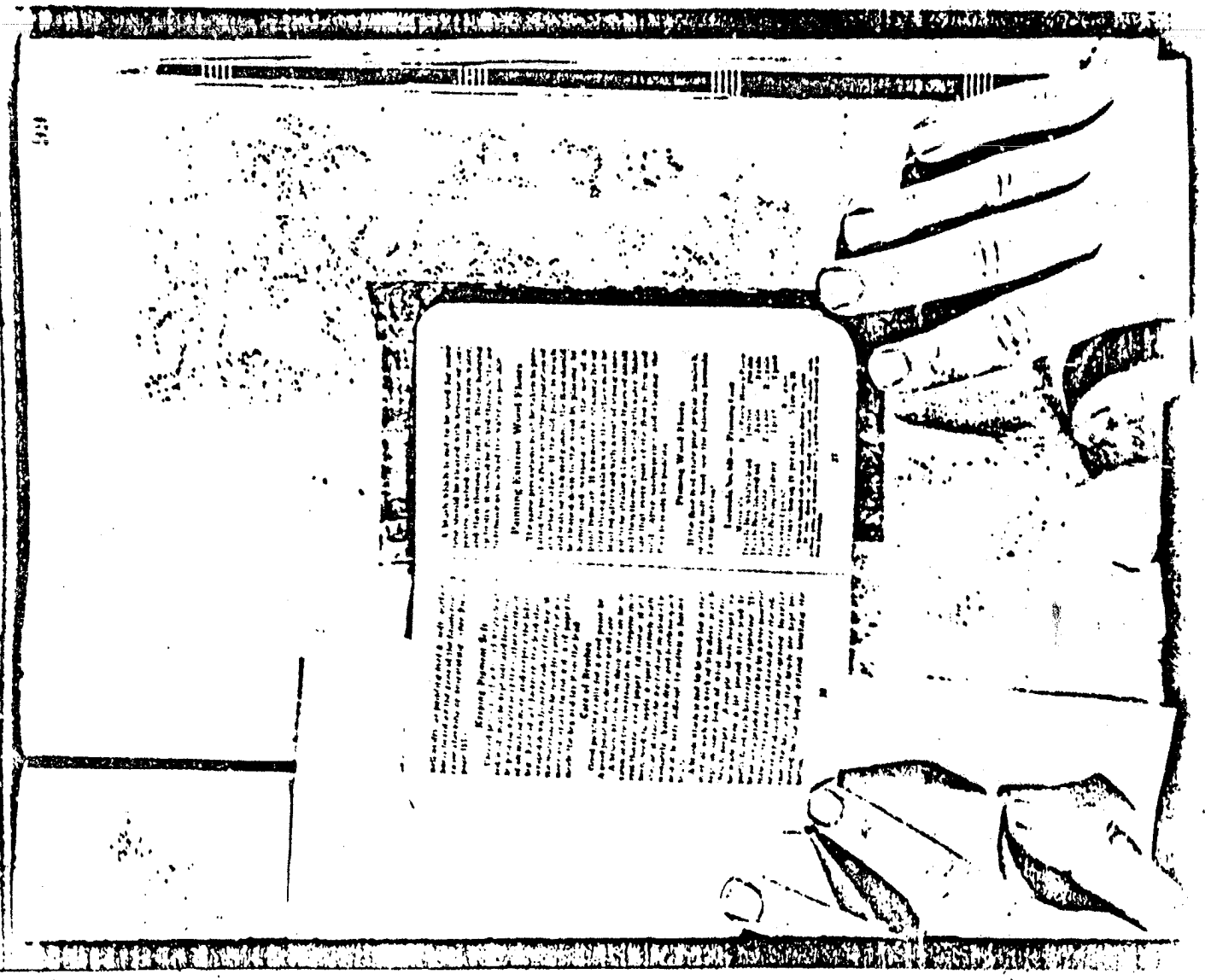
How Much Paint?

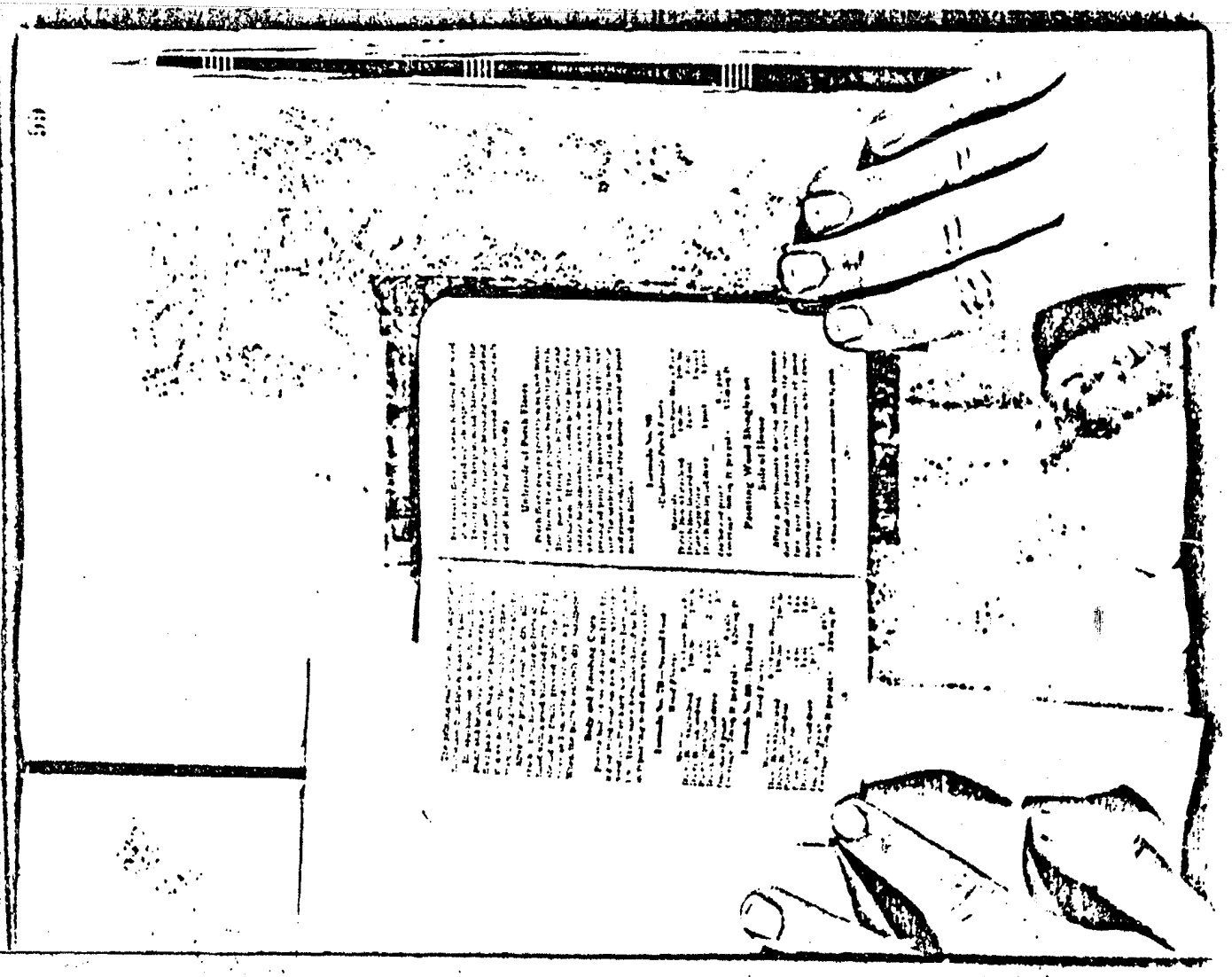
Square Feet to a Gallon

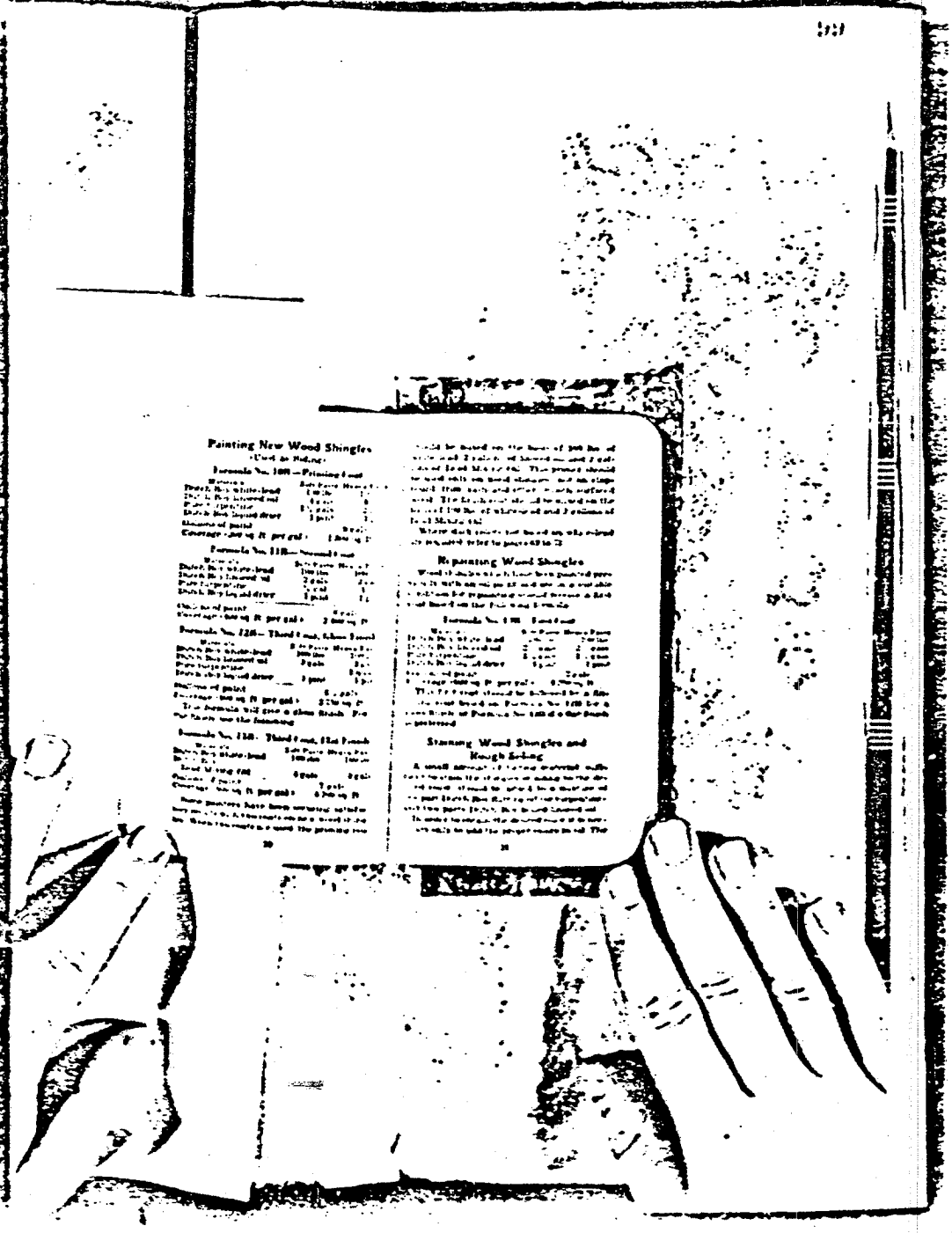
Helpful Hints in Mixing and Applying Paint

How Plenty of Paint





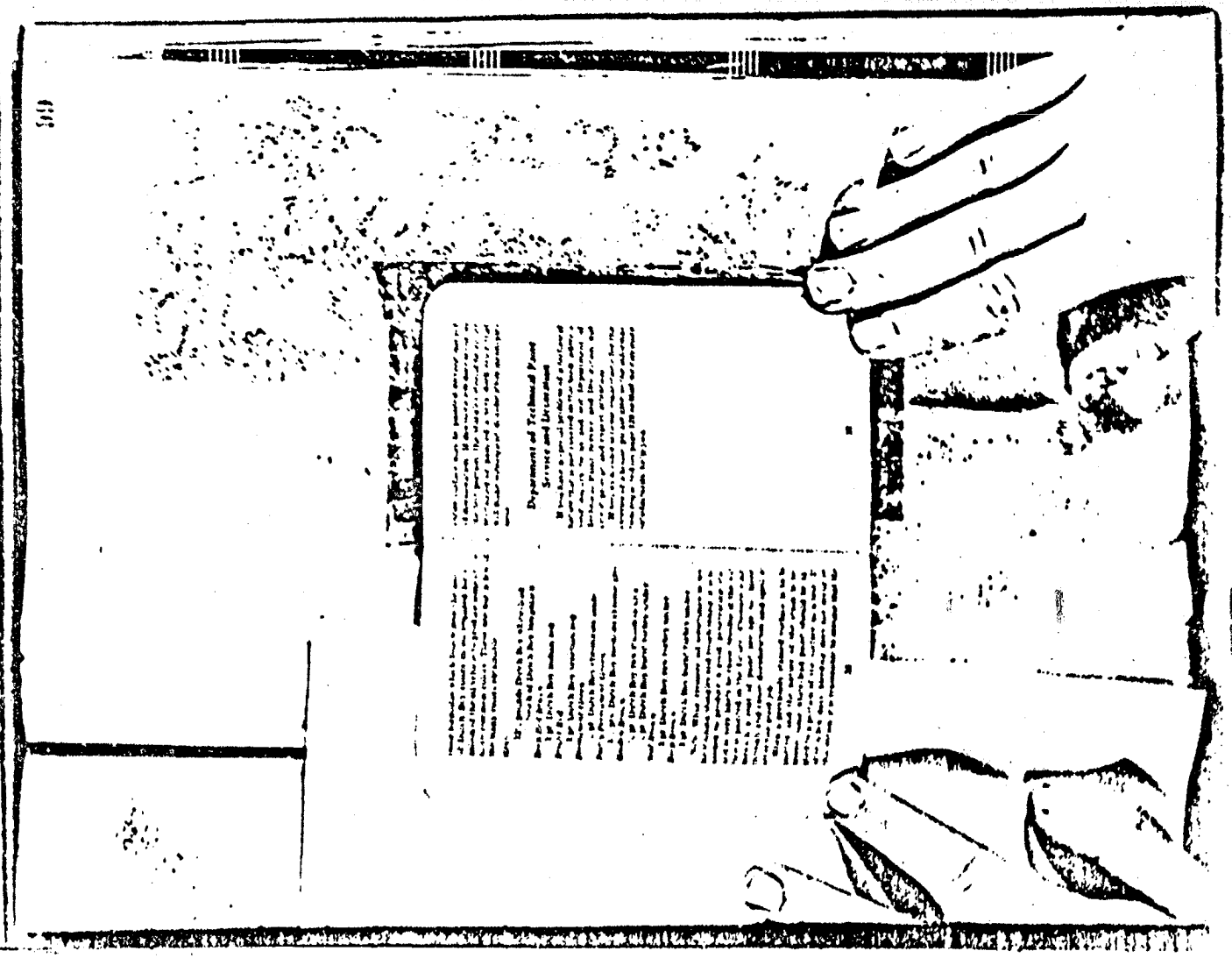




Painting New Wood Shingles

Repainting Wood Shingles

Staining Wood Shingles and Rough Siding



CHAPTER III

STUCCO, CONCRETE, BRICK AND STONE PAINTING

Preparing the Surface

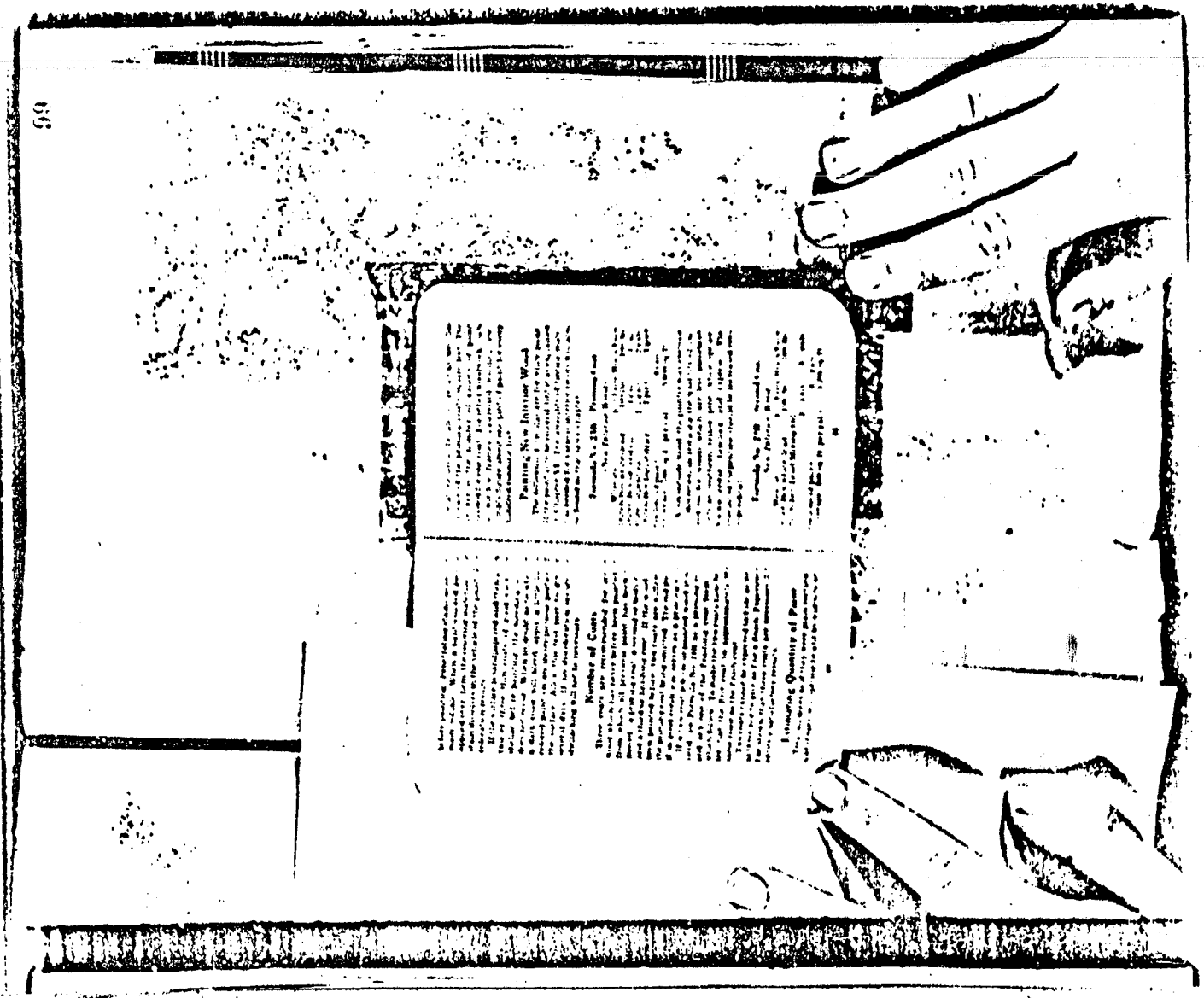
Estimating Quantity of Paint

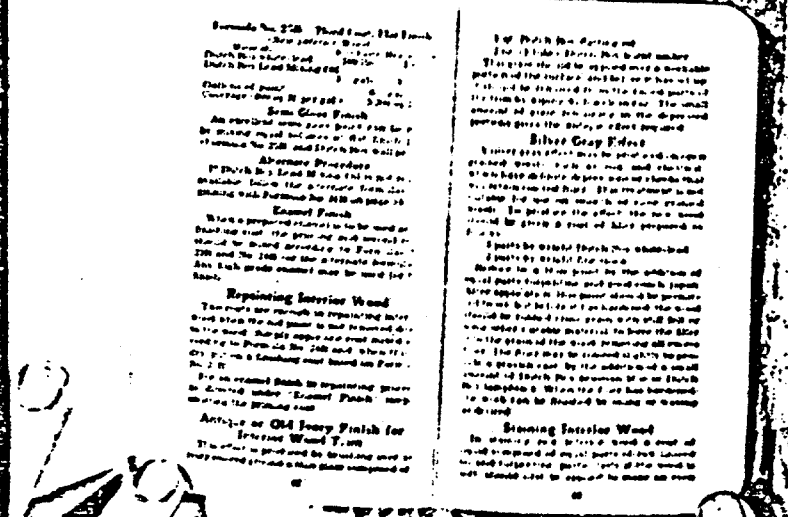
THE DUTCH BOY SYSTEM FOR PAINTING STUCCO, CONCRETE BRICK AND STONE—FLAT FINISH

CHAPTER IV
INTERIOR WOOD FINISHING

Preparing the Surface

Department of Technical Paint Service and Decoration





Formula No. 228 Thick Coat, Flat Finish

Semi-Gloss Finish

Alternate Procedure

Enamel Finish

Repainting Interior Wood

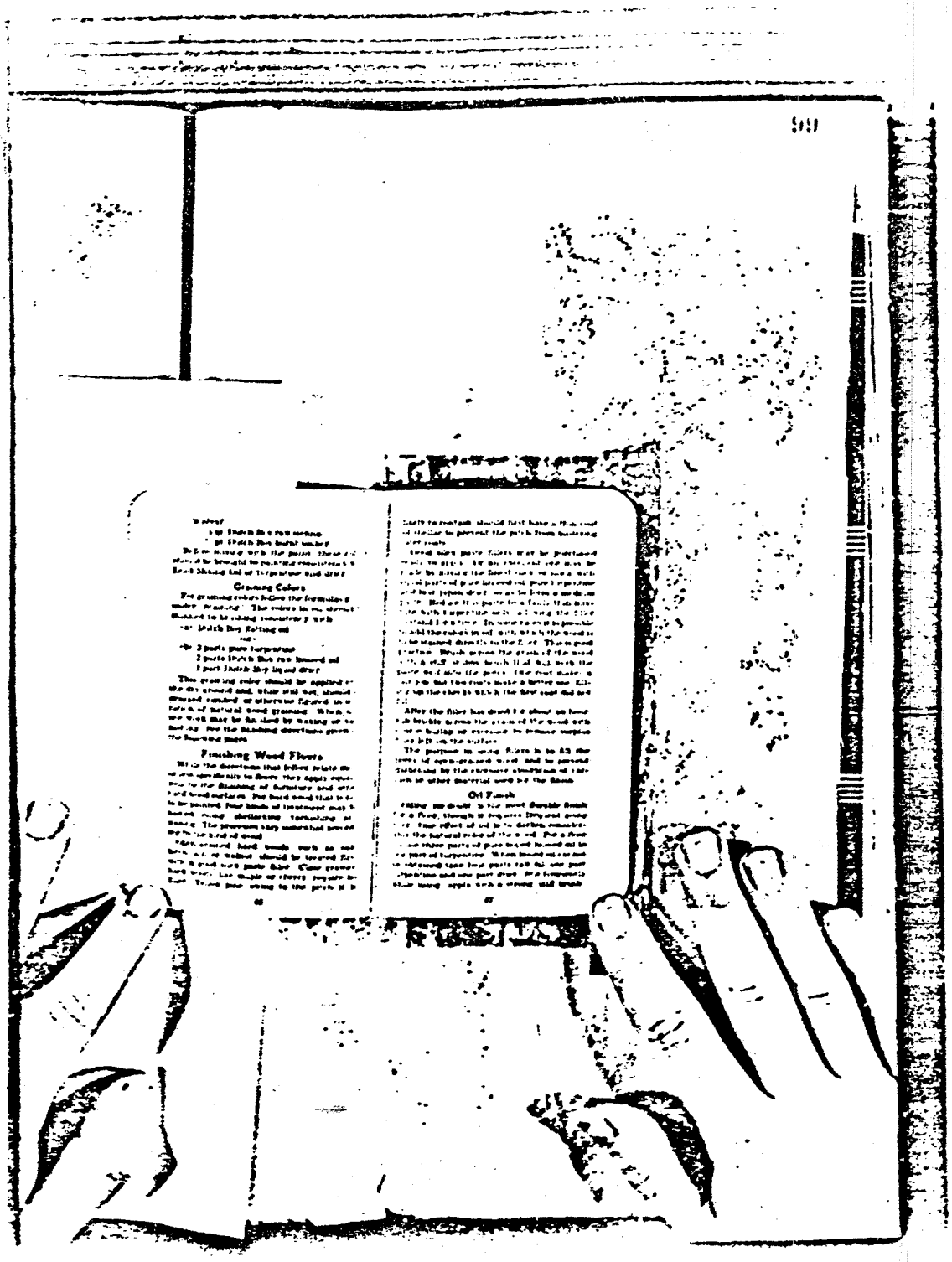
Antique or Old Ivory Finish for Interior Wood Trim

Silver Gray Effect

Staining Interior Wood

Gaming

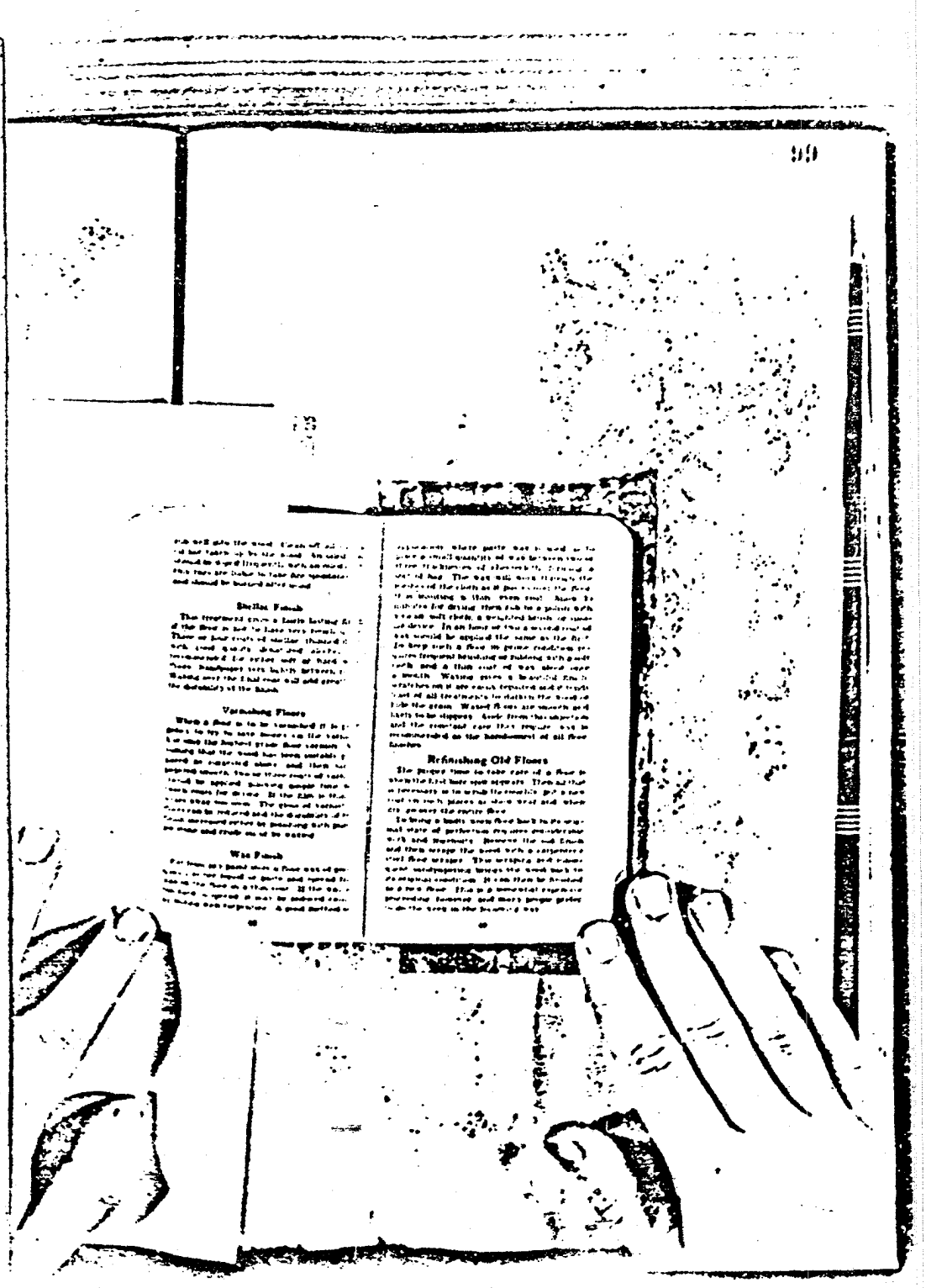
Grand Cities



Graining Colors

Finishing Wood Floors

Oil Finish



Shellac Finish

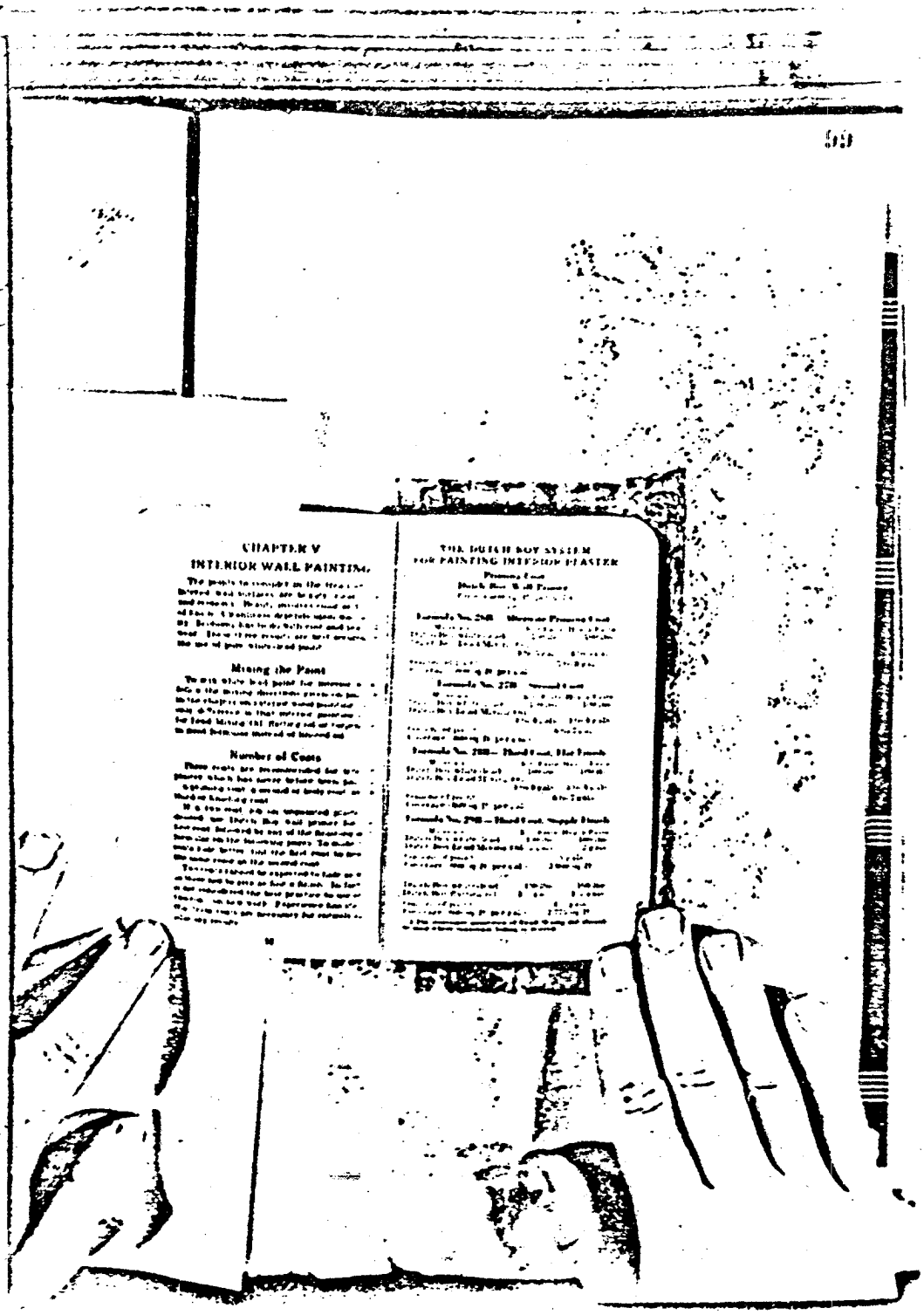
Varnishing Floors

Wax Finish

Refinishing Old Floors

Department of Technical Paper
Science and Decoration

Poisoning Garden Weed Plants



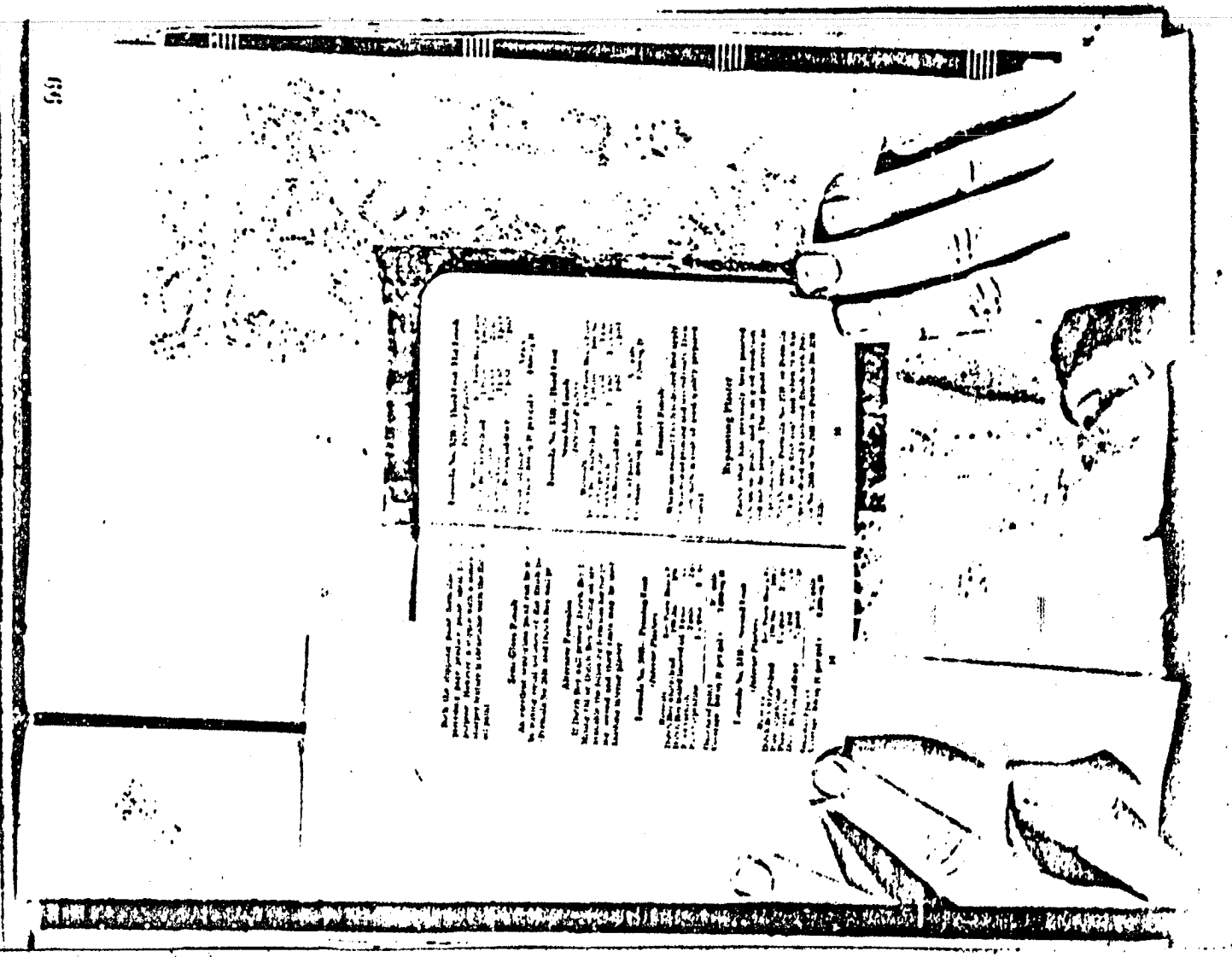
CHAPTER V

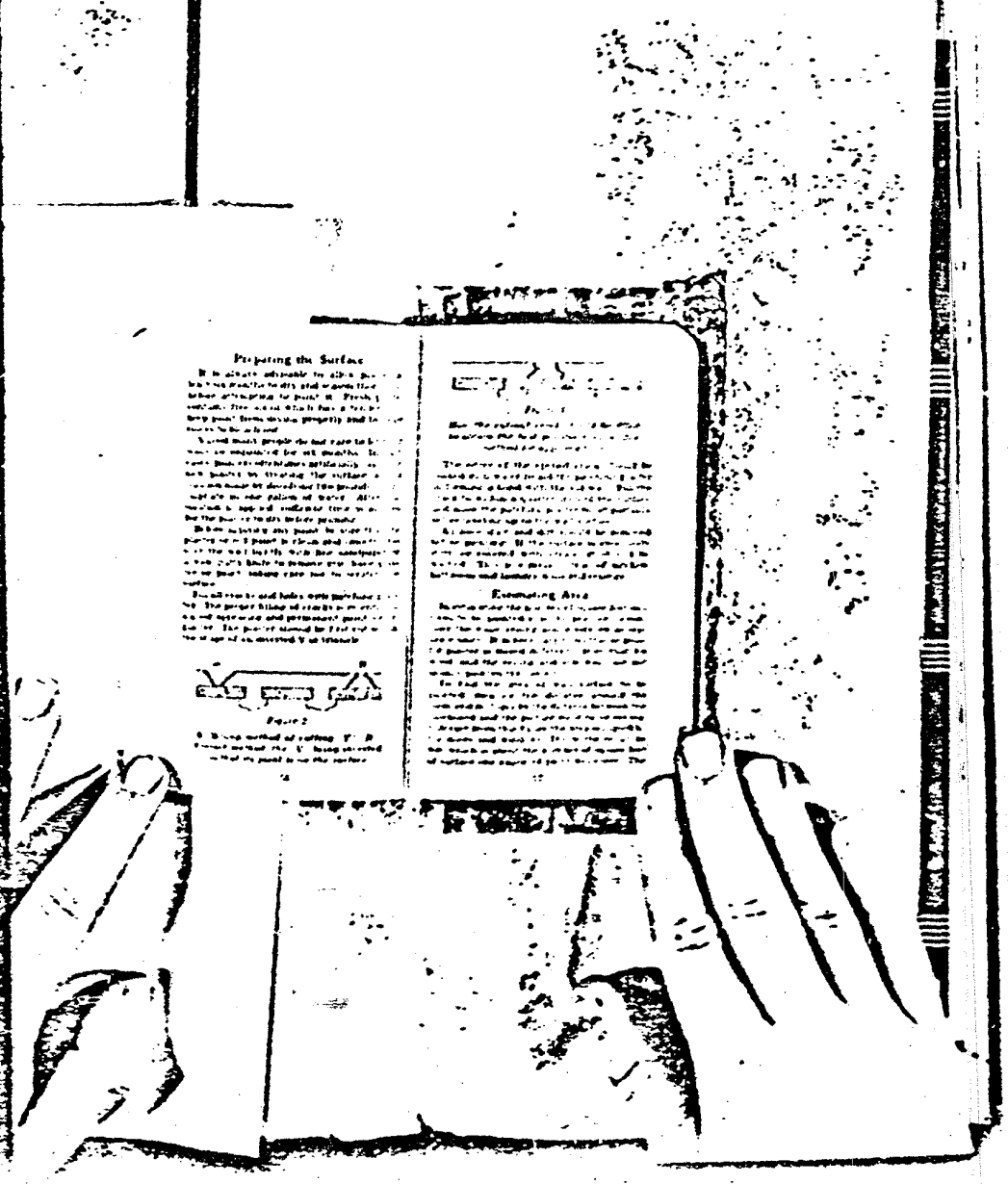
INTERIOR WALL PAINTING

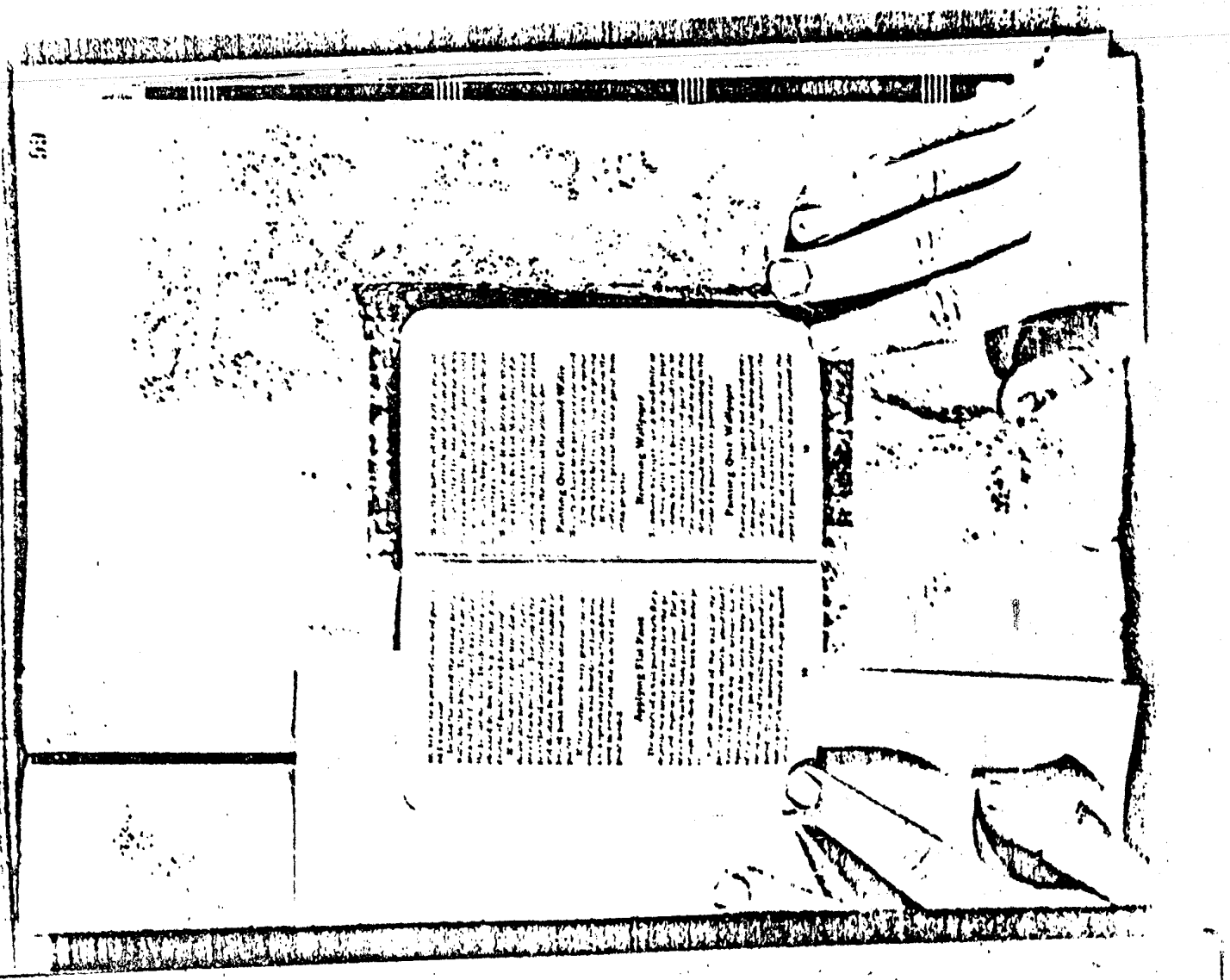
Mixing the Paint

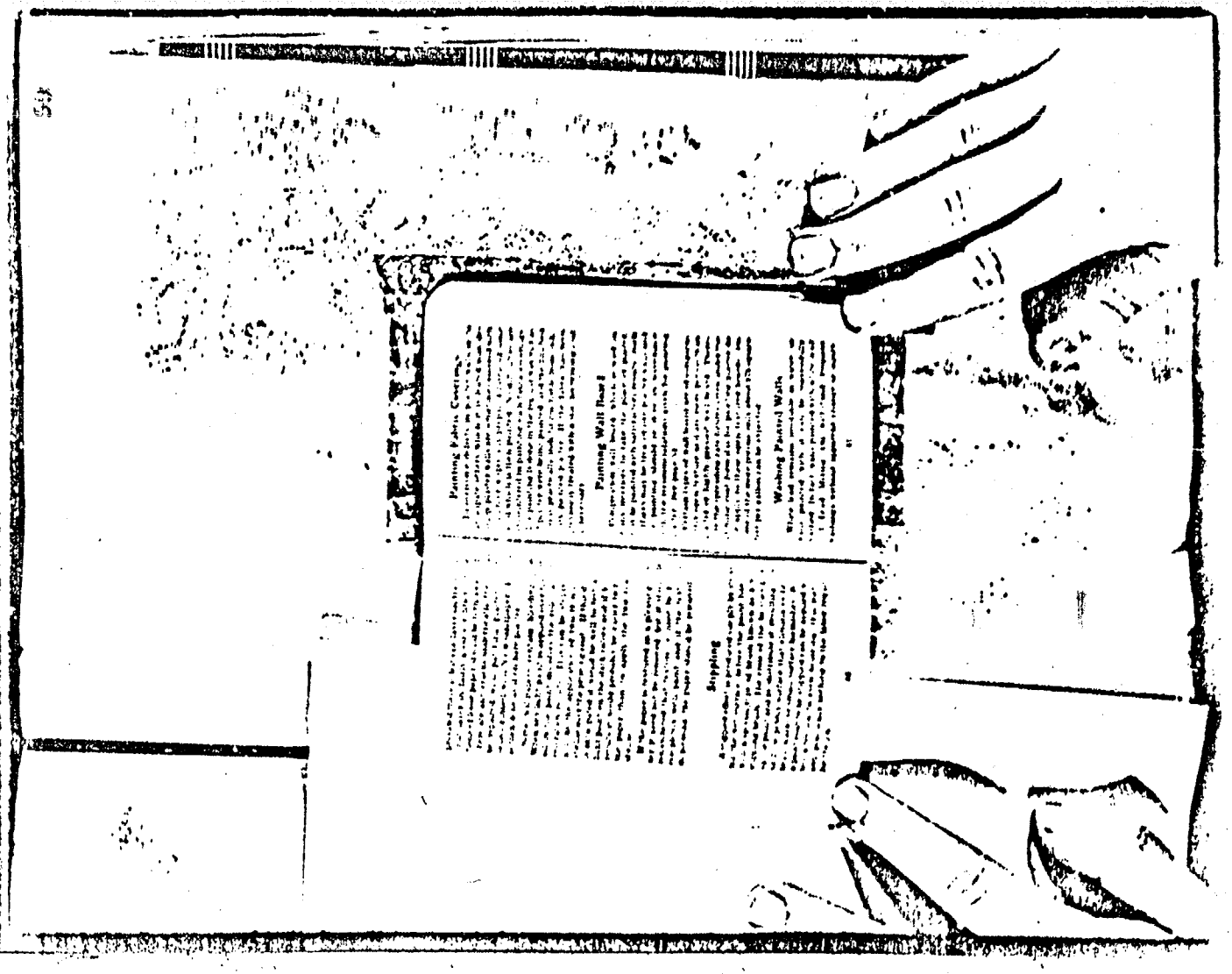
Number of Coats

THE DUTCH BOY SYSTEM FOR PAINTING INTERIOR PLASTER







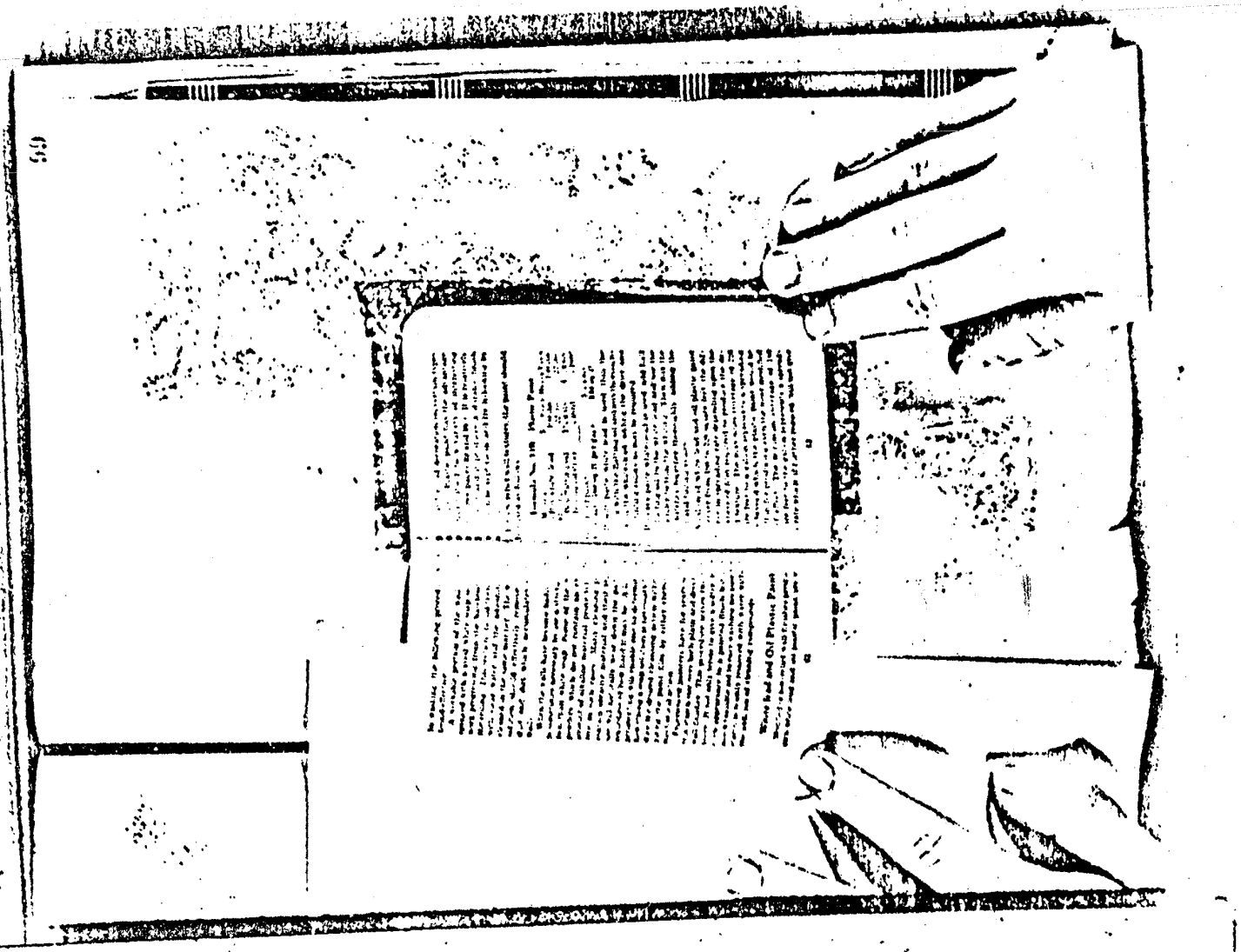


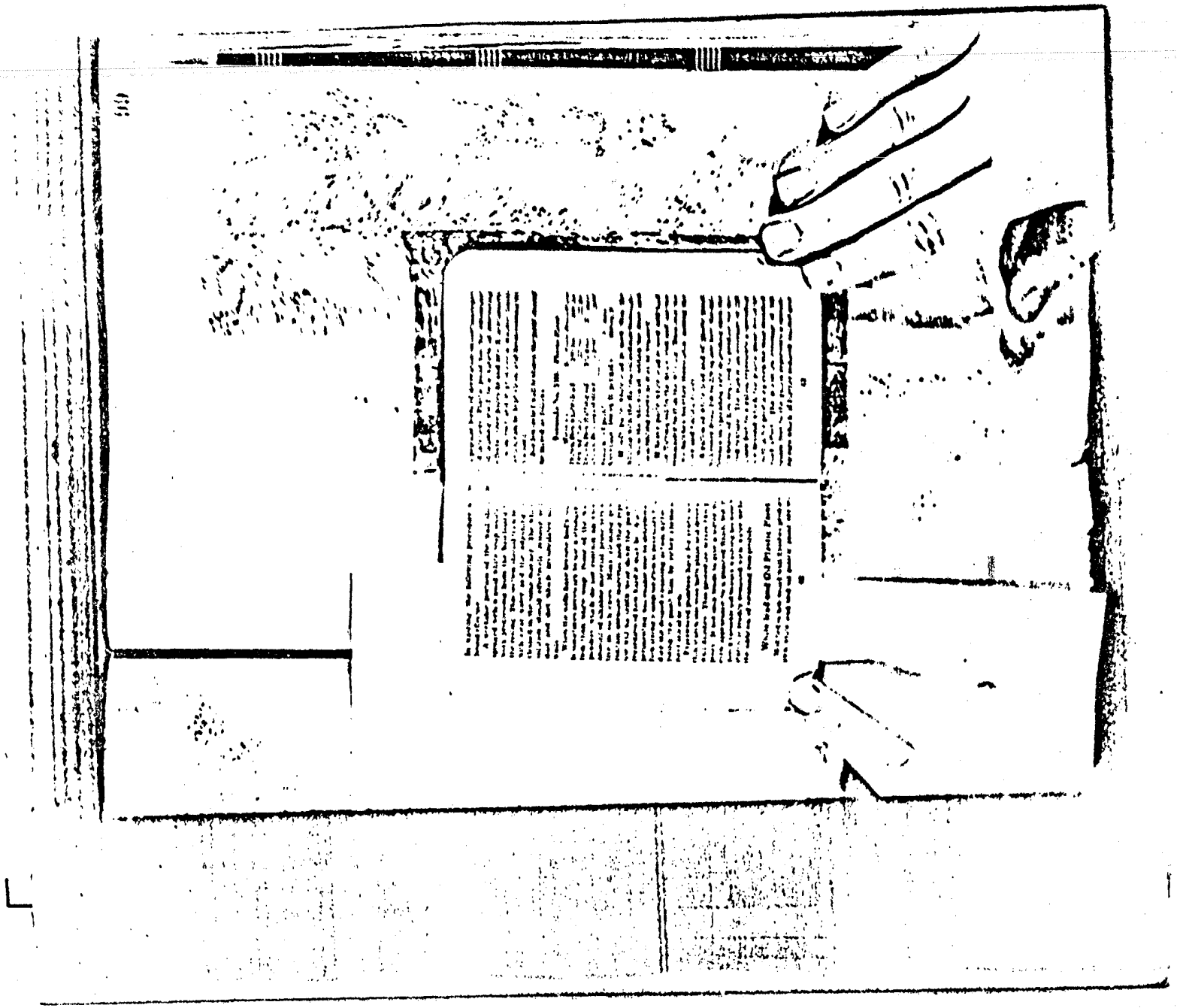
Painting Fabric Covered Walls

Painting Wall Board

Washing Painted Walls

Stippling

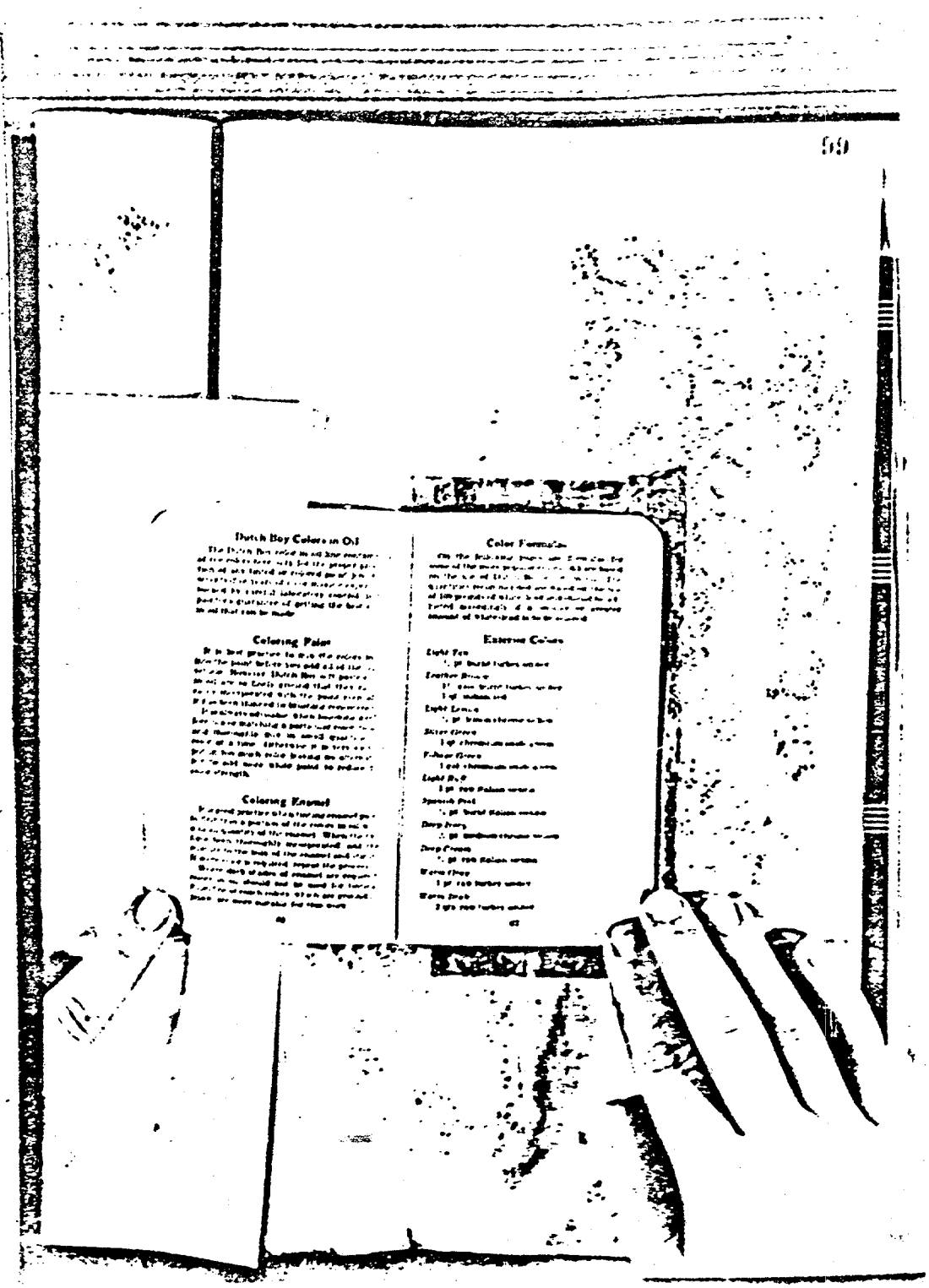




CHAPTER VI
COLORED PAINTS

What to Look For in Oil Colors

Adhesive for Hanging Canvas Mur



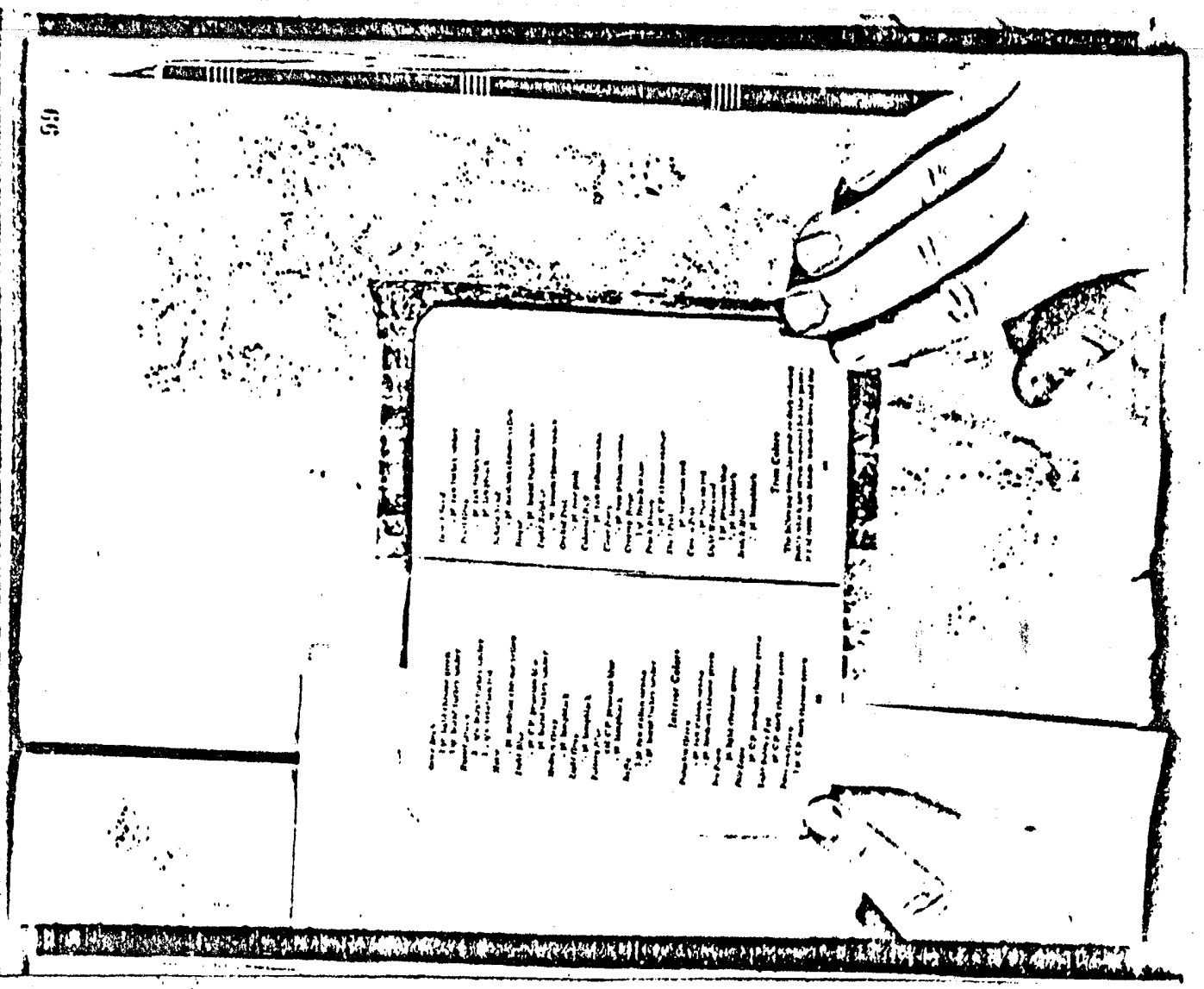
Dutch Boy Colors in Oil

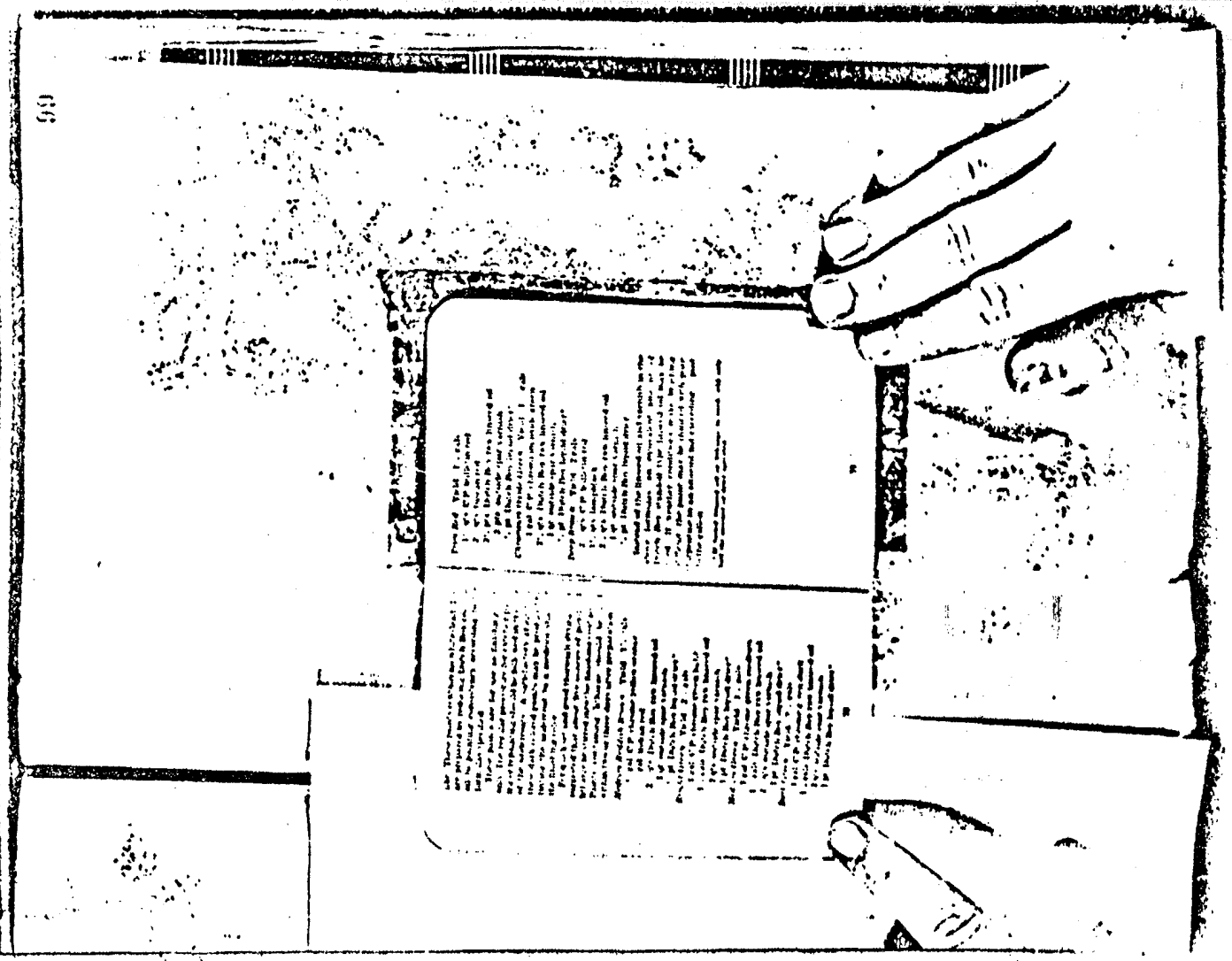
Coloring Paint

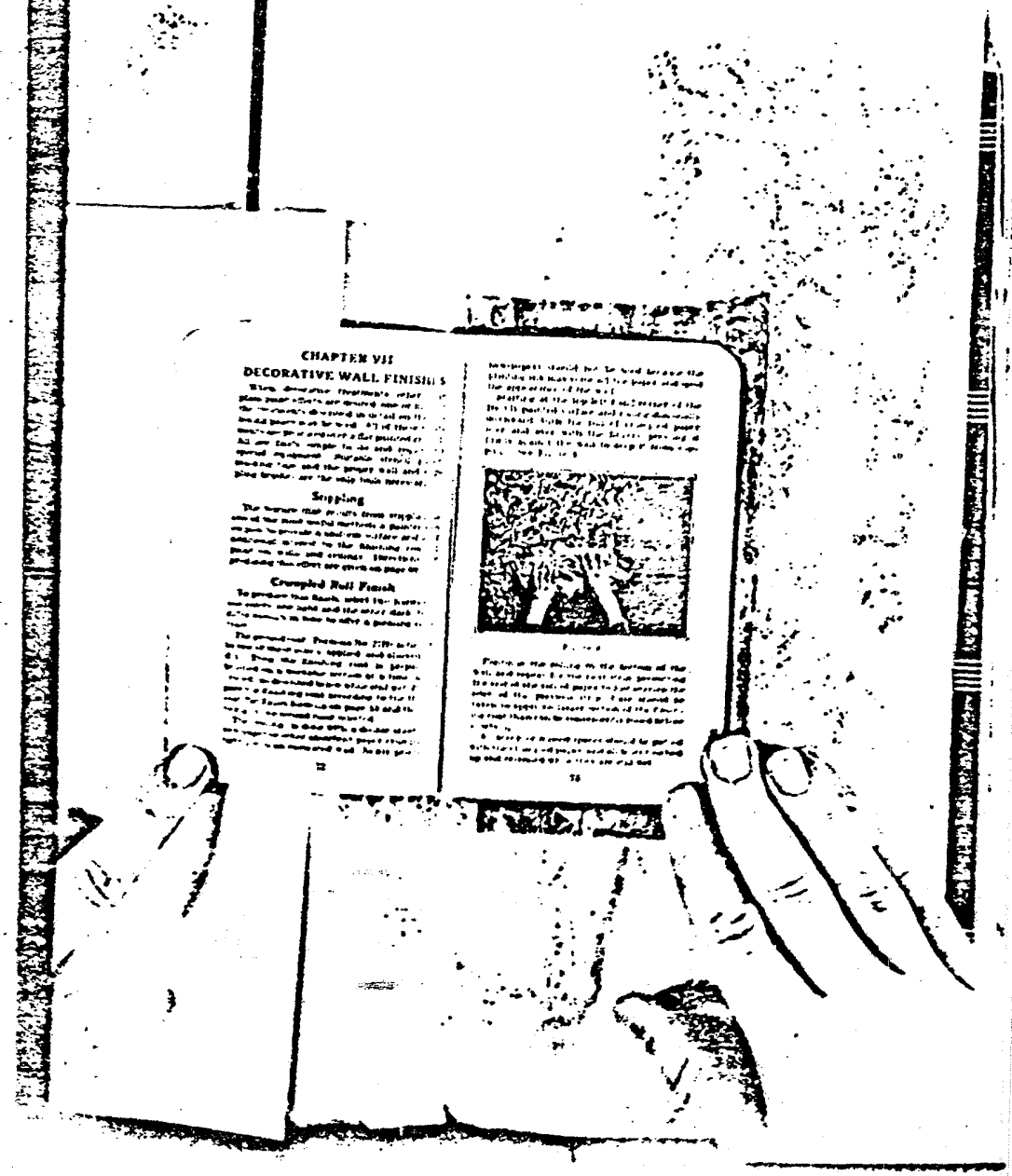
Coloring Enamel

Color Formulas

Exterior Colors





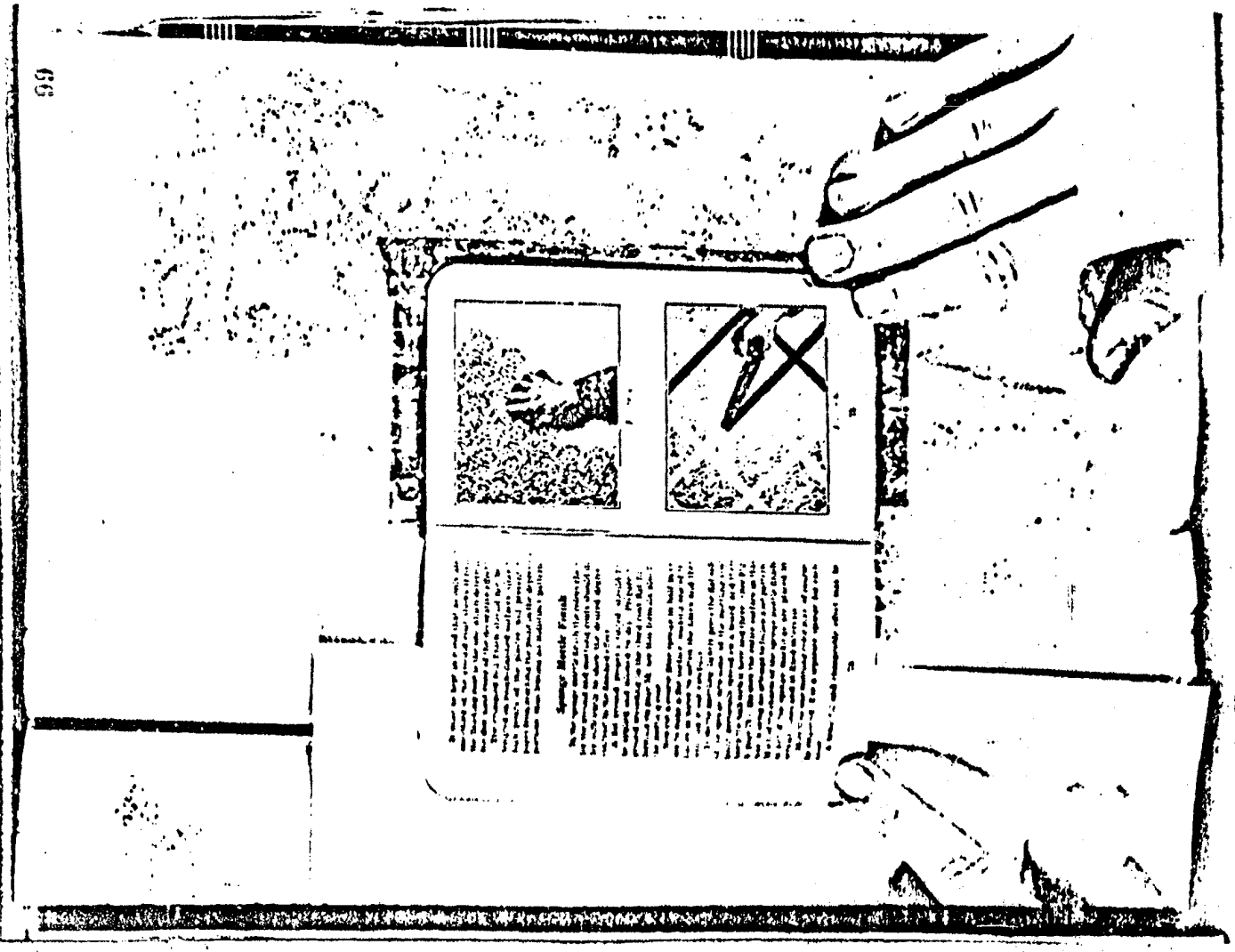


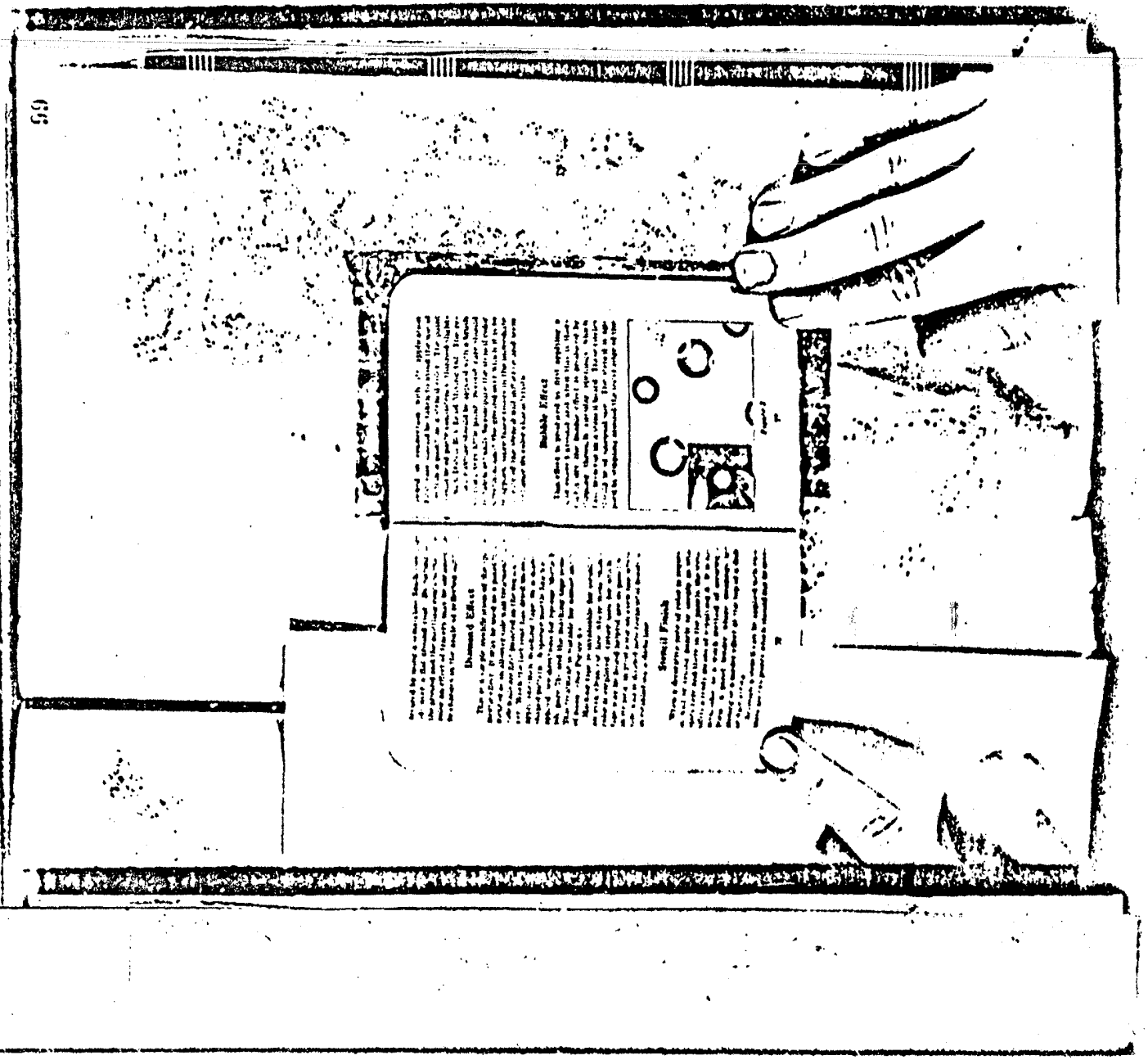
CHAPTER VII

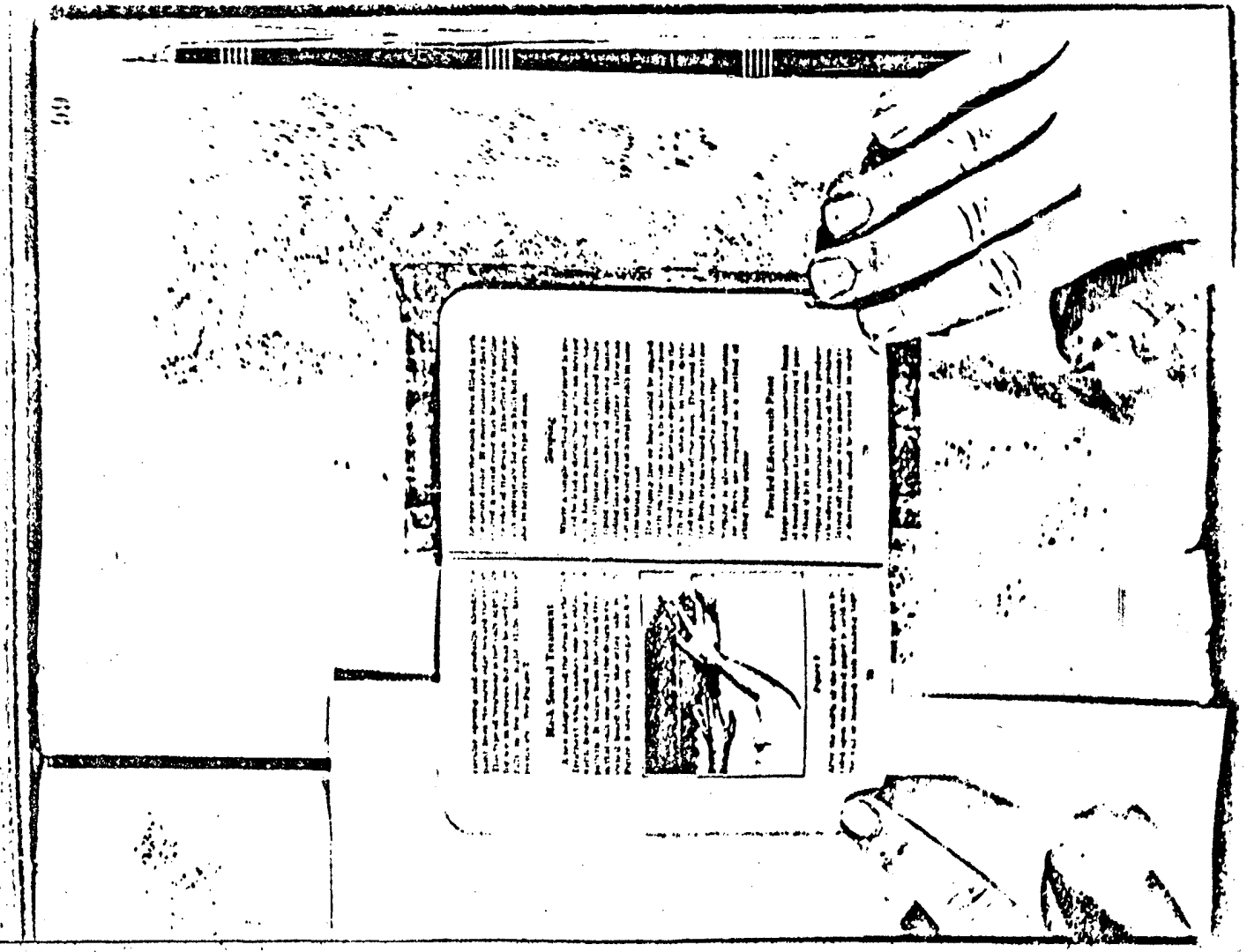
DECORATIVE WALL FINISHES

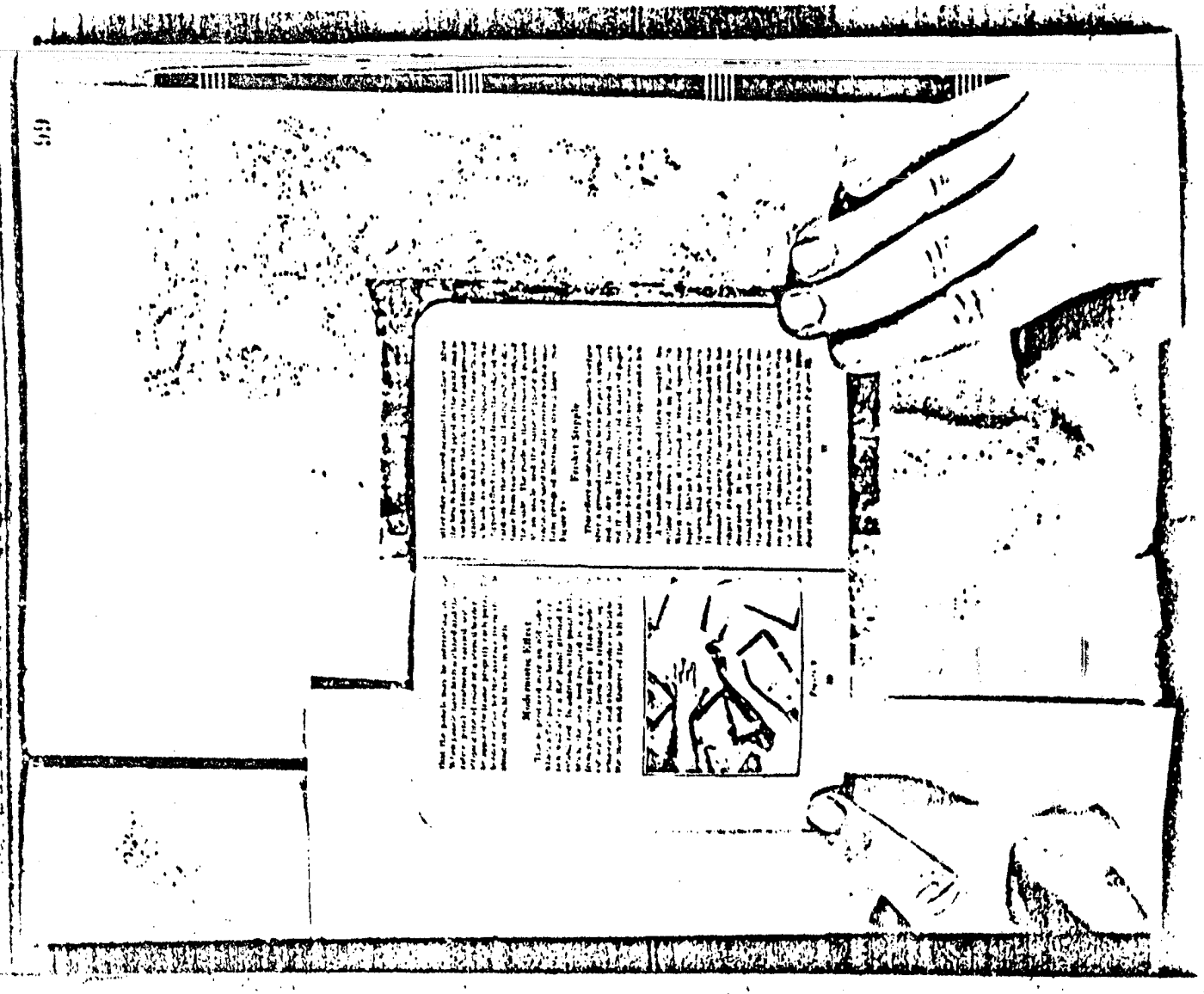
Stippling

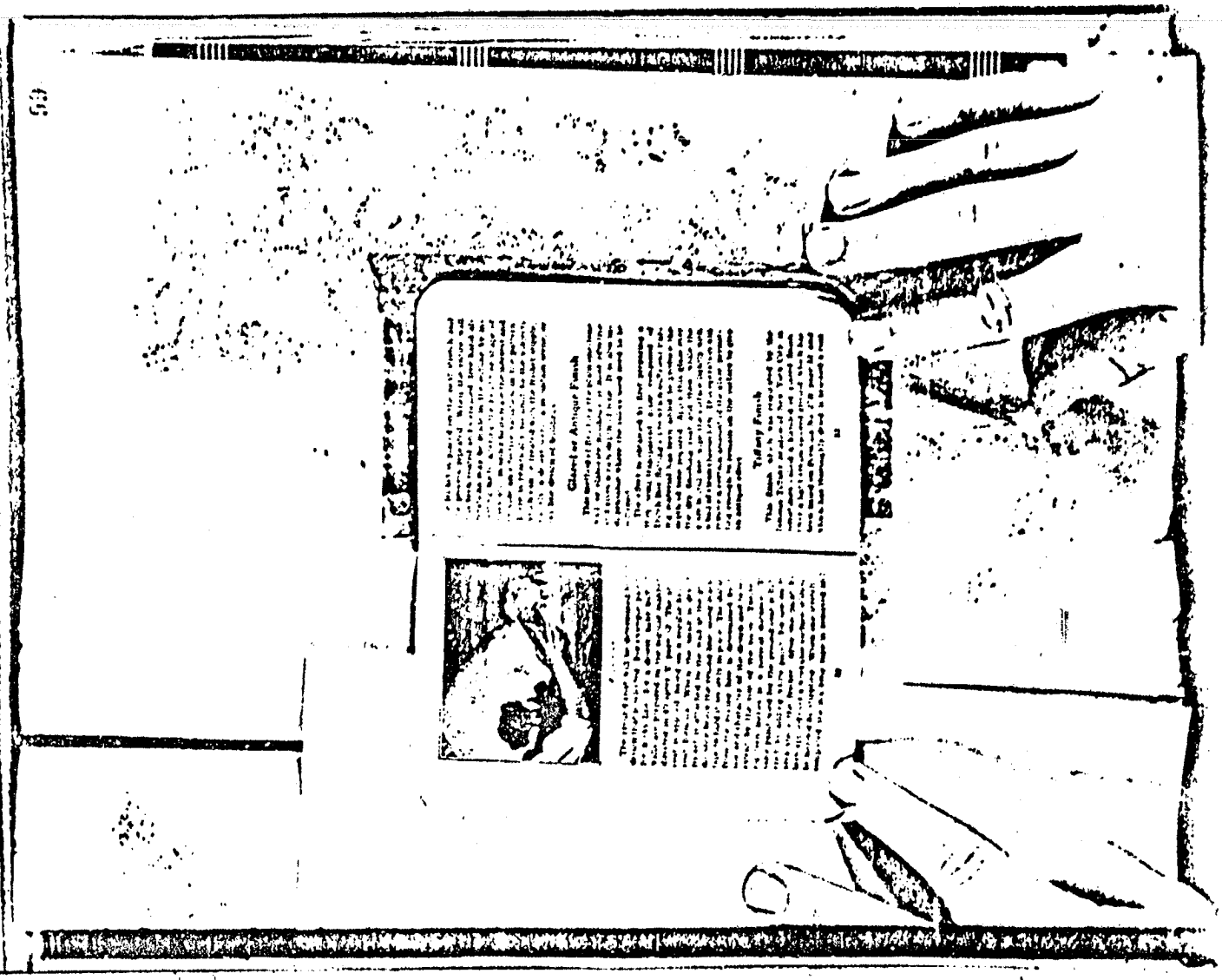
Crumpled Roll Finish

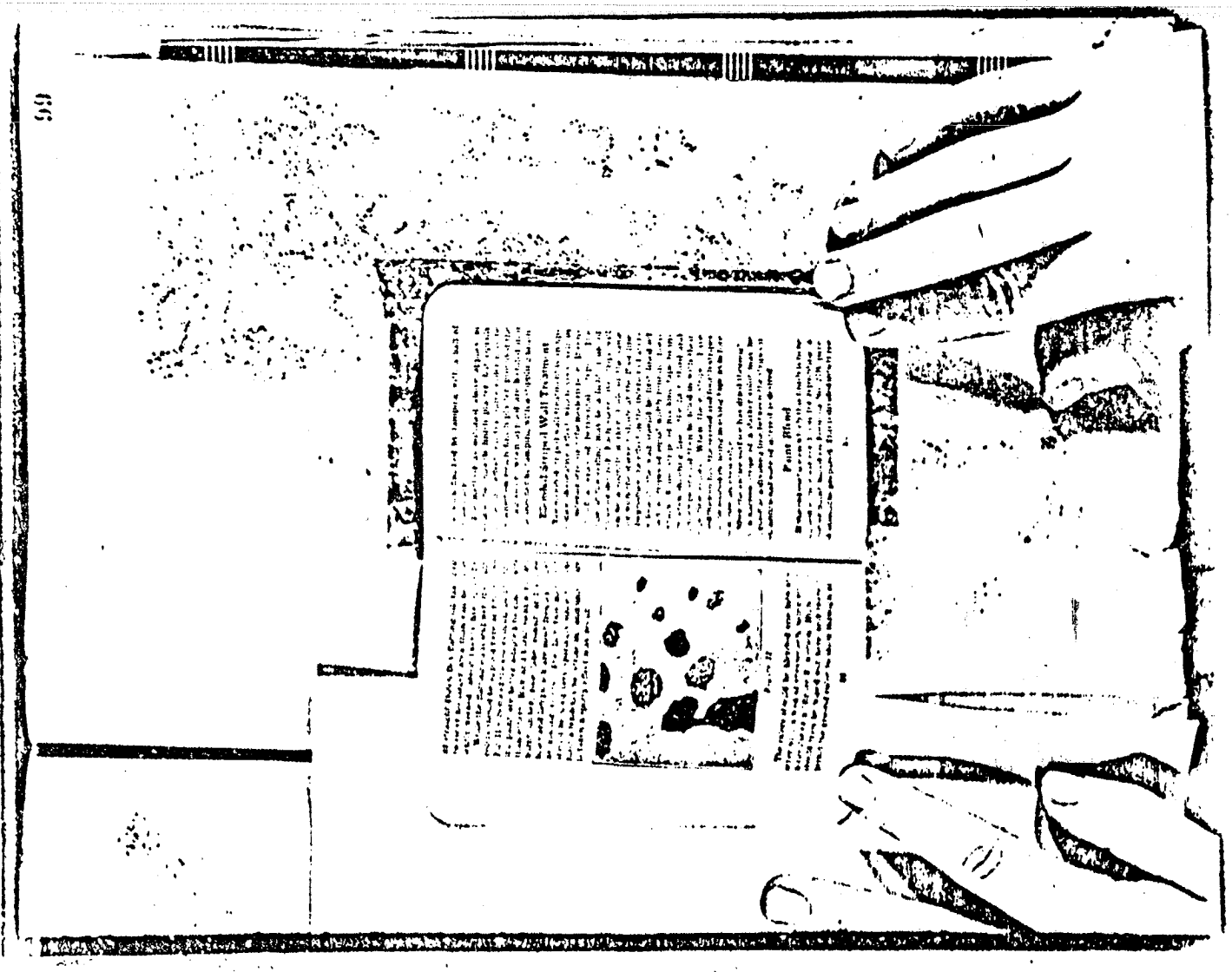


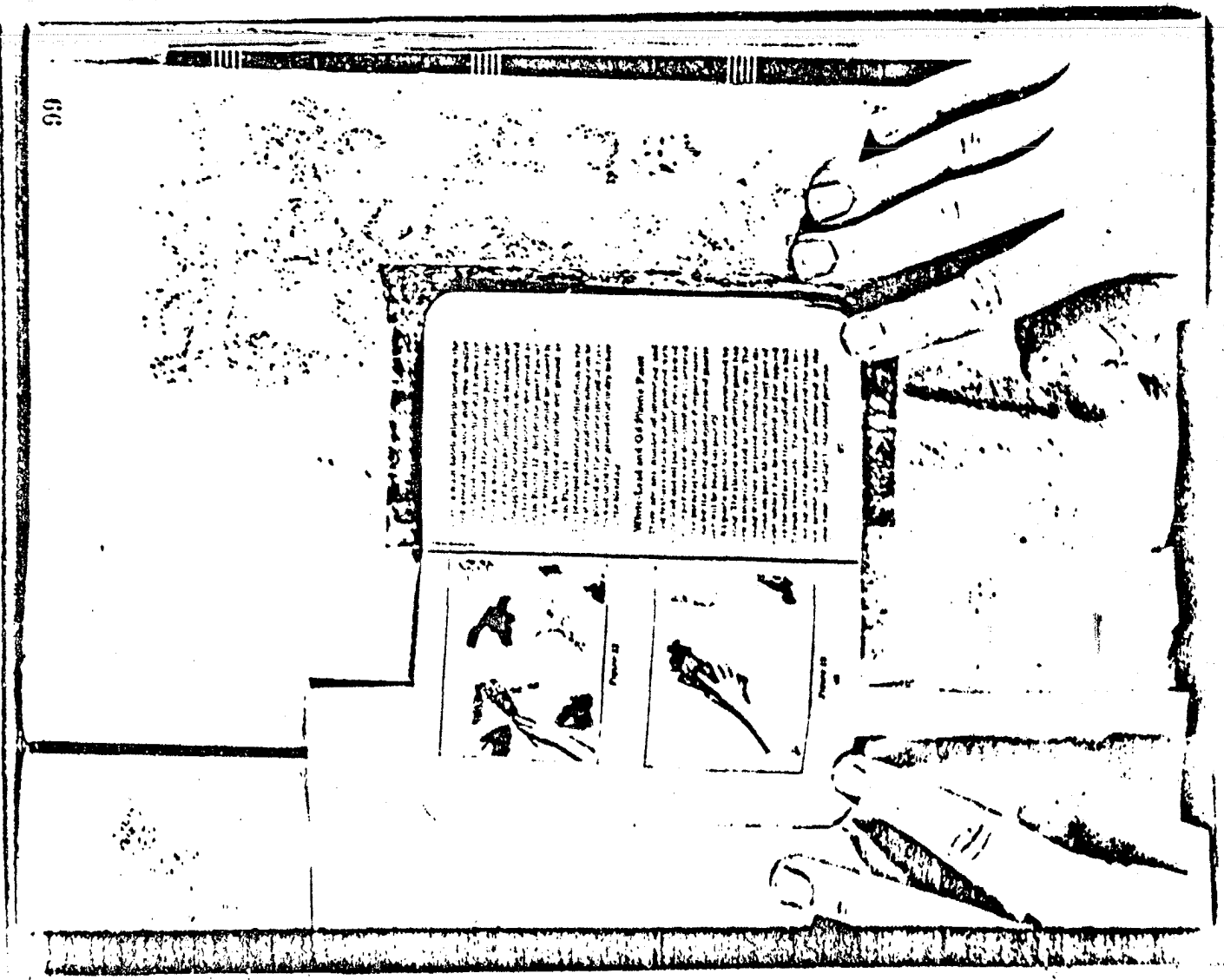


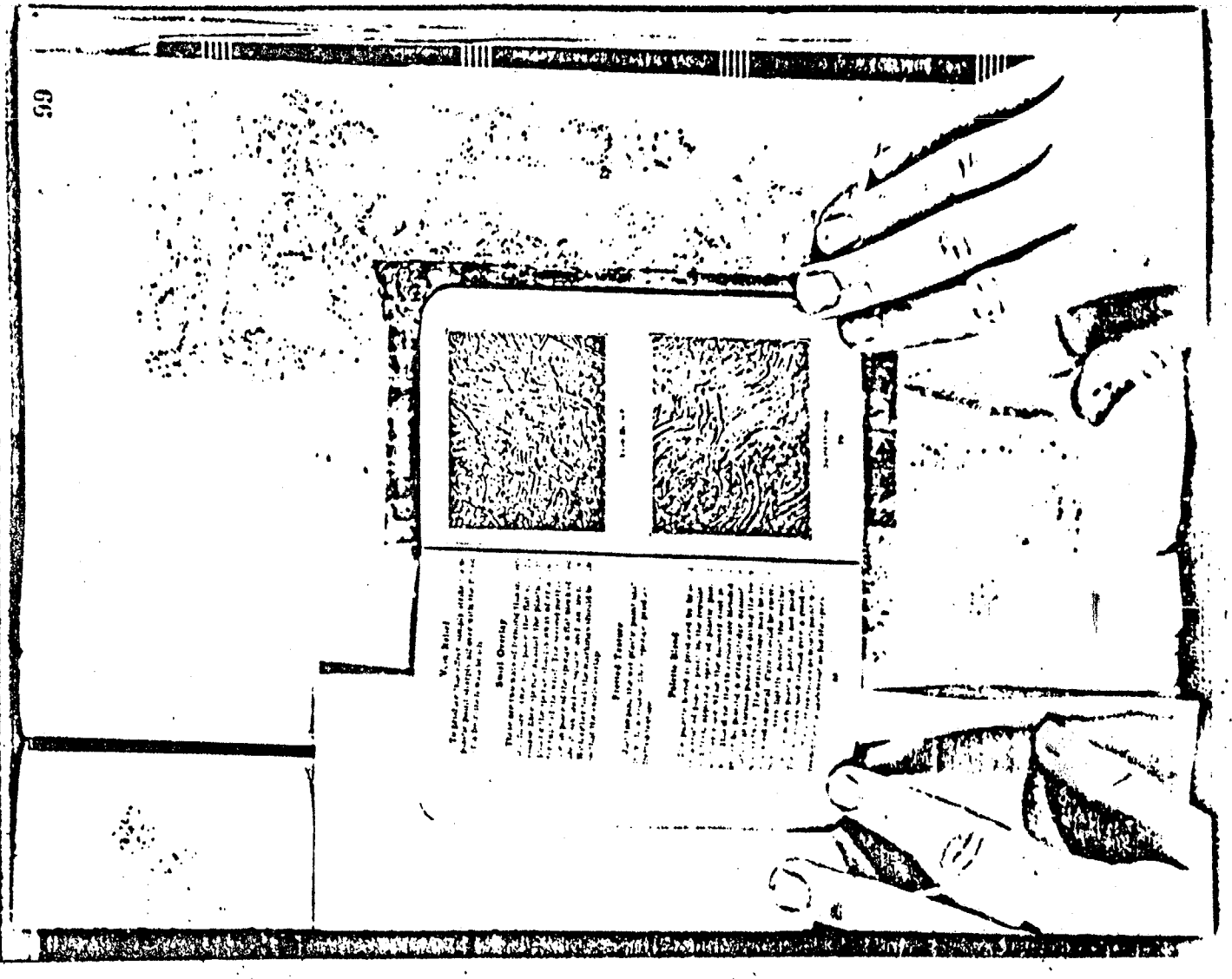


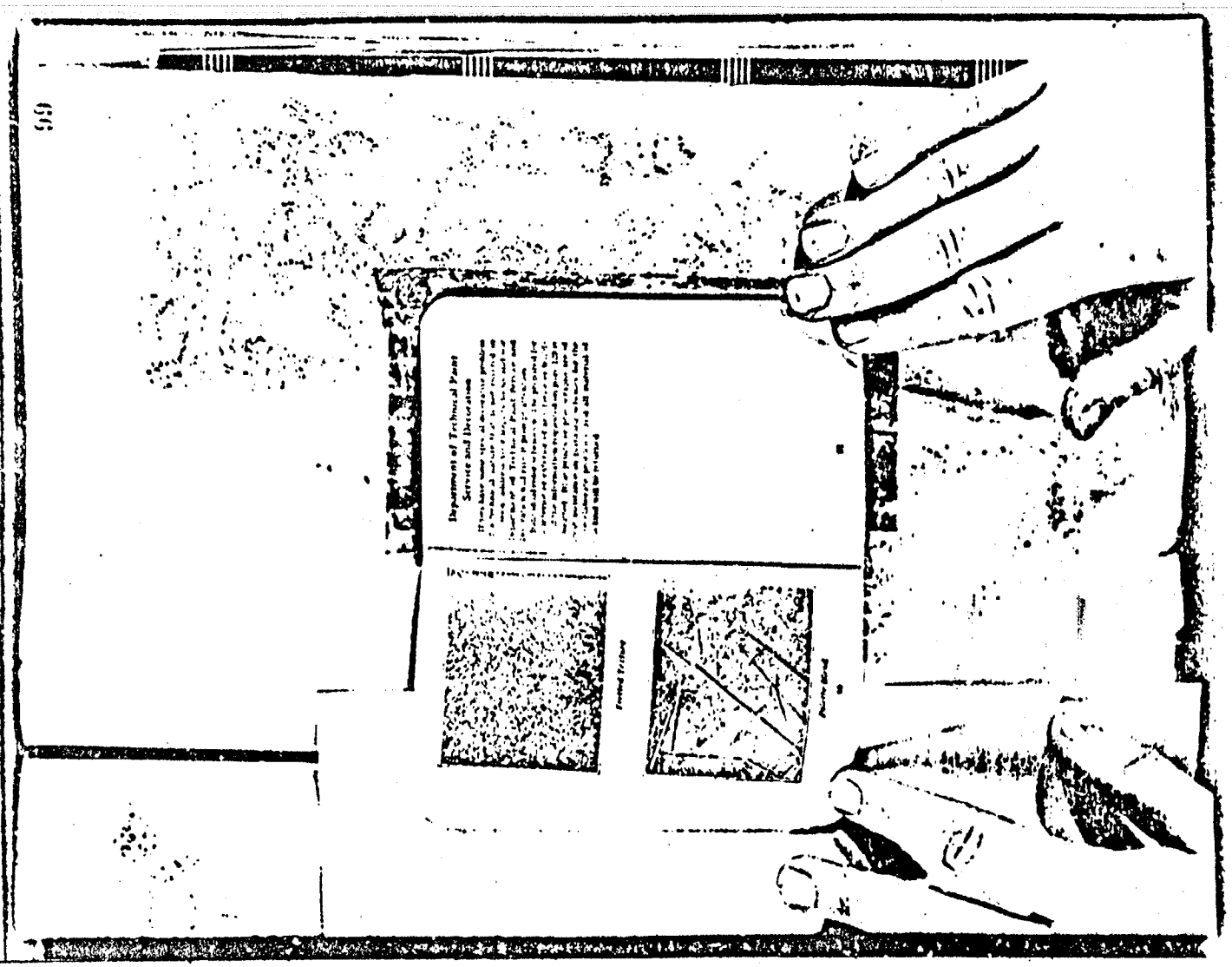








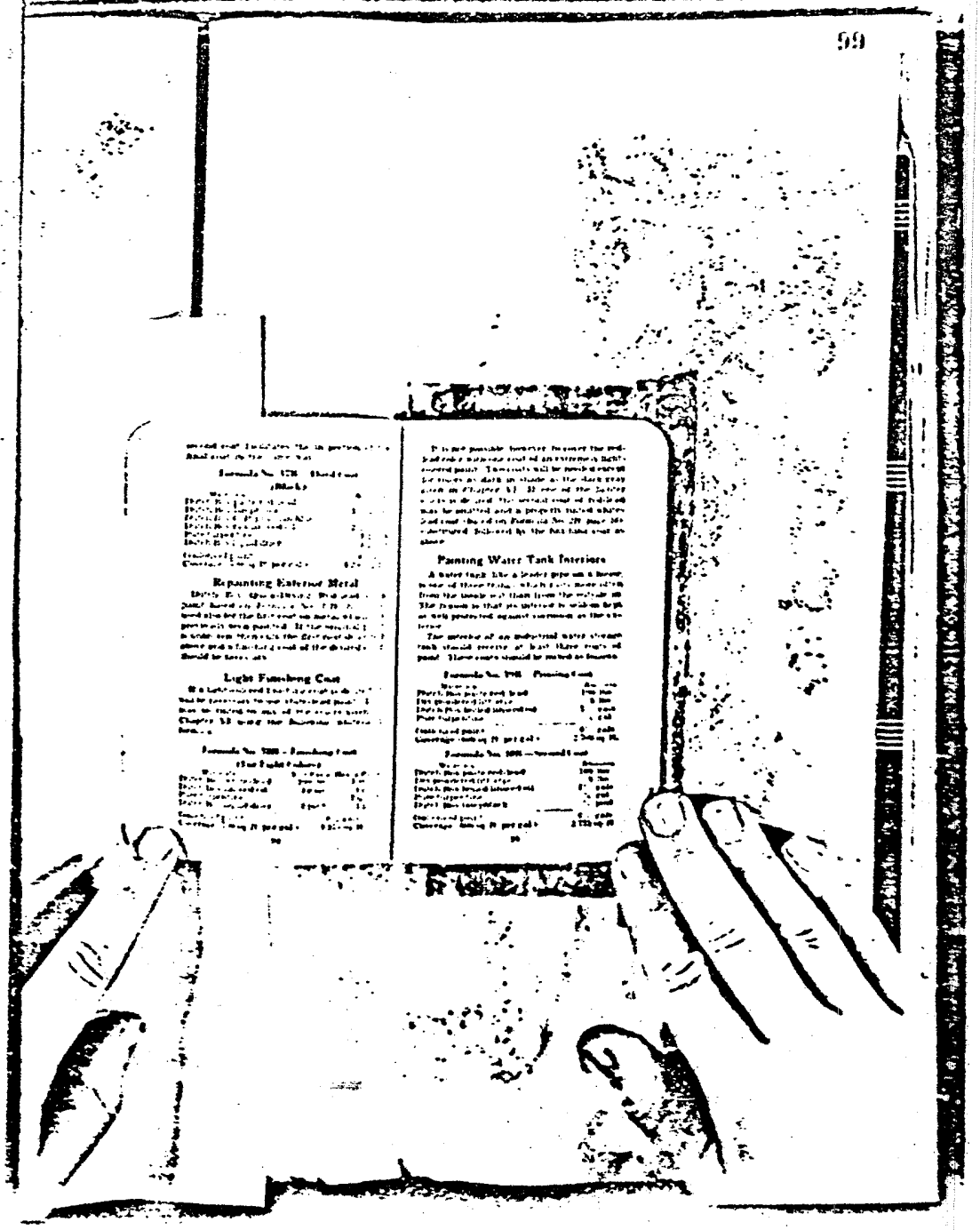




CHAPTER VIII

METAL PAINTING

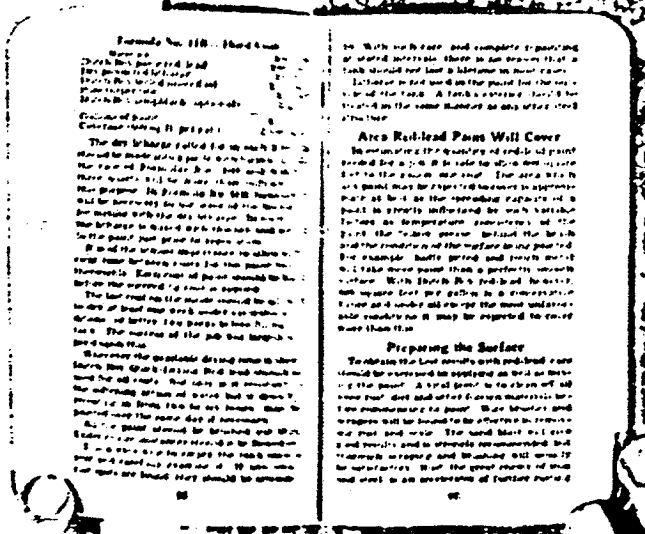
Painting Exterior Metal



Repainting Exterior Metal

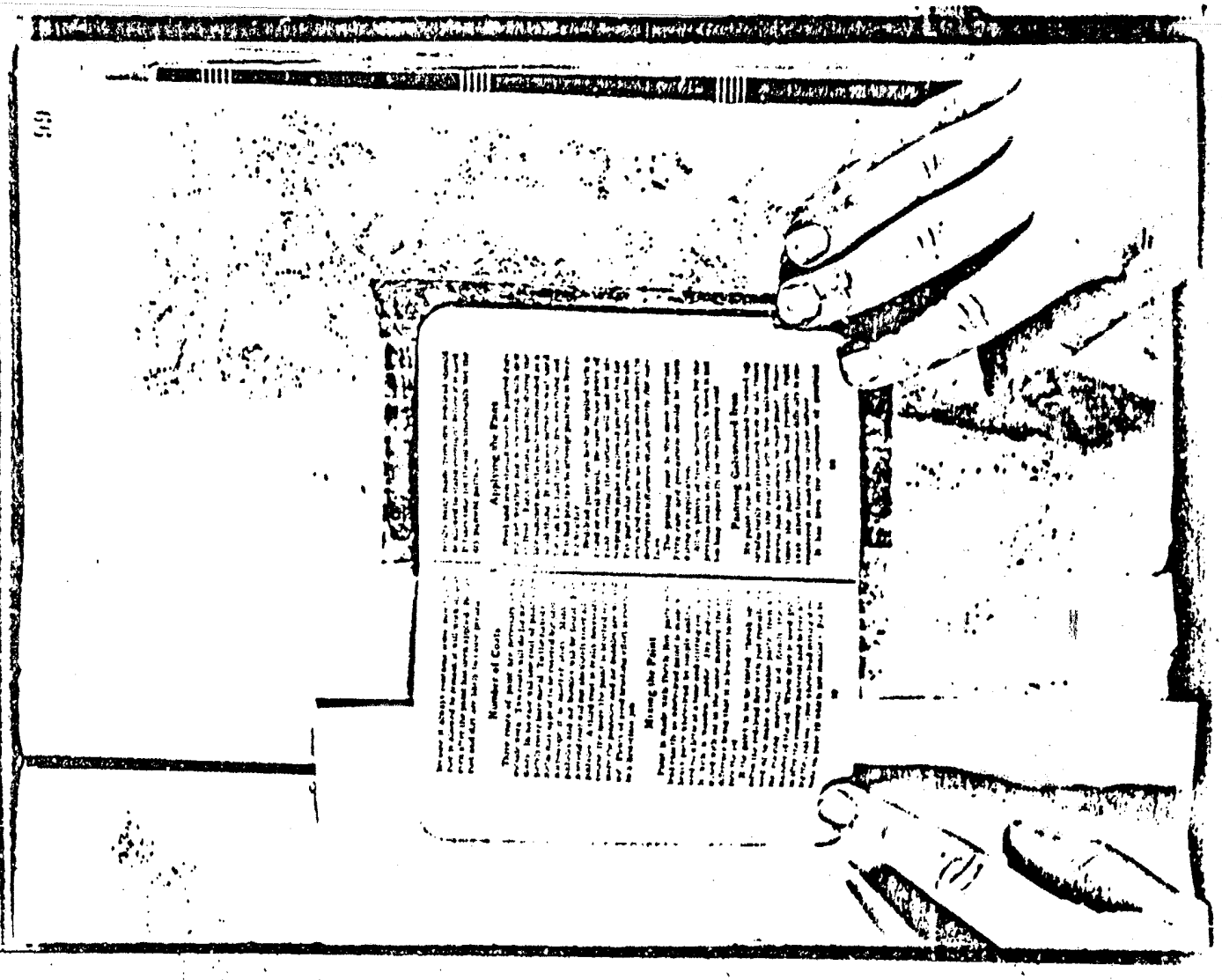
Light Finishing Coat

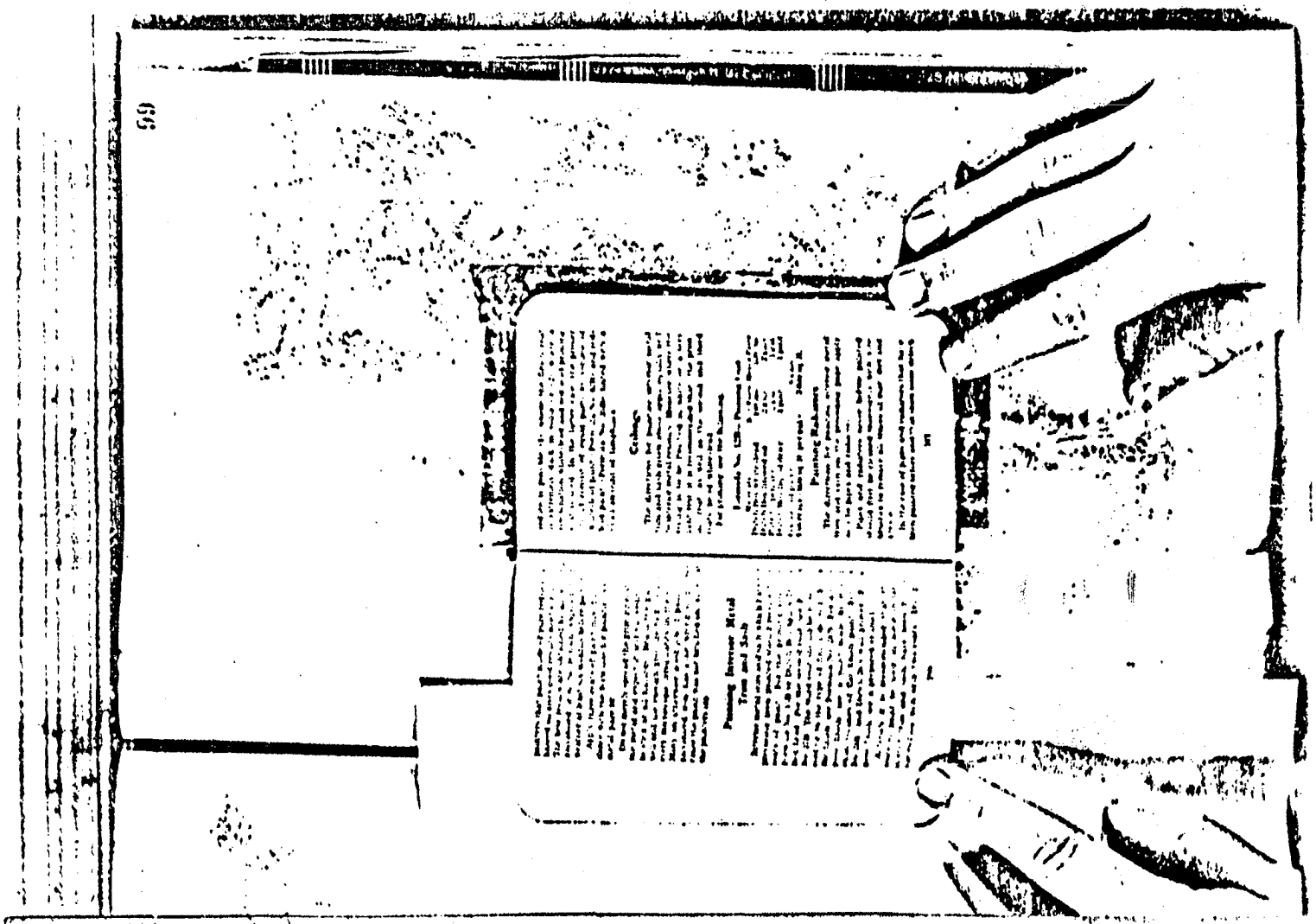
Painting Water Tank Interiors



Area Red-lead Paint Will Cover

Preparing the Surface



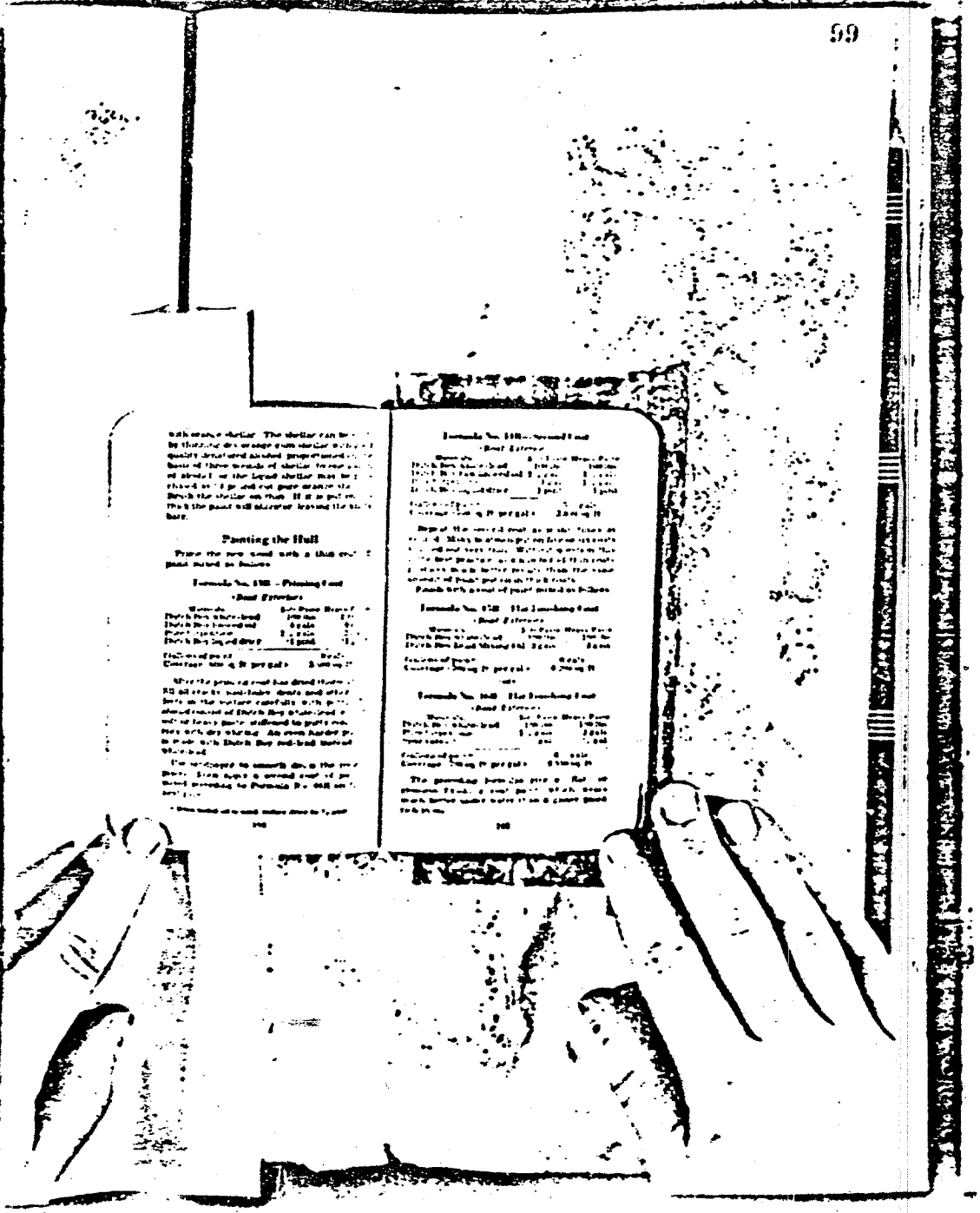


Boobin on Metal Painting

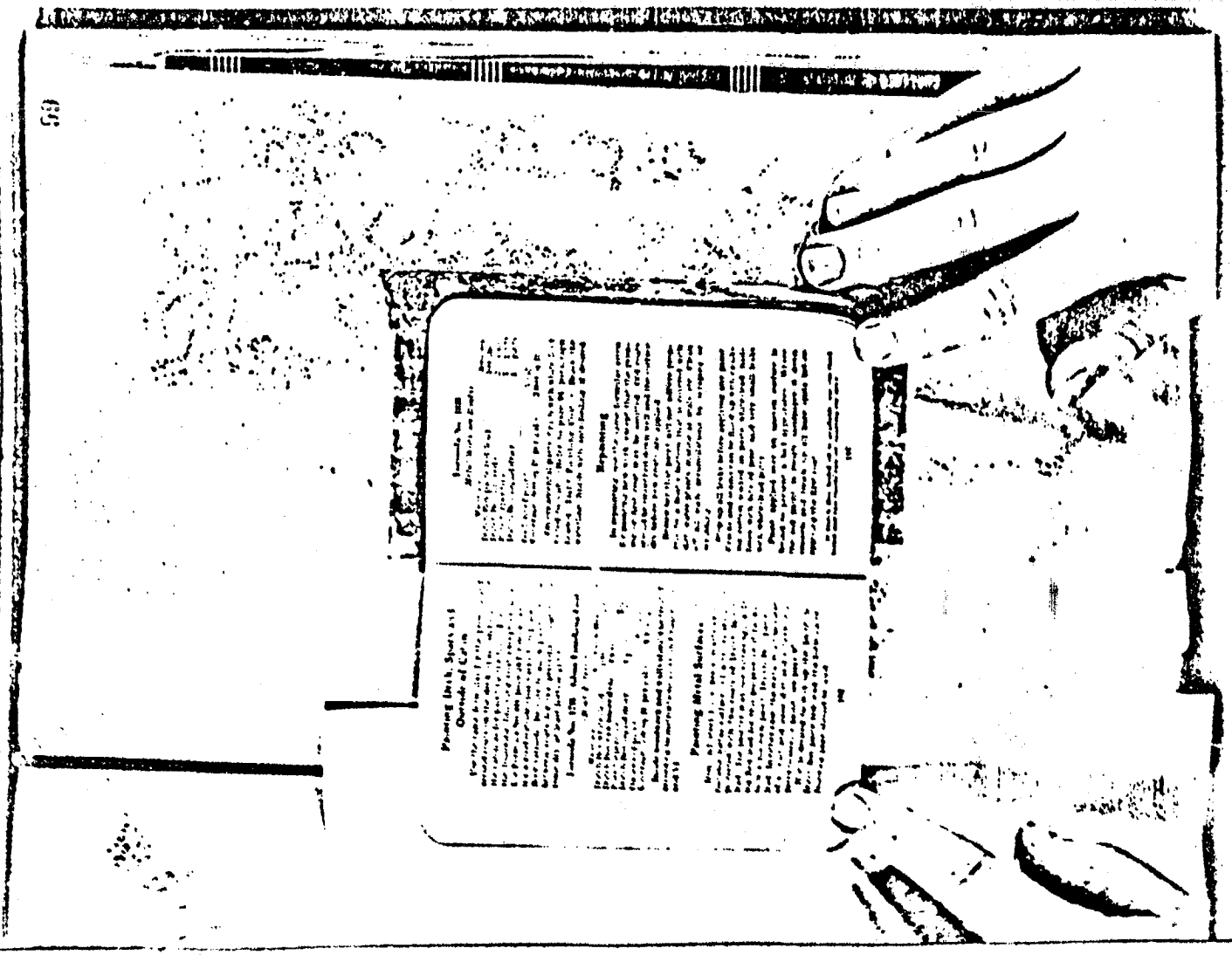
CHAPTER IX

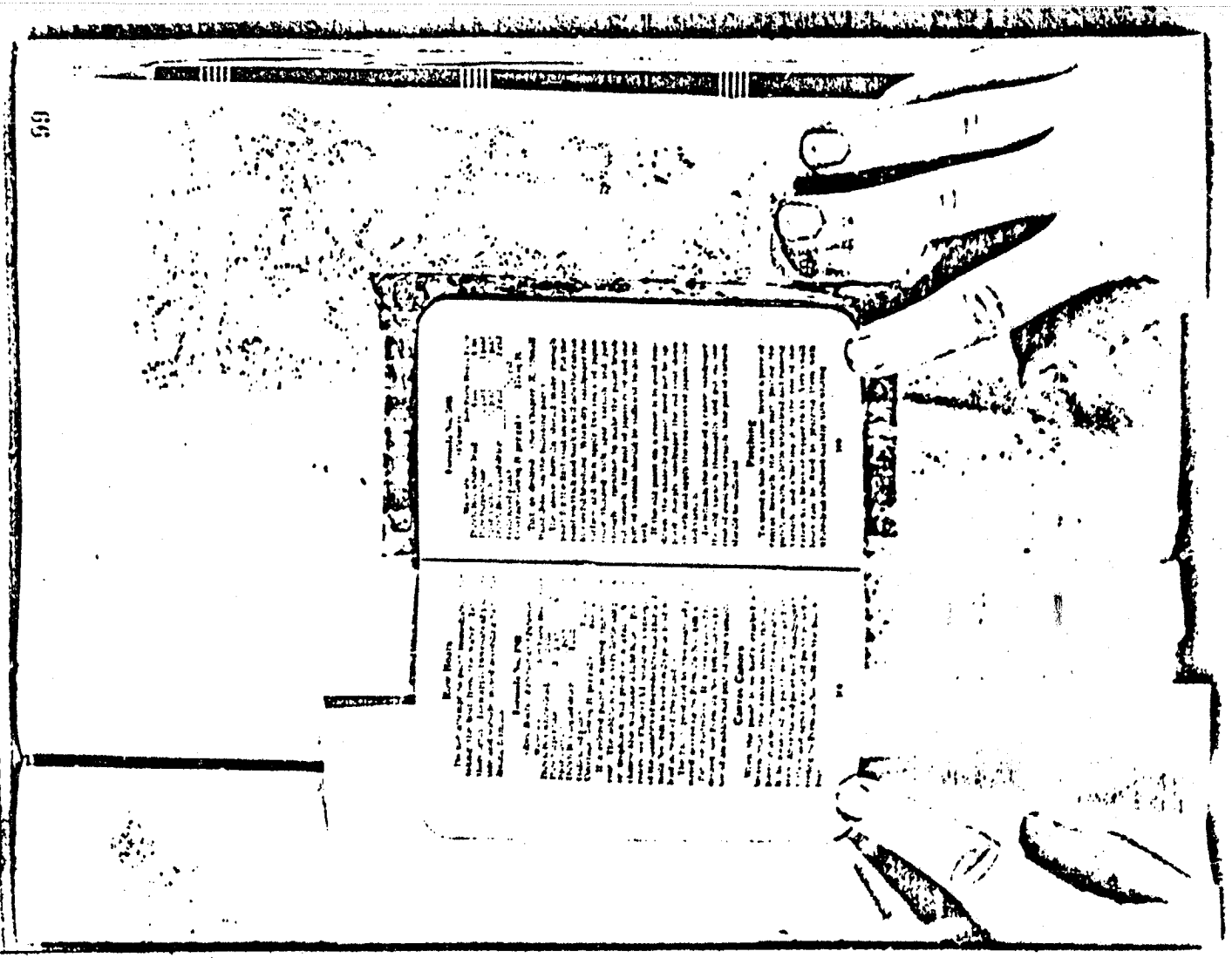
PAINTING SMALL BOATS

Preparing the Surface



Painting the Hull



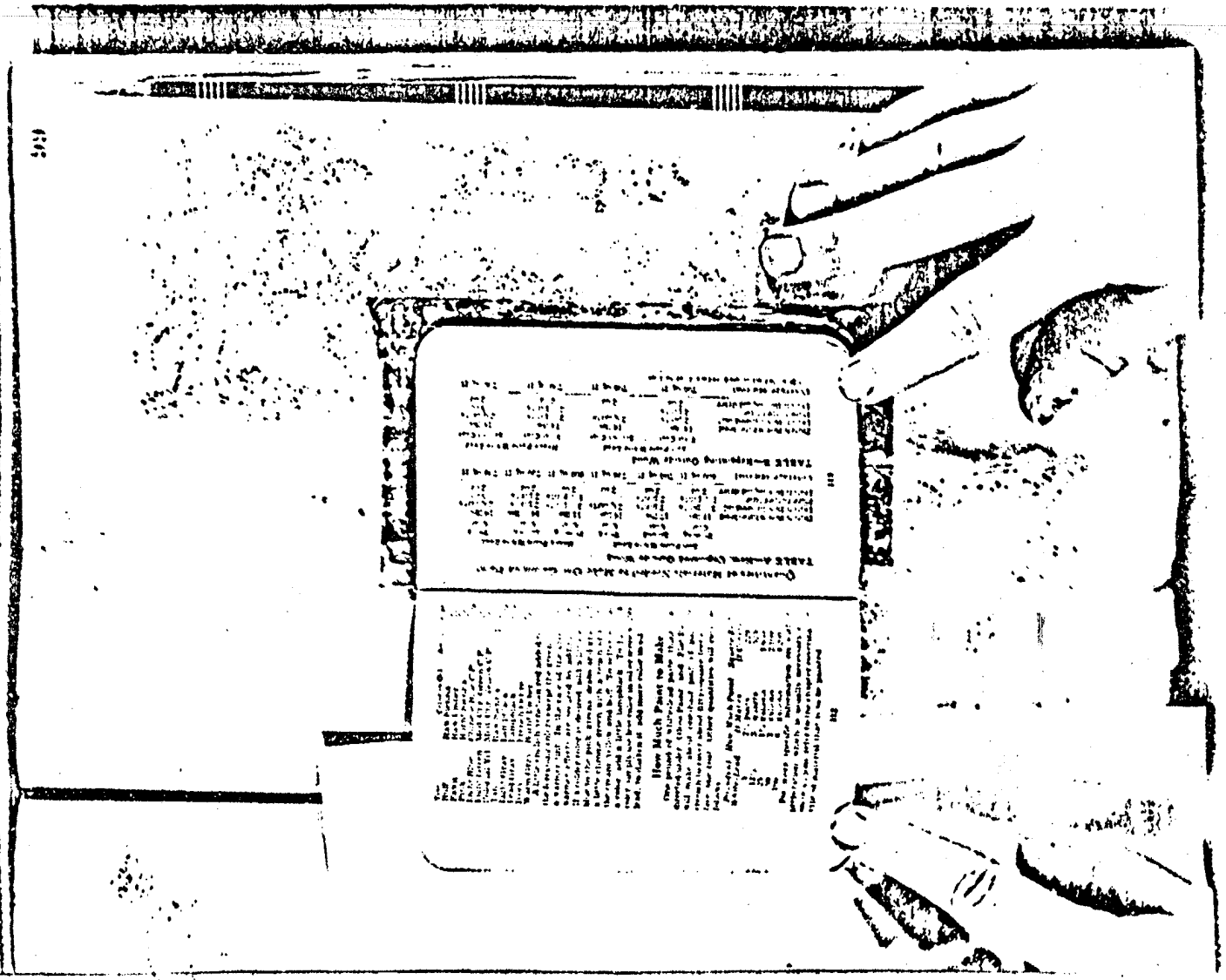


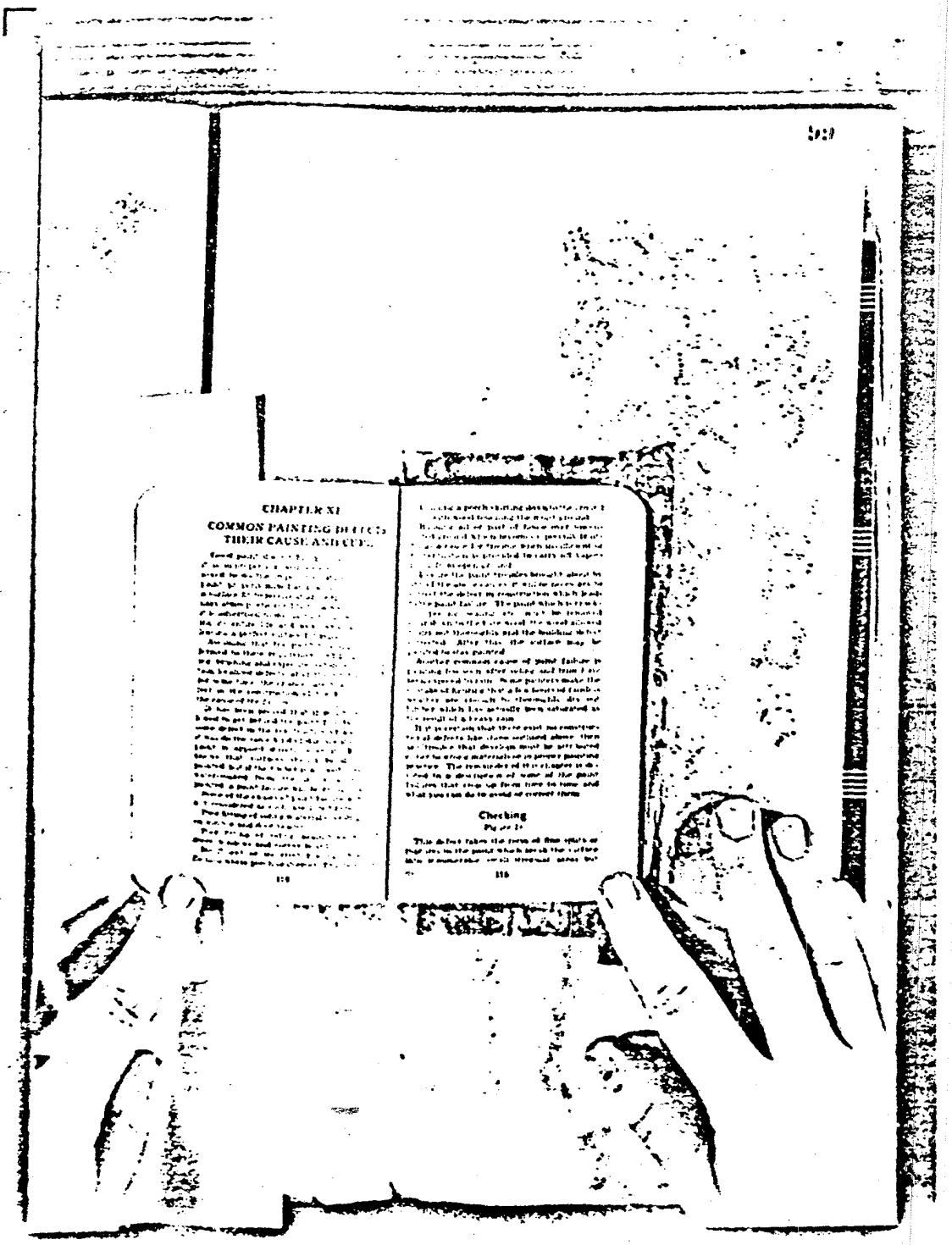
CHAPTER X
SMALL PAINT JOBS

Simplified Mixing Directions

Gloss Paint

Flat Paint

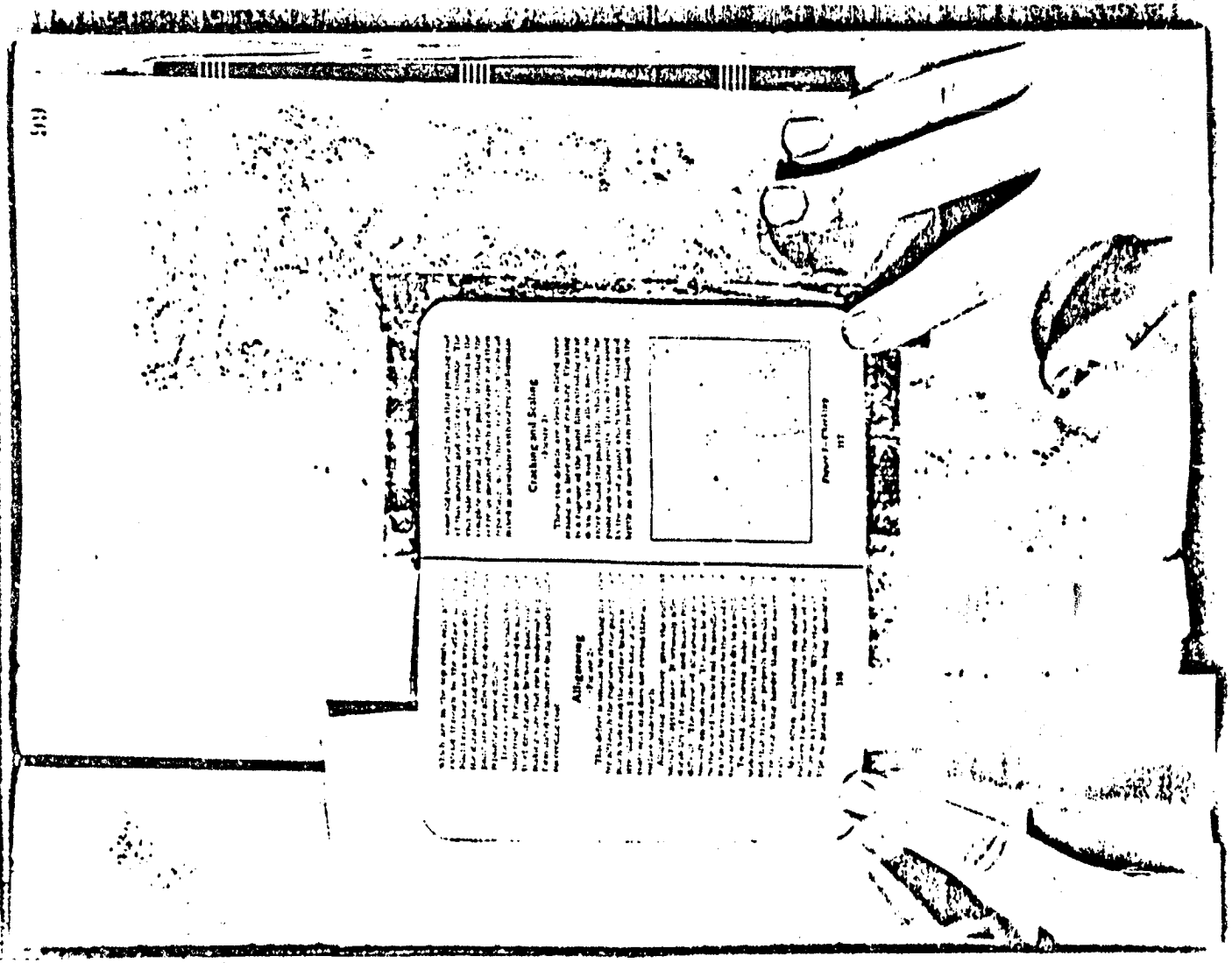


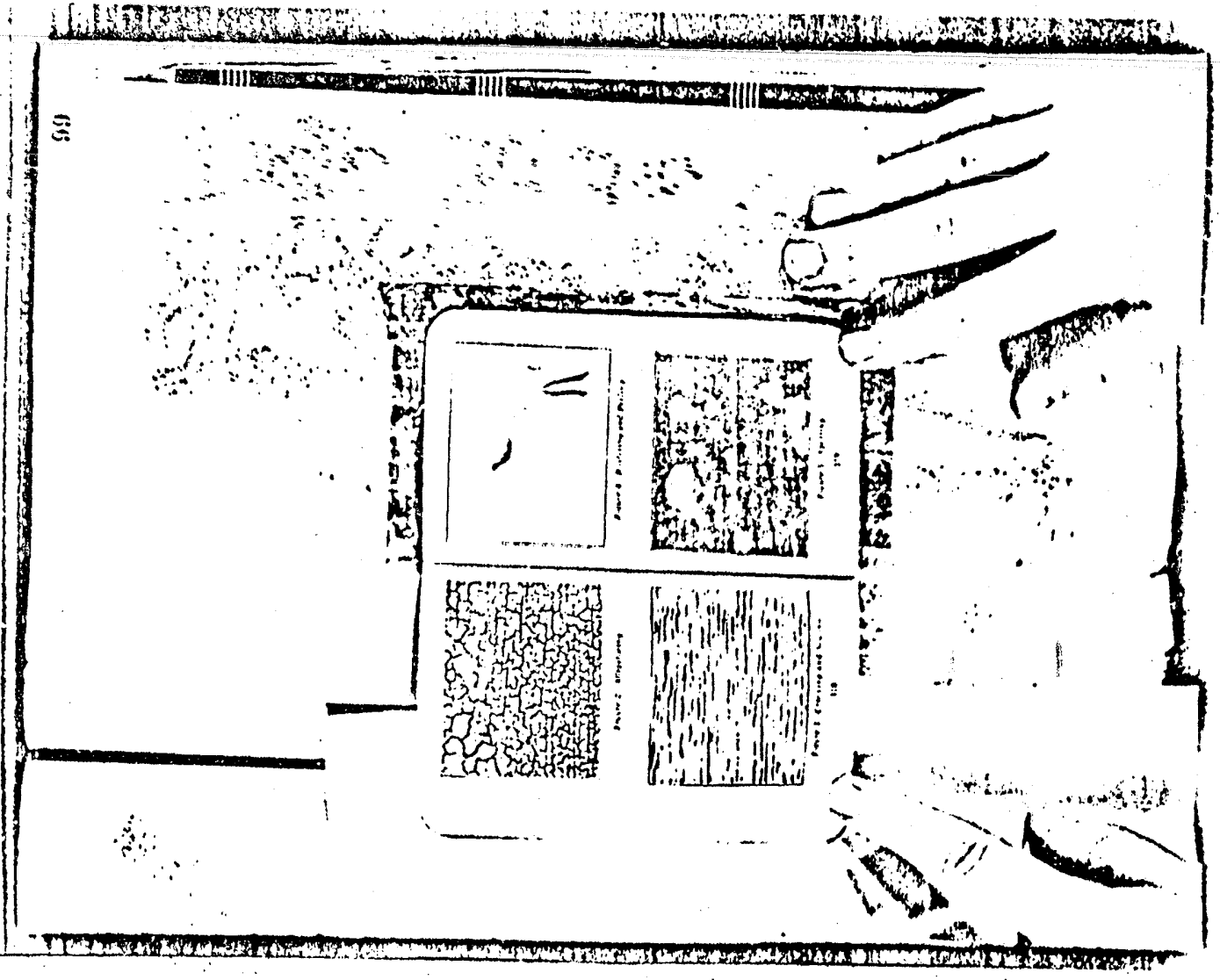


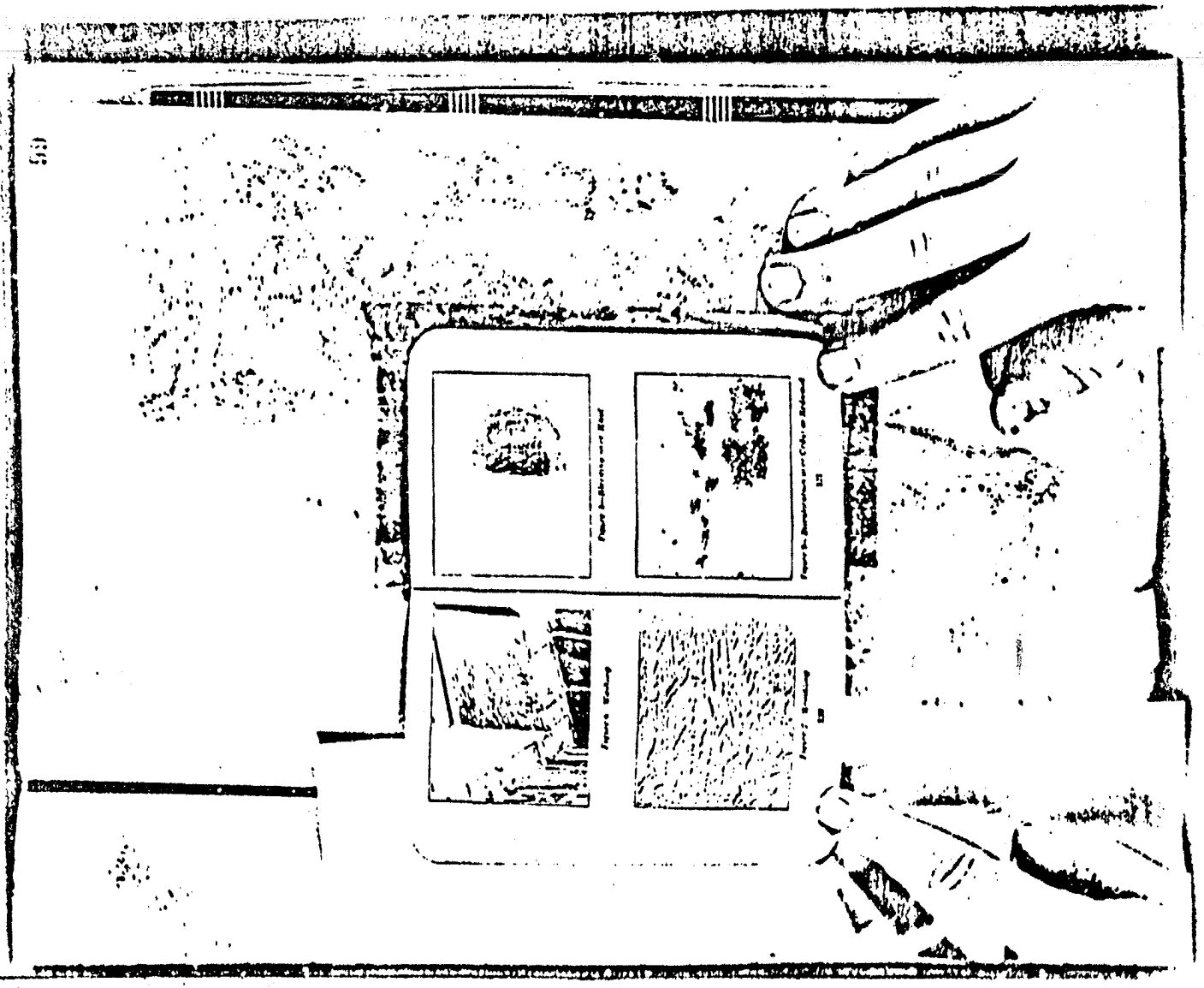
CHAPTER XI

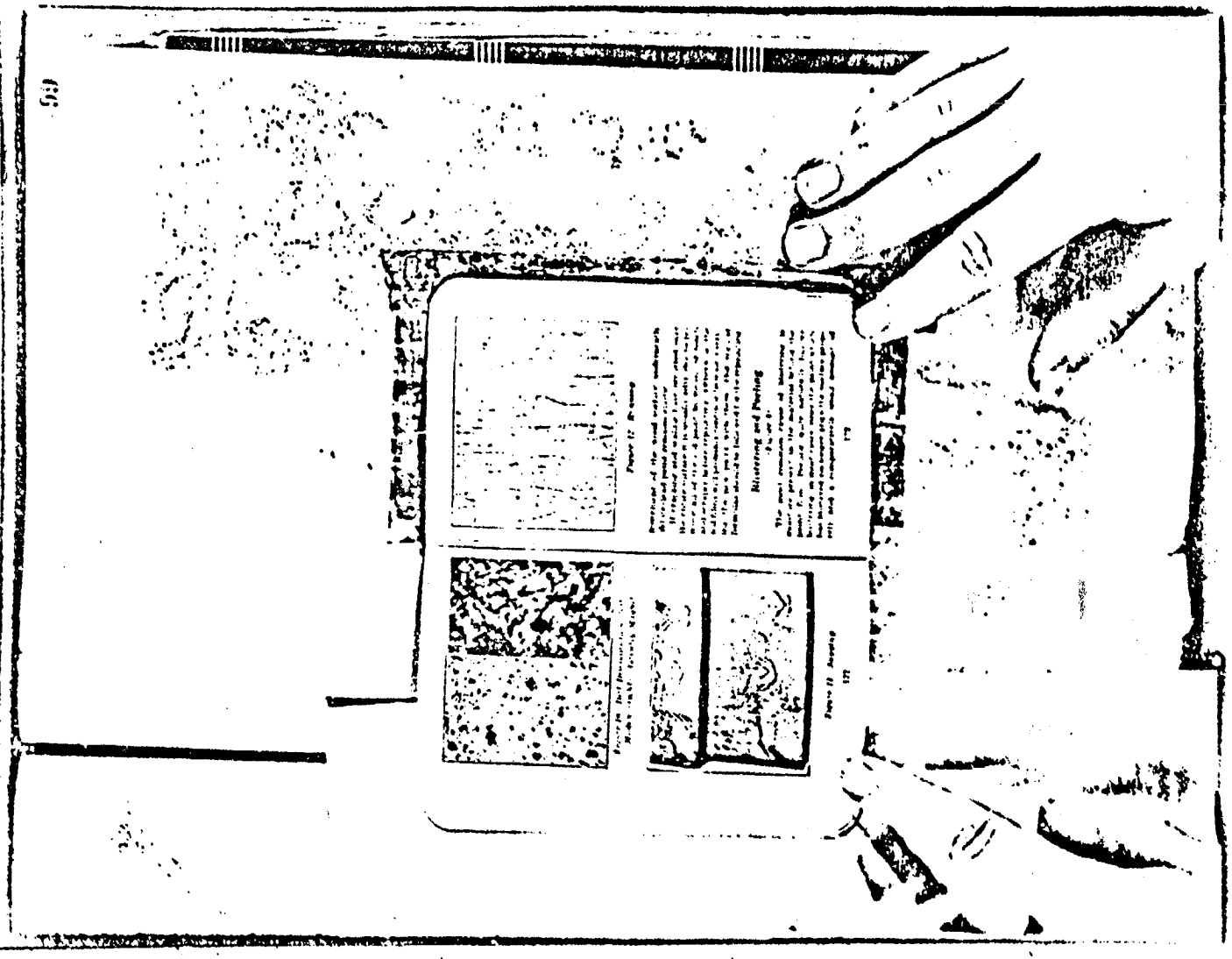
COMMON PAINTING DEFECTS THEIR CAUSE AND CURE

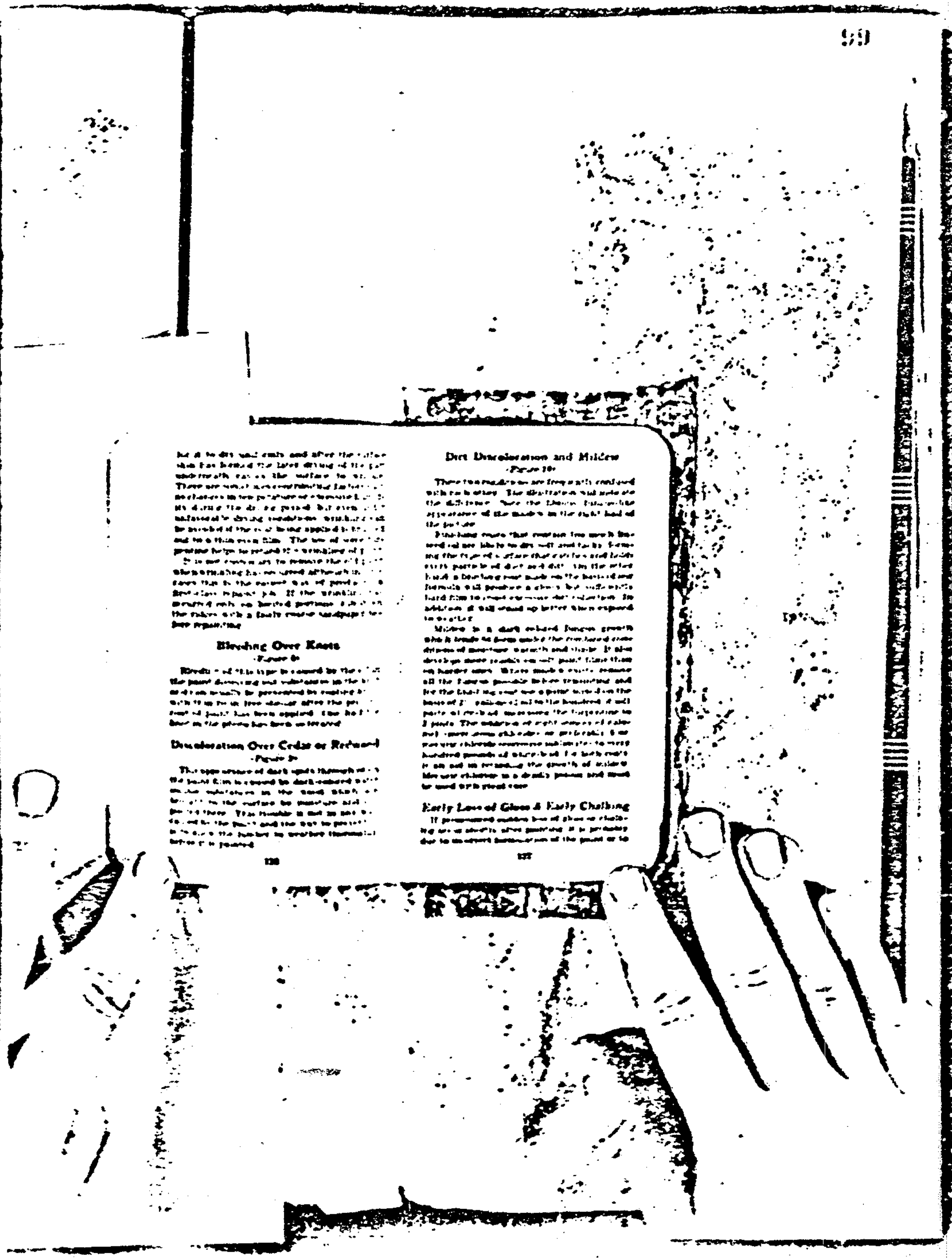
Checking











Dirt Discoloration and Mildew

(Figure 10)

Bleeding Over Knots

(Figure 8)

Discoloration Over Cedar or Redwood

(Figure 9)

Early Loss of Gloss & Early Chalking

136

137

Discoloration from Copper Sources

Running and Sagging

Figures 11 and 12

Department of Technical Paint Service and Decoration

If you have some special problem of a technical nature that is not answered in this book address it to the Department of Technical Paint Service and Decoration and it will receive prompt attention.

If you have some special problem in determining or rid of a color, be sure please send us your samples, the points that are listed below. This will aid us in our work in selecting suitable schemes of treatment for your specific problem which will be furnished free of charge. We supply with samples of the colors recommended and the formulas required to produce them.

The more information given regarding any problem the more complete will be the answer concerning it. If blue prints or photographs of the interior or exterior in question are available these should be forwarded.

Exterior

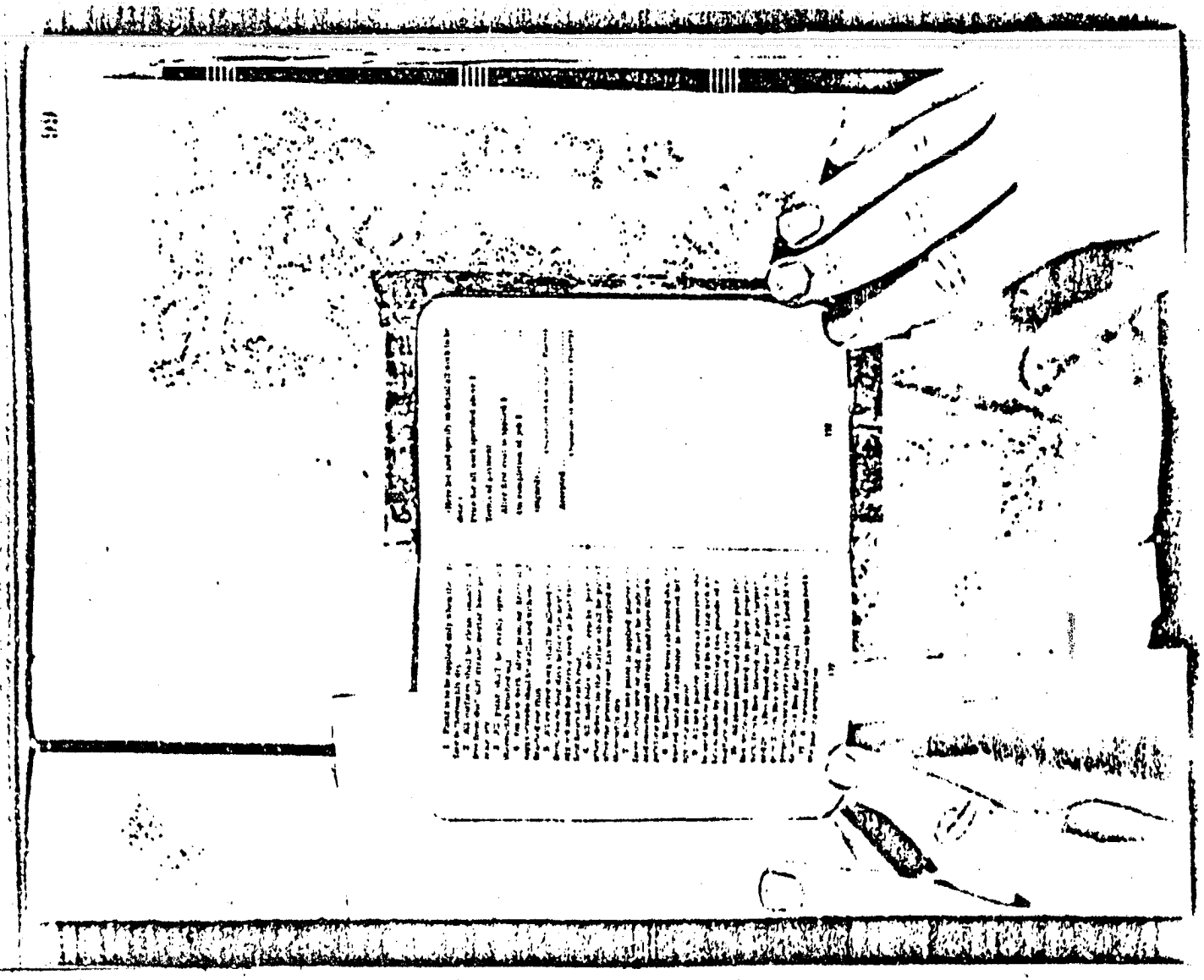
If you desire a color scheme for the exterior of a building, please give us the information requested below:

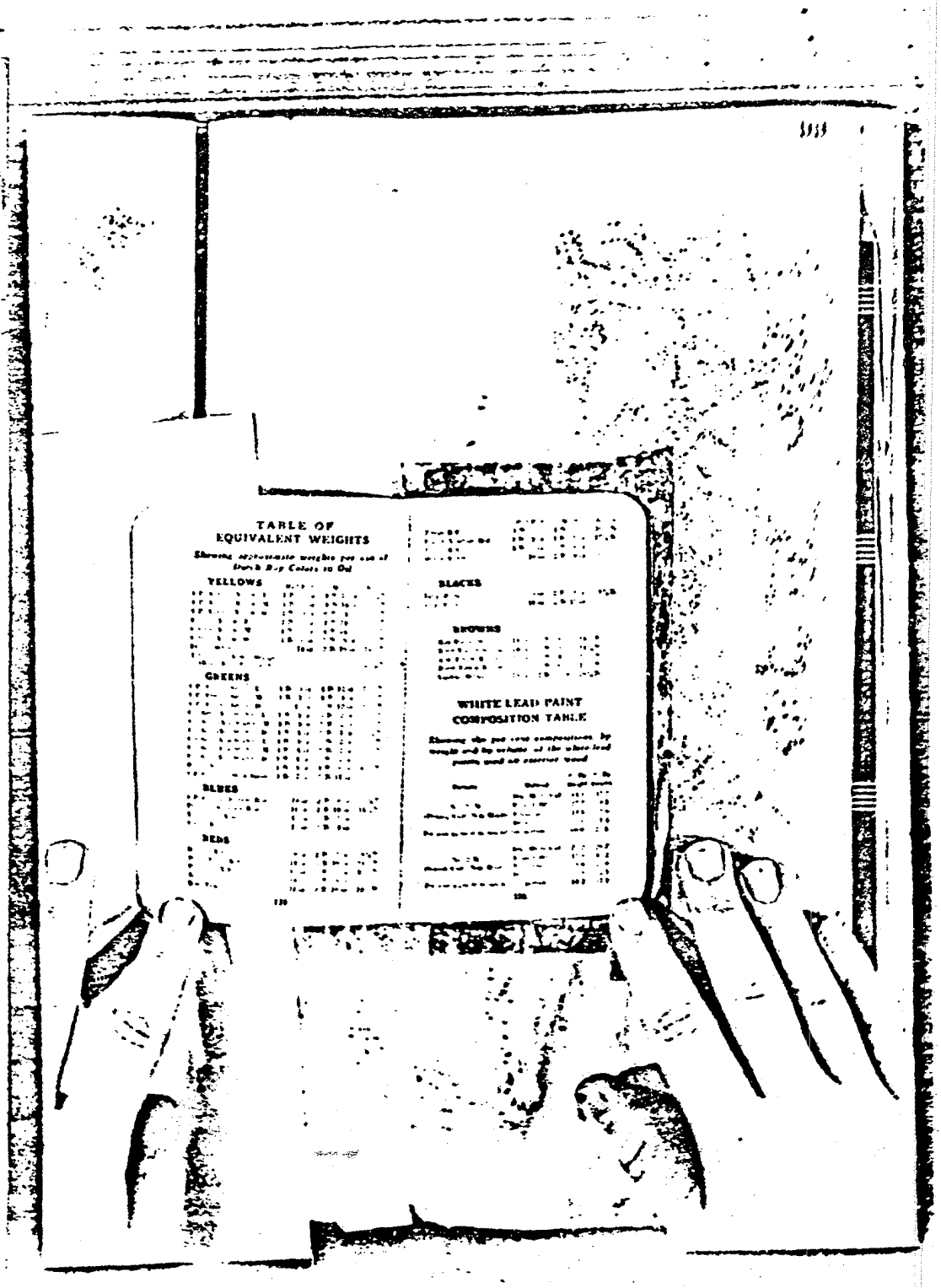
1. Type of building
2. In what direction does it face?
3. Give approximate size of building including width, depth and number of stories.
4. Of what material are the outside walls constructed?
5. Are they painted stained or natural and what is the present color?
6. Of what material is the roof composed?
7. Is it painted stained or natural and what is the present color?

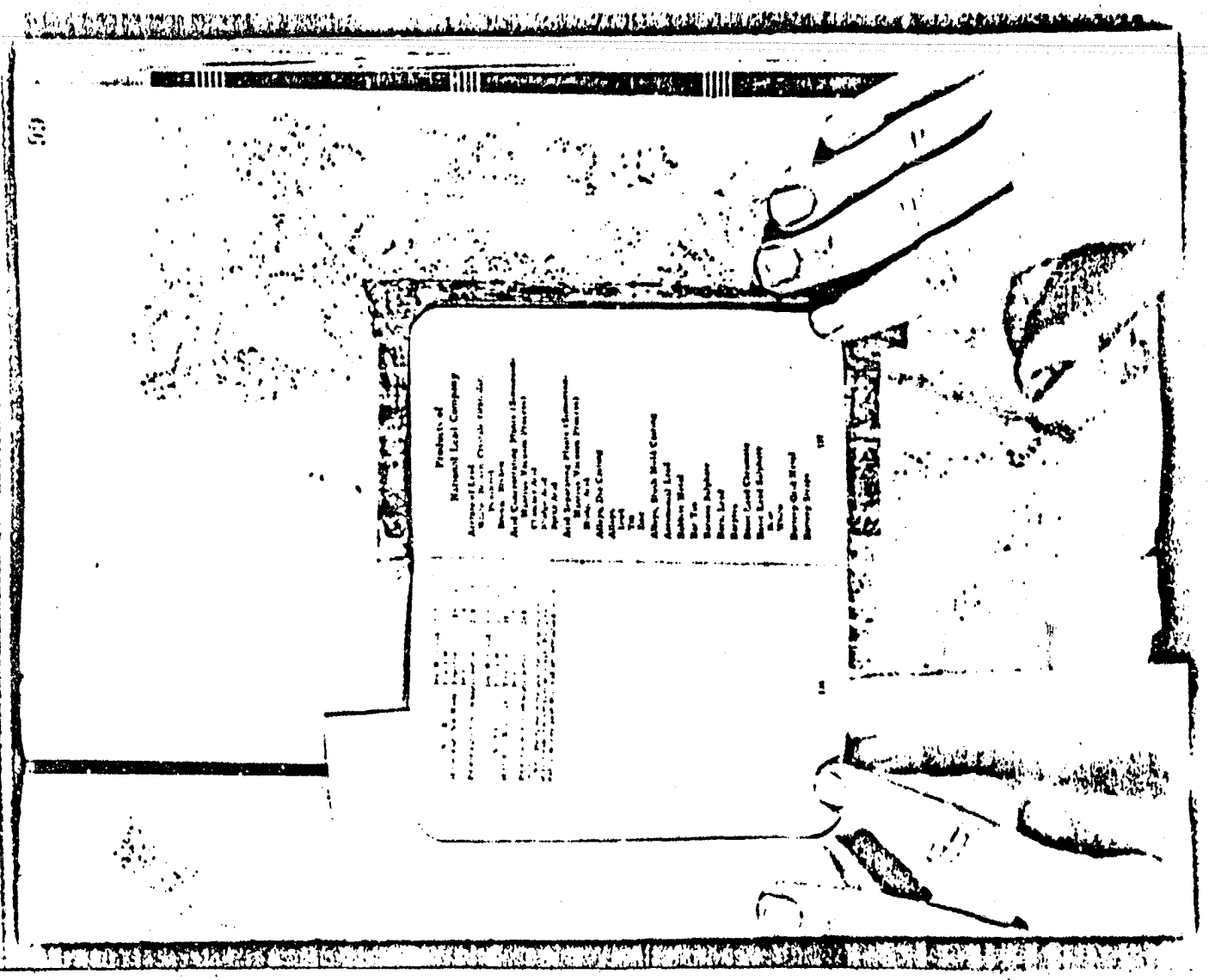
Hotels, Public Buildings, etc.

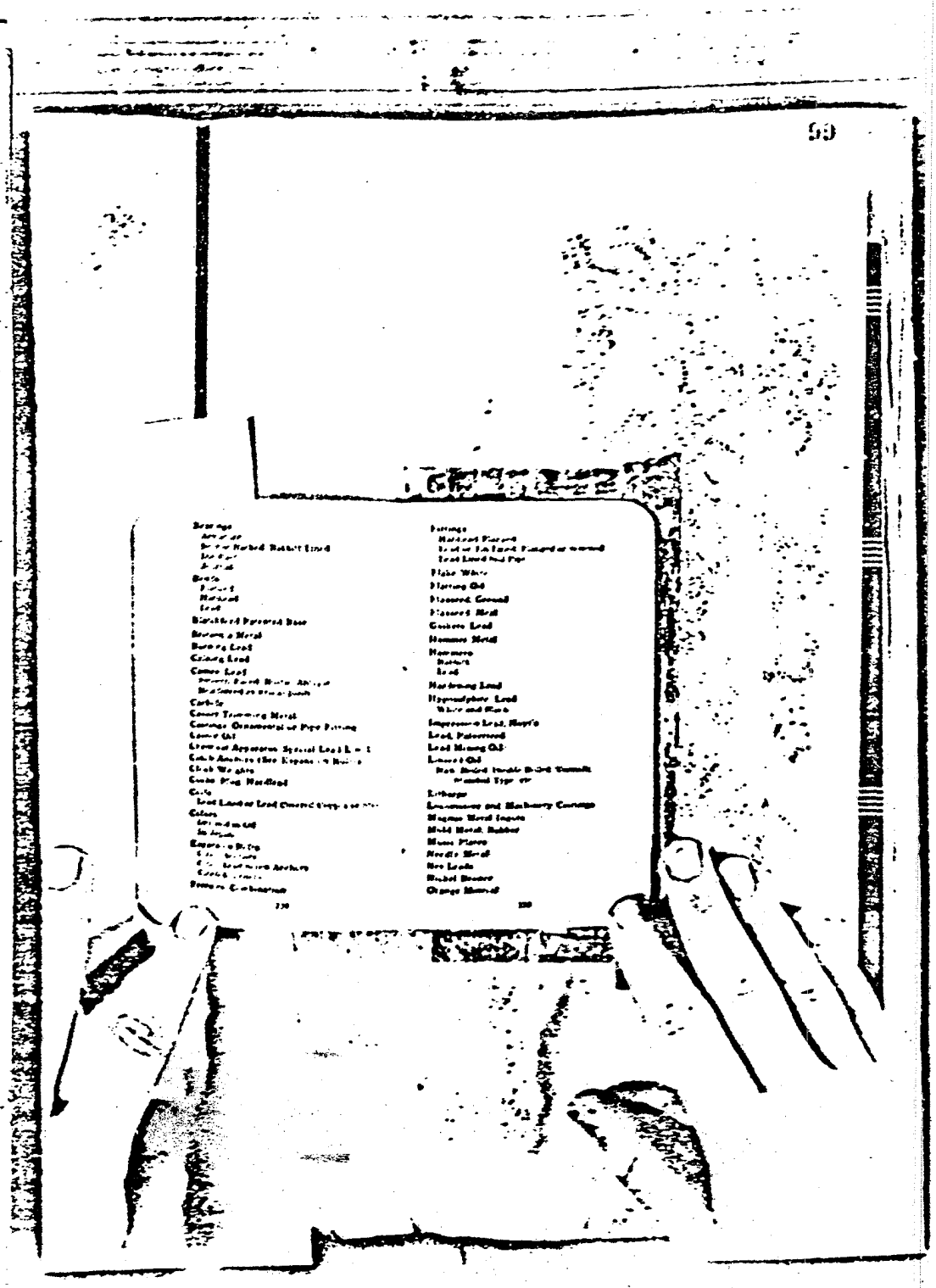
Special Hospital Service

Painting Contract Form





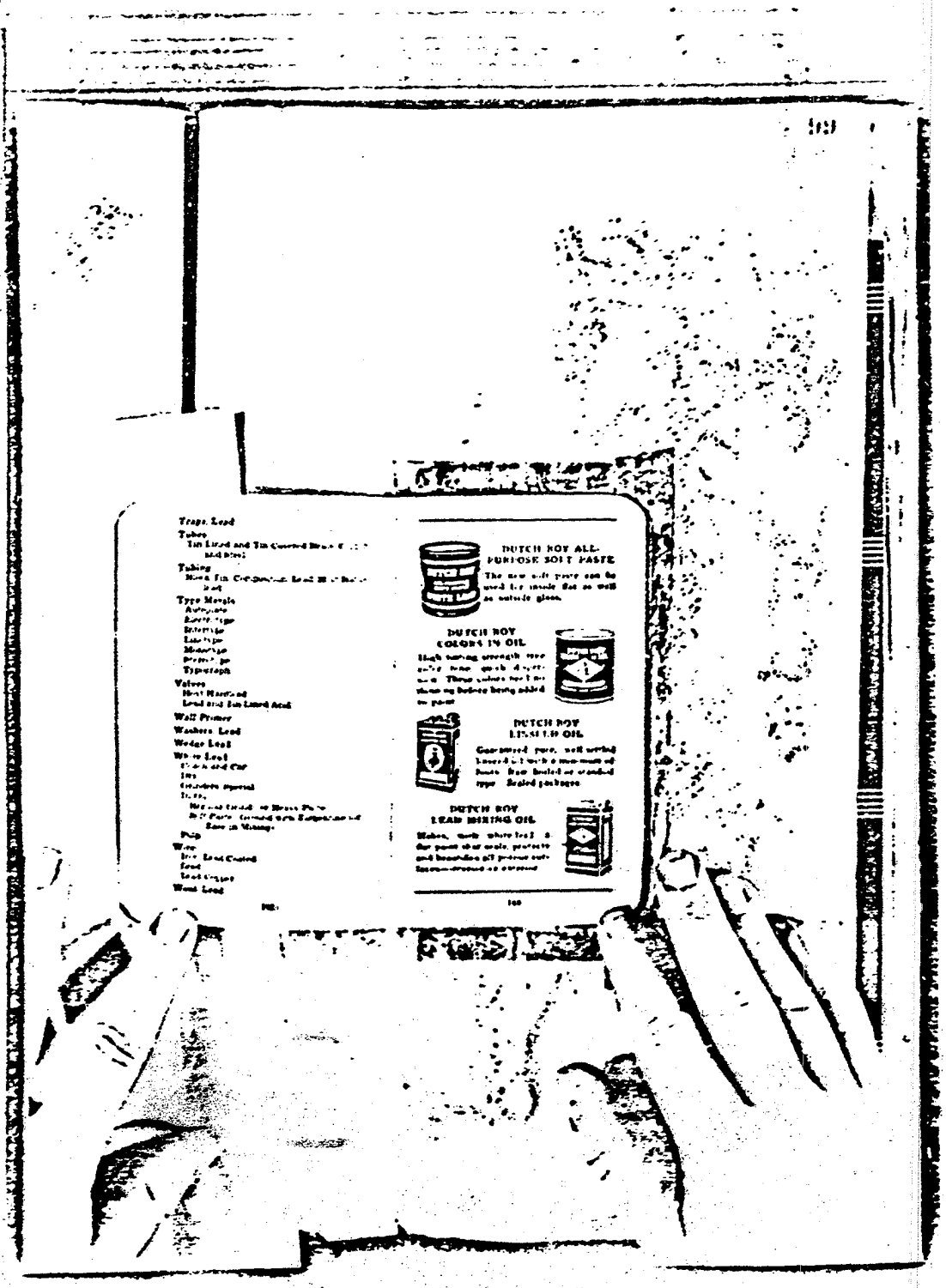


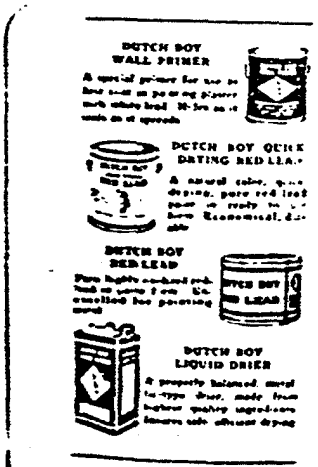


Organ Pipe Metal
Ornaments, Lead
Pewter
Phosphor Bronze Castings
Phosphor Tin
Pig Lead
Pig Tin
Pinking Blocks
Pipe
  Block Tin
  Brass Lined and Copper Lined Steel
  Lead (Antimonial Chemical Common, Tellurium Composition)
  Lead Tin Lined
  Lead or Tin Lined Brass, Copper or Steel
  Lead or Tin Covered Brass, Copper or Steel
  Tin, Lead Lined
Printers' Metals (See Type Metals)
Pumps
  Hardened Centrifugal Acid
  Tin Lined Hardened Centrifugal Acid
Red Lead
  Ground in Oil
  Liquid
    Pure Red-Lead in Brads to Do Paint in Colours
Reading Shoes, Hoyt Hardhead
Rock Weights, Lead
Rotten Stone Trap
Shoe Reading Metal, Hoyt Hardhead
Shot Lead
  Mixed and Premium, Chemical, Chilled Tempered
Sheet Tin

Solder
  Lead Free
  Tin All Same
  Solder Bar
  Solder Bar and Wire
  Spelter
  Spelter Alloy
  Zinc
  Galvanized
  Stainless Bar
  Stainless Tape
  Stainless Wire
  Stainless Acid Steel
  Steel
  Steel
  Titanium Bar
  Triangular Bar
  Tube
Stamps
Stamping Metal
Tanks, Homogeneous Lead or Tin Lined
Tank Connections, Lead Lined and Covered
Tape, Lead
Tellurium Lead
Tin Bars
Tin Wire
Tin Plates
Tinsnes A (Tinsnes Grade)
Tinsnes B
Tinsnes C
Tinsnes L (Lead Tinsnes)
Tinsnes M

00057





The Handbook on Passing
MEMORANDA

The Handbook on Passing
MEMORANDA

The Handbook on Painting

MEMORANDA

INDEX