

# The TRUTH about HOUSE PAINT



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#736

THE FIRST PART OF THE PAINT PICTURE IS

# -YOUR HOUSE

...THE BETTER YOU UNDERSTAND ITS SURFACE NEEDS—THE BETTER CHANCE YOU'LL HAVE TO GET A GOOD PAINT JOB

• Weather has been doing things to the outside of your house. Sun, rain and wind have made inroads to cause the fading, roughening and discoloration of the paint that made your home so attractive when it was new.

Naturally this would cause you much concern. Probably you already have detected evidence of serious trouble to come unless prompt action is taken to renew the protection that the old coating is failing to provide.

Fortunately, painting no longer is something to dread and to postpone. New, improved house paint helps your painter to accomplish amazing transformations even with older homes where neglected painting has resulted in excessive weathering.

Yes, with improved house paint, your painter not only can restore that all-important home of yours to its original attractiveness—he can assure you that this beauty will last longer by using house paint that is "fortified" against atmospheric discoloration—house paint that can be washed clean because it does not roughen with weathering.

To tell you how this is accomplished — that is what Sherwin-Williams hope to do in this book so that you may know *The Truth about House Paint*



HERE'S THE TRUTH ABOUT PAINTS FOR YOUR HOUSE

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**BEFORE:** 16 years without painting--required new siding patches, burn-off areas. Paint rough and cracking.



**AFTER:** One coat of SWP Undercoater No. 450 produced a uniform smooth foundation coat over this variegated surface and made a superior SWP paint job possible.



**BEFORE:** A nearby railroad deposits a dingy grime of soot which mars the appearance of this attractive home.



**AFTER:** Styling this home with SWP Modern Brown was entirely successful and now it will not show the effects of soot.



**BEFORE:** This shingle house was neglected for several years after painting with a hard-drying paint which cracked badly--making a difficult surface to paint properly.



**AFTER:** See what two coats of SWP accomplished over this weather-worn surface--a rejuvenated house at the cost of only a paint job!

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# WHAT IS A GOOD HOUSE PAINT?

## HANDSOME IS—AS HANDSOME DOES!

But how can the home owner know what to look for in good paint? Of course good paint requires best quality ingredients—but what shall these ingredients be? Is there a difference in the wearing qualities of house paints made with different kinds of paint pigments? Are there differences in "pure linseed oil?"

For many years, the pigment in most common use for making house paint has been white lead—the liquid, raw linseed oil—making the familiar "lead-and-oil" paint. These two ingredients, properly mixed and applied by a skilled painter can protect a house very well.

But what does science have to say about newer ingredients developed in recent years?

As with all other modern finishes, we find that paint science has been able to improve house paint, too, so as to overcome the shortcomings of lead-and-oil paint, to retain its many good qualities and to add to it certain much desired improvements—such as a finish that retains its smoothness with weathering so that it is completely washable—is free from objectionable spotty chalking and which has the ability to resist atmospheric discoloration.

As you read further, you will learn how these improvements have been brought about—the part that each kind of pigment plays, etc.

Painting conditions are making greater de-

mands upon house paint, today. There are more houses where painting has been neglected so that they now are difficult to paint properly. Ordinary paints cannot meet the problem—stronger hiding pigments are required, more power to seal and "uniform" these porous, weathered boards.

Painters are demanding, therefore, that good paint make it easier to give their customers good looking paint jobs over these weathered houses, as well as over normal re-paint surfaces and on new houses.

Good paint should come to the user as a finished product, ready to use. There was a time when your painter felt that he gave you the best house paint when he mixed it himself from the ingredients we have mentioned.

But, as new pigments were discovered and new methods for refining the oil, compounding these special ingredients became too complicated for hand mixing. Exact laboratory control is required. • Sherwin-Williams quality means that all principal ingredients are made in Sherwin-Williams plants or to their specification—exactly suited to be used in SWP House Paint.



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## POOR PAINT IS AS DANGEROUS AS NO PAINT AT ALL!

• Many people are under the impression that one paint is about as good as another and that if they can pick up one at a cheaper price than another, they're money ahead. Of course this is not true, but here's what never occurs to folks—until it's too late:

The biggest cost in pointing a house goes for labor—not paint. And it frequently costs more to apply cheap paint than good paint. It doesn't go as far—hence the painter has to brush on more gallons. It

doesn't hide the old surface as well and the painter must use up more time attempting to make a presentable job.

Nor is this all—many of these paints

last little more than a year or two, developing into a scabby, cracked surface with no protective value.

Then your painter is compelled to tell you that there is no remedy but an expensive burn-off job to remove the faulty material. No paint can adhere to such a scaly surface. So, whenever you're tempted to experiment with a "low-price-per-gallon" paint, ask yourself these questions:

1. After all, how much actual money would I save on the whole job?
2. Is it worth the risk of paint cracking and spoiling the looks of the house?
3. Where would the saving be if I have to re-paint sooner, or if I have to go to the extra expense of taking the faulty paint off before I can apply new paint?

PICTURE OF A POOR  
PAINT JOB

## GOOD PAINT COSTS NOTHING...

*an Old Proverb*

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# THE STORY OF SWP HOUSE PAINT

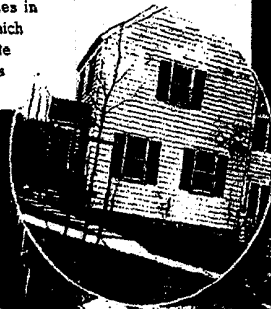
● For 60 years the history of SWP has been one of gradual, but steady improvement. But, in reality, SWP is not 60 years old—but rather 60 years young because of the way Sherwin-Williams keep it up-to-date with every improvement known to paint science to give it lasting beauty, greater endurance and ability to protect your house from weather.

We have said that there is a difference in the wearing qualities of paints made with different pigments. The reason is found in the chemical reactions which take place between these various pigments and linseed oil. And, we should say, too, that various ways for aging and refining the linseed oil now are known to have fully as great a bearing as the pigments upon the life of the house paint.

In making SWP we start with the white lead carbonate used in making lead-and-oil paint because it has many excellent qualities:

1. It protects the surface well
2. It has strong adhesion to the surface
3. It does not crack in weathering
4. Painters like its easy brushability

But for many years painters have sought for ways to overcome the objectionable spotty chalking of white lead paint and they have wanted to give it better resistance to the sulphur fumes in the air which cause white lead paints



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to turn gray and lose their attractive appearance long before the paint actually has worn out.

Zinc oxide was one of the first pigments added to white lead for this purpose. But while it did make a smoother, harder paint, with less chalking than lead-and-oil paint, there was the tendency towards brittleness that frequently resulted in the paint cracking.

How to overcome this? Sherwin-Williams has done it with a revolutionary pigment called "OZLO" lead-zinc, made from the original ores in Sherwin-Williams own smelters. In making OZLO, basic lead sulphate and zinc oxide are fused together under terrific heat—not a mere mechanical mixture, but an intimate physical union of the two metallic pigments—impossible to achieve by any mechanical mixing or grinding operation—so that OZLO possesses the virtues of both white lead and zinc oxide.

This pigment serves to "alloy" white lead in

much the same manner as alloying metals are added to steel to make it stainless or harder for special purposes.

OZLO lead-zinc pigment adds smoothness to white lead paint—also stronger hiding power, and resistance to atmospheric discoloration.

Then—we go a step further—titanium-magnesium is added. Titanium dioxide is the strongest hiding white pigment available to paint science and, combined with magnesium, it makes a more durable paint than when used alone. It adds greatly to the hiding power of SWP and, because it is not affected at all by discoloring fumes, it gives SWP still greater resistance to the fumes that turn unfertilized white lead paints gray.

The pigments and the colors in paint are vitally important, but so is the vehicle. That is why Sherwin-Williams make their own linseed oil—select choice flaxseed, crush it in their own mills, age, refine and treat the oil so as to make it best suited for use in SWP.

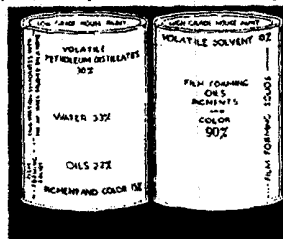
## WHAT MAKES CHEAP PAINT COSTLY?

● Do you know that the liquid or "vehicle" content of many cheap paints has been found to amount to as much as 33½% ordinary hydrant water, plus 30% of petroleum distillates (gasoline). Some cheap paints actually contain as little as 37% of film-forming pigments and oils.

Imagine paying even "cheap" paint prices (\$1 to \$2 per gallon) for two-thirds of a gallon of gasoline and water! What's cheap about that? Particularly in view of the fact that the small amount of film-form-

ing materials contained in such paints is usually composed of cheap pigments.

Now compare what you get in these cheap, watered paints with what you get in a quality house paint like SWP. It is easy to understand, now, why cheap paint films soon break down—crack, peel, chip, chalk and wash away.



These illustrations are reproduced exactly from a diagram issued by the Educational Bureau of the American Paint and Varnish Manufacturers Ass'n, Washington, D. C.

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# SWP RESISTS ATMOSPHERIC DISCOLORATION

• Haven't you often wondered why some freshly painted white houses turn gray in a very short time while others seem to keep their fresh appearance indefinitely? Possibly you just assumed that some neighborhoods must be dirtier than others and that the houses suffered accordingly.

But, chances are in many cases, that dirt wasn't entirely to blame. Probably the trouble struck deeper and atmospheric discoloration was taking place.

Paints in which the white lead is not fortified are particularly sensitive to the sulphur fumes present in the air in practically every community and this causes them to turn gray --they cannot be washed clean again. By fortifying the white lead in SWP with OZLO lead-zinc and titanium-magnesium SWP is given great resistance to these fumes. This is doubly important because dirt washes easily from SWP so that, free from discoloration, the house looks almost as if newly painted.

There are some communities in various parts of the country --near oil fields and certain industrial plants--where these fume conditions are so excessive that they attack any paint containing white lead. Special SWP Fume Resisting White No. 436, has been provided for these localities.



This house is painted with a 2 d. atmospheric discoloration. Atmospheric discoloration is not a problem on paint gray or white.



Your house is protected from SWP Undercoat No. 436. It will wash easily as this one.

# SWP IS WASHABLE!

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# FACTS THAT ARE FACTORS IN SWP LEADERSHIP



## EXPERIENCE

72 years making quality paints has built a fund of knowledge which is of great benefit to Sherwin-Williams customers. It provides safer-to-use paints to meet your climate conditions—wherever you live. It puts greatest serviceability into SWP for greatest value and satisfaction.



## RESEARCH

Year in and year out S-W chemists must continue to test countless formula variations in the laboratory on test fences and under actual service conditions on homes. That is how the famous "balanced formula" of SWP was created years ago and that is how we continue to keep SWP up-to-date.



## MANUFACTURING

The principal ingredients in SWP are finished products made in their own Sherwin-Williams factory under control of its own staff of chemists—men who make a life study of paint chemistry and take pride in the perfection of their product made especially for use in SWP House Paint.



## ALLOYING PIGMENTS

In stainless steel "alloying metal" protects regular steel from discoloring acids. OZLO lead-zinc and titanium-magnesium are the "alloying pigments" which protect the white lead in SWP from atmospheric discoloration. In OZLO, lead and zinc pigments are fused into a pigment under high heat in Sherwin-Williams smelters.



## COLORS

Most of the chemical colors reds, yellows, greens, blues—used in SWP are made in Sherwin-Williams own color works. Natural earth colors are selected with greatest care and must meet rigid standards. That's why SWP colors are so soft and rich, so pleasing and enduring.



## HIDING POWER

Dingy old surfaces are easier to hide with SWP tints because they are strengthened with OZLO and titanium-magnesium pigments. Weak covering paints never look clean because they do not hide the old surface completely as SWP does. The strong hiding power of SWP also makes it go further.



## WASHABILITY

Every pigment reacts differently with linseed oil and weathers in a different way. Excessive chalking, roughening and cracking are faults avoided in SWP by its 3-pigment blend. SWP does not roughen with weathering. Dirt cannot penetrate its smooth, tight surface.



## ATMOSPHERIC DISCOLORATION

In most neighborhoods, the added protection afforded by OZLO and titanium-magnesium keeps SWP safe from the fumes that discolor so many other paints. In severe exposures near oil fields and certain industrial plants, SWP Fume Resisting White should be used for best results.

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DID YOU KNOW THAT MORE  
HOMES ARE PAINTED WITH  
SHERWIN-WILLIAMS THAN  
WITH ANY OTHER BRAND

THE OLD BLOUNT MANSION, HOME OF THE FIRST  
GOVERNOR OF TENNESSEE

RESIDENCE OF MR. MYRON TAYLOR

HOME OF ADMIRAL FARRAGUT, KNOXVILLE, TENN.  
CIVIL WAR HERO

HOME OF THE LATE COL. L. W. TYSON, KNOXVILLE  
U. S. SENATOR FROM TENNESSEE

RESIDENCE OF MR. THOS. E. HOGG, SAN ANTONIO, TEX.

HOME OF

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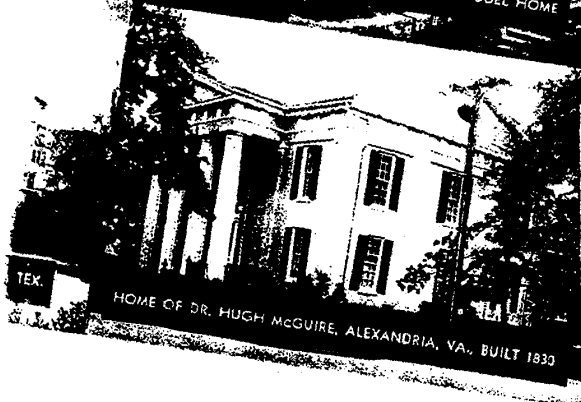
RESIDENCE OF MR. MILTON HERSHEY, HERSHEY, PA.



HOME OF EDW. WILSON, THE ARTIST, AT TRURO, CAPE COD, MASS.  
FROM A SKETCH BY MR. WILSON FOR THE S-W HOME DECORATOR



HOUSE AND GARDEN MAGAZINE MODEL HOME



HOME OF DR. HUGH MCGUIRE, ALEXANDRIA, VA., BUILT 1830

## The TWO STEPS to a BEAUTIFUL HOUSE PAINT JOB

Follow these two steps when your house needs painting. They give the best-looking, longest-lasting house paint jobs—and lowest-cost paint protection.

- 1 Begin with a coat of SWP Undercoater No. 450. It smooths, seals and hides—"uniforms" the surface . . . forms a perfect foundation for the finish coat that follows.
- 2 SWP House Paint over SWP Undercoater No. 450 . . . it's a combination you can't beat for beauty, wearability and protection.

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## SHERWIN-WILLIAMS ANNOUNCES SWP UNDERCOATER NO. 450

● Houses do not weather evenly all over because the parts exposed more to sun and rain become very porous and rough while other parts which are more or less protected by the porch roof, cornices, etc. are likely to remain hard, smooth and, frequently quite glossy. These extreme variations are particularly noticeable where houses have gone too long without painting.

Experienced painters endeavor to "uniform" such unequal conditions by adding more oil or more turpentine to their priming coat, as needed. They know that too glossy a foundation makes the next coat "crawl" while too little "tightness" robs it of oil so that spotty drying results and the paint weathers quickly.

In other words, it is not enough just to use good materials. The skill and judgment of a good painter are equally as important.

But there are natural limitations as to what a painter can do with ordinary paints and Sherwin-Williams paint

chemists worked for years to solve the problem which now is overcome with SWP Undercoater.

Neglected, badly weathered houses constitute the painter's toughest problem. They are rough as well as exceedingly porous—and not always can the owner afford to burn off the old paint as should be done. Here's why SWP Undercoater is able to produce so fine a finish over these difficult surfaces:

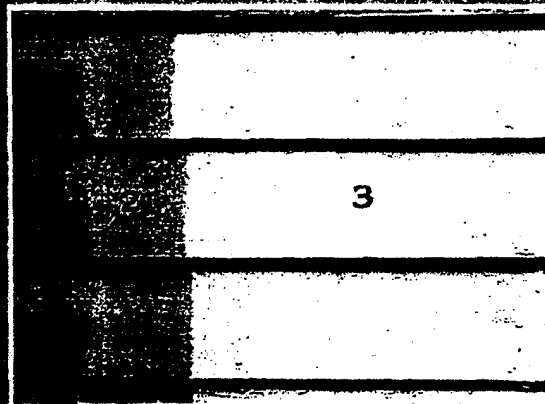
It is made with a blend of "dual-purpose" linseed oils—refined oil to "satisfy" the porous wood and processed oil to seal tight and "hold out" the finish coat. Its greater concentration of strong-hiding SWP pigments makes it possible for your painter to hide the most dingy weathered surface and get a firm, smooth, foundation in one coat.

SWP Undercoater comes prepared ready to use on both porous and non-porous surfaces without special thinning except in certain cases where the addition of a small amount of linseed oil is recommended (directions are on the label.)

**NOW—  
EVEN BETTER SWP HOUSE PAINT JOBS!**

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## DO THIS FIRST . . .

● If it has been 5 years or more since your house last was painted, it is probable that there may be places where the paint will be breaking away from the wood. Your painter will recommend removing all loose, broken paint either by burning off or by scraping and wire-brushing carefully. He will advise against applying new paint over loose scaling paint. Some sandpapering to smoothen the roughest spots may be advisable.

Then apply a coat of SWP Undercoater over the entire surface. It will seal the porous surface and produce a smooth, firm foundation because of its priming-sealing oils and its concentration of strong-hiding pigments. It will dry with a uniform dull sheen which "takes" the finishing coat well so as to make it easier for the painter to give you a handsome, full finish.

If the finish coat is to be one of the colors of SWP, the Undercoater should be tinted to a suitable foundation color using either S-W First Quality Oil Colors or one of the shades of SWP suggested on the label.

## DO THIS NEXT . . .

● SWP in White is at its very best over SWP Undercoater—pure white, lastingly attractive.

SWP in your favorite color, likewise is richer and most pleasing because of the ideal foundation given it by SWP Undercoater.

But whether it's white or a color, your painter finds it easier to produce the superior paint job you want—and it will give the utmost in service, too, because each paint is formulated to do its particular job superlatively well.

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# WHY?

## ARE MORE HOMES PAINTED WITH SWP THAN WITH ANY OTHER BRAND OF HOUSE PAINT?

• A simple question. And just as simply answered.

There's beauty, for example, smoothness, richness of finish—SWP has it plus. White, a true, lasting white, colors that are more pleasing and more enduring.

There's protection—SWP is the protector of your home, warding off the ever-present menace of deterioration and decay, saving you the trouble and expense of repairs.

And there's economy—SWP covers more surface per gallon than cheap paint, covers it better and wears

longer. And it's easier and quicker to apply than weak-hiding paints—cuts painting time and labor costs.

SWP is washable—you probably can save at least one re-painting and keep your house looking attractive all the time.

These are the features of SWP, advantages that give to every home owner each and everything he wants in fine house paint. No wonder—**MORE HOMES ARE PAINTED WITH SWP THAN WITH ANY OTHER BRAND OF HOUSE PAINT!**

## SWP HAS ALWAYS BEEN A LEADER!

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## FOR THE HOUSE THAT IS BRICK OR STUCCO

● Stucco houses, and many types of brick homes need painting, too—their style and architecture call for painting. Their porous surfaces absorb moisture, hold the dirt and get very grimy and streaked.

Many times moisture finds its way through the walls, spoiling interior furnishings, rotting out wooden timbers.

Sherwin-Williams Stucco and Concrete Paint seals brick, stucco and concrete—keeps rain out and keeps the inside of the house drier and more healthful.

Like famous SWP, Stucco and Con-

crete paint is made of ingredients that endure and keep their fresh attractive appearance in spite of storms and summer sun.

It is just as important to paint stucco and brick houses correctly as it is wooden houses—don't be misled by the apparent savings of cheap water paints—they cost money to apply, have little ability to withstand rain and weather, do not afford protection against moisture and leave an unsightly surface condition that may cost considerable before it is possible to repaint with a water-resisting oil paint.

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**For a GOOD PAINT  
JOB . . . . Hire a  
GOOD PAINTER**

• For a satisfactory, durable paint job there are two things of equal importance - a good house paint and a good painter. For even the finest house paint can be spoiled by improper use.

A reliable painting contractor is in business to stay - not like the "fly-by-night brush hand," here today and gone tomorrow. He stands back of his work - can be reached when wanted. He cannot afford to turn out slovenly workmanship - he has good equipment, without which good jobs are not possible. He hires capable workmen. Then, too, he carries insurance which protects you in case of accident to a workman or to your property.

You'll get the best results in painting your house when you follow this rule -

**hire a reliable painting contractor using  
Sherwin-Williams House Paint**

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## Says the SWP Painter "These things get my attention First!"

• A good painter is distinguished by his attention to the details that the home owner often knows nothing about. Like a trained detective, he must know where to look for the trouble spots and how to correct them.

The purpose for painting is two-fold, of course. We paint for both Beauty and Protection. But we achieve beauty only by protecting the building against the inroads of decay. Every time a danger signal is ignored by neglecting to putty an open joint or repair a leaking gutter or flashing, we pay the penalty sooner or later with an unsightly paint failure that in no way is the fault of the paint or a warped, split siding that is no fault of the wood.

Water is the unrelenting destroyer of every building material used in homes. It finds the tiniest opening or break in the protective coating. Sun and rain play a destructive bit of teamwork: Rain penetrates and swells wood, hot sun draws it out. Slowly but surely small openings grow larger. More and more water gets in. More and more the sun causes the wood to warp, shrink and split. Nails rust away you see houses with loose clapboards that's how it happens!

So take a close look at your own home without further delay. The suggestions illustrated here will help.

Places where the rain doesn't drain



### SASH

Unless painted, water seeps in, wood swells, windows stick, putty crumbles out, glass cracks and frames come apart. Always paint or oil bottoms of sash to prevent absorbing water from wet window sills.



### WINDOW FRAMES

Water often lodges on window sills, seeps into open joints causing warping, followed by shrinking and peeling of the paint. After the house has been primed, your painter should putty all open cracks carefully they must be made actually water tight.

### GUTTERS

Paint-neglected gutters and downspouts soon deteriorate and rust, costing money for repairs. Leaking gutters frequently are the cause of paint peeling and of damage inside the house where water gets in behind siding.



### FLASHINGS

Flashings require painting some as gutters—driving rains find smallest breaks in the metal when rust has opened the way. Keep water outside your house by painting these danger spots and you'll avoid much trouble, inconvenience and unnecessary repair bills.

### SHUTTERS

Remove the shutters to a safe, dry place, where they can be cleaned and placed for easiest work. All edges, tops and bottoms should be painted so that water cannot get into the wood and cause the paint peeling seen on so many shutters. Use S-W Trim-Brite Colors.



### PORCHES

Porch floors get extremely hard service water drains slowly, sun bakes and warps the wood, gritty dirt grinds down paint. Use Porch & Deck Paint for a smooth finish easy to clean, keeps dirt from tracking into the house—saves repair bills—tones up the appearance of the house.



## DOORS

Edges, tops and bottom of doors must be kept water tight with paint to prevent swelling, sticking, shrinking and paint peeling. A well painted door is easier to keep clean of finger marks. It adds distinction to the house.



## SCREENS

Scrub both the wire and frames in Spring. When dry paint frames with SWP and wire with Screen Enamel. Copper or bronze screens should be protected with S-W Rexpar Varnish thinned slightly. This minimizes corroding and staining the side of the house.

## SHINGLES

Regular painting with S-W Preservative Shingle stain keeps wood shingles indefinitely. It prevents warping, splitting and a well painted shingle roof is more resistant to fire hazards. Does not contaminate rain water when used as directed economical to use.



## STORM SASH

Along in August or September, take storm sash out of storage, wash and paint the frames with SWP using a S-W Sash Brush No. 403. This adds a fine, clean, trim color and protects the sash from swelling, sticking and coming apart at joints. Be sure to paint edges and replace all broken or crumbling putty. Do this painting early. Paint will dry harder and avoid sticking to window frames.



## BRICK



the interior more healthful by excluding dampness.

Brick and stucco houses are porous, absorb water and hold the dirt. Stucco and Concrete paint transforms dingy houses, brings out hidden attractiveness, keeps the surfaces dry and makes



## RAILINGS

SWP on porch railings and pillars makes them easy to wash—spruces up the porch and saves children's clothing. Work the paint into all cracks carefully and putty up tight. Look particularly to joints with posts and spindles—water enters here and causes paint peeling and wood decay.

away rapidly—widow sills, porch steps, airing porches, also get direct hot sun. Usually, cracks and open joints develop at these points. When water is able to penetrate, it loosens the paint so that it breaks away—sometimes as a blister, full of water.

**REMEDY:** When dried out, scrape away loose paint and work some SWP Undercoater well into the opening and then fill it level with good putty and protect the repair with SWP or S-W Porch and Deck Paint.

Metal flashings around doors, windows and where dormers, chimneys, porch roofs and eels join the house serve the purpose of deflecting water and driving rains so that it stays outside and does not get in behind the siding. Along with leaking gutters and valleys, defective or broken flashings cause by far the largest part of the paint peeling, rotting of structural wood and ruin of interior decorating and furnishings of homes. Painting cannot correct faulty construction or flashing. Neither is it safe to re-paint such a house until a good builder has overcome these defects.

**WHEN IN DOUBT,** call in both a carpenter and a good painter for consultation. They can advise you how to do the work most effectively and economically.

There are many small point touch-up jobs the home owner will want to do or supervise in between times of re-painting the house: the porch steps, the open airing porch, the railings, the shutters or blinds, the outside doors, the storm sash and the screens. Fastidious owners do these little jobs once a season and get a big kick out of the spick and span appearance they give the home. Truly, a beautifully painted home is the one where nothing is permitted to go "paint hungry."

## **HOW YOU CAN PAINT NOW-PAY MONTHLY**

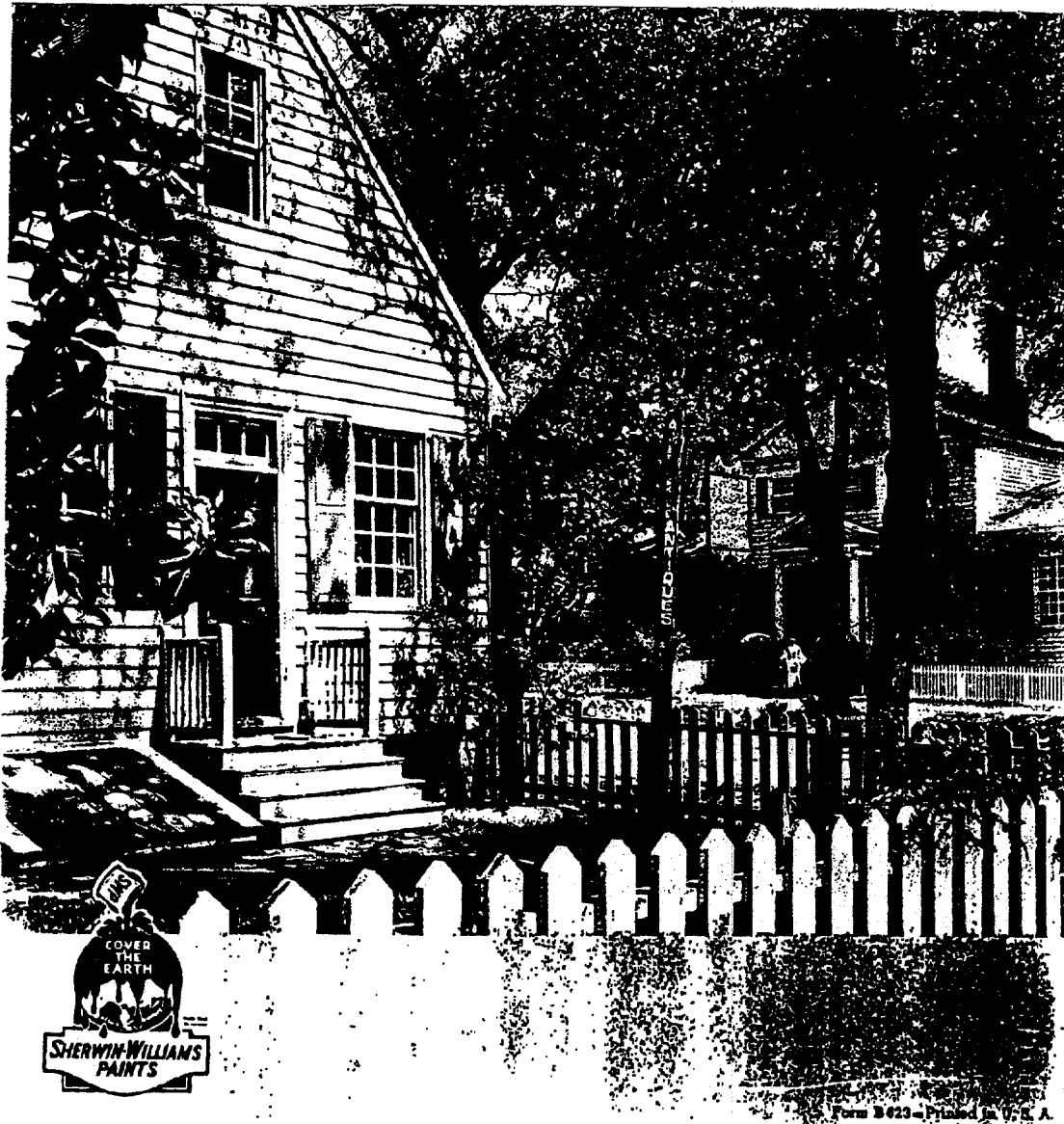
● Time was, not so long ago, when painting the house was an item of expense that required planning ahead to have the necessary money on hand to cover the contract cost. Now, the Sherwin-Williams Budget Payment Plan overcomes this hardship, makes it easy to pay for necessary painting out of income. No need to delay, to take chances on costly repair bills—you can PAINT NOW and pay for it by the month in 12 or 18 easy payments. No down payment is required—you pay nothing until 30 days after the work has been com-

pleted to your satisfaction—not before.

There's no fuss or red tape involved. All you have to do is to call or stop in at your Sherwin-Williams dealer's store. He'll help you with the simple routine arrangements and, if you wish, he'll suggest two or three reliable contractors to give you free painting estimates.

You'll be amazed at how easy and economical it is to get the finest paint job for your home with the help of your Sherwin-Williams dealer and the Sherwin-Williams Budget Payment Plan.

**DON'T DELAY-PAINT TODAY-PAY LATER  
USE THE SWP HOUSE PAINT BUDGET PAYMENT PLAN!**



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The **AMERICAN  
HOME**  
for June

15¢



*KITCHENS and  
an Ideal LAUNDRY*

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surface on which cheap paint had been applied after only 1½ years. In this case, the paint has cracked all the way down to the wood. Eventually, moisture will find its way behind the paint film, and the paint will begin to scale. The cause of this paint failure is a paint that is too brittle. Lack of elasticity in the paint film makes this fault inevitable, because the paint film should stretch and contract with the movement of the wood. Here a slight saving was effected by the use of cheap paint, but the owner will have to remove all the paint down to the bare wood and start all over again. Another failure that looks much the same as cracking is alligatoring. This fault is not so serious, however, because it affects only the first layer of paint. It sometimes happens when the coat beneath is softer than the succeeding coat, because the former has not had sufficient time to dry or because more oil was used in it than in the succeeding coat. It is not always necessary to remove paint when this fault occurs, but the surface should be sanded thoroughly or the pattern will be visible under the new coat.

The top photograph on page 67 shows a paint that has chalked excessively. All paint should chalk to some extent as time goes on, but it should not occur for at least a year after the paint has been applied, and then it should not be as excessive as it is in this case. Paint that chalks excessively was probably applied too thin or applied during damp weather.

Blistering, shown in the bottom photograph on page 67, will occur when paint is applied to a surface that is wet. The presence of water prevents the paint from gripping the surface properly. The solution to this problem is, of course, to be certain that any surface you are painting is thoroughly dry before applying paint in any form.

Tackiness and slow drying may occur when paint has been used with a low-quality vehicle, or with insufficient driers. Good paints always will dry eventually, but inferior paints may never dry, in which case all the paint will have to be removed before any repainting is done.

If paint wrinkles, it probably has been applied too thick. The remedy is to use thinner paint and brush it on well. In extreme cases, paint that has wrinkled may have to be removed. Usually, though, a thorough sanding of the surface will suffice.

#### TOOLS AND EQUIPMENT

When you have bought your paint, consider the brushes you will need. If you are going to work alone, one good 1½" brush and one sash tool to cut round glass and other areas of that kind, will be sufficient. You will also need some other equipment, such as an extension ladder, which often may be rented, a stepdunker, mixing buckets, stirring paddles and hooks. The latter may be made by bending a stiff piece of wire into an "S" shape; they will come in handy because you can hang

one loop of the "S" over the rung of the ladder and use the other to hold the ball of the bucket.

#### PREPARING THE SURFACE

To prepare the surface, you will need a putty knife, a scraping knife, a dusting brush, putty, sandpaper and, possibly, a blowtorch or paint remover. Sometimes it may be found that some surfaces are in good condition and others show paint failures. Chemical paint removers may be used to take off the paint in the bad spots. Apply the liquid with an old brush. This will cause the film to bubble up and lose adhesion, so that it may be scraped off with a scraping knife.

When you have taken off all paint that has failed, go over the entire house with No. 1½ or 2 sandpaper to remove rough spots and dirt. As you go along, dust the surface with your dust brush and putty all holes or cracks with a good grade of white lead putty. This preparation means a lot of work, but you will be rewarded when the paint finally is applied. In areas where paint has been removed to the bare wood, a prime coat will be necessary. This coat will be of a different formula than the final coat or coats. Your paint store will be able to supply you with a primer, if you are using ready-mixed paint.

#### APPLYING THE PAINT

The rest of the job is fairly simple; it is just a matter of applying the paint. Many amateurs have a way of dipping the brush into the paint so that the metal binding at the top of the brush, and half or all the handle, is covered with paint. It is better to cover about half of the bristles with paint, apply it on a handy-sized area and then, without using further paint, brush it out. This will spread the paint evenly over the surface. After brushing out the paint, go over it still another time to remove brush marks. Start at one side and keep the brush moving in one direction until you have reached the end of the freshly painted area. In the center of a large surface, brush from the freshly painted area toward that already finished, gradually lifting the brush from the surface. This will cause the paint to flow together, and overlaps will not be noticeable. Pay particular attention to places where there are joints, such as around sash or where clapboards meet, and work in plenty of paint with your brush so that all surfaces involved are covered. However, do not forget to brush paint out here as elsewhere, or the paint may flow out of the cracks and unsightly runs will appear. Paint in cracks will be good insurance against the entry of any water behind the paint film.

It is easier to use good paint and easier to apply it on a smooth, clean surface, so don't be lured by a low price when buying your paint. And don't paint your house the "easy" way—over dirt and tough spots. If you do, paint failures almost surely will follow, and this means more expense and more work for you.

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## An Editorial

BY WILLIAM E. LAYTON, Executive Vice President, American Chemical Society.

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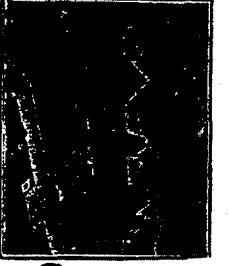
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Group of men in suits, likely executives or officials associated with the company.

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