Athey

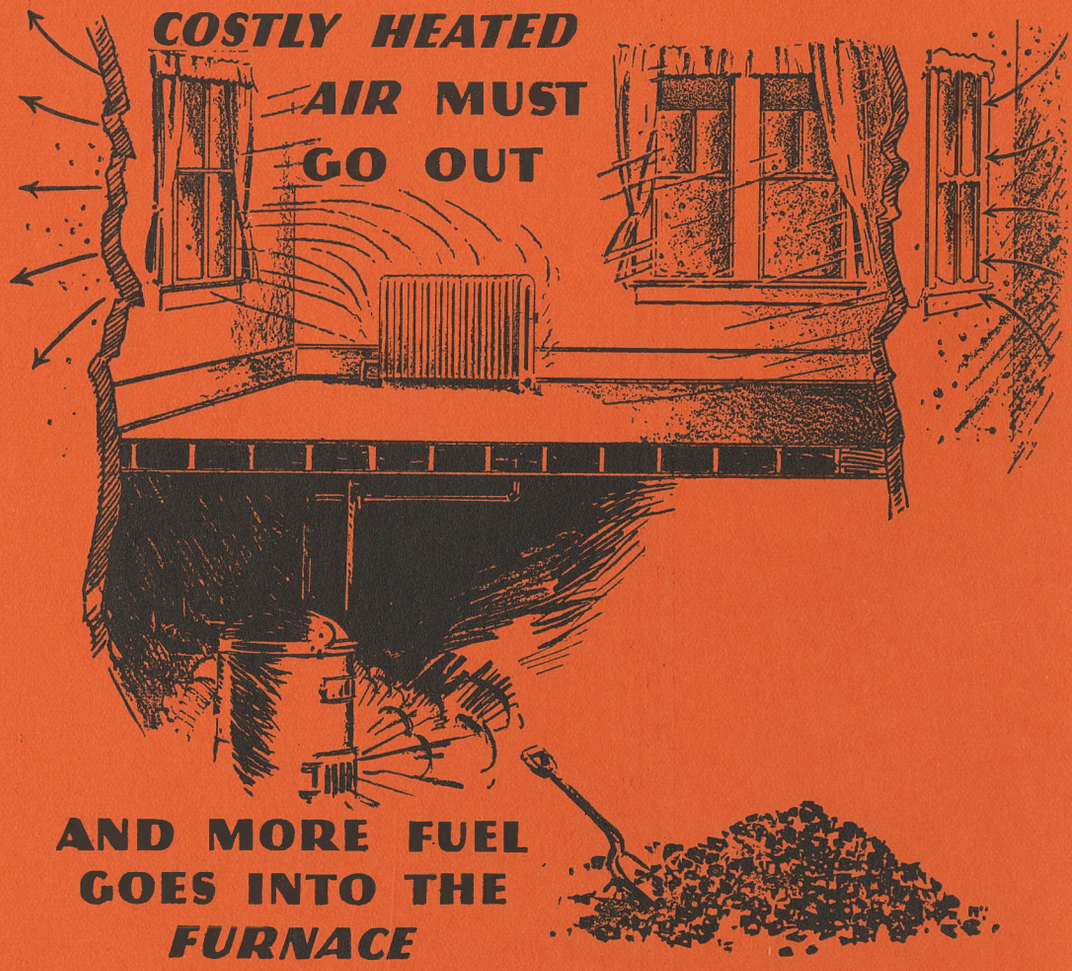
WEATHER STRIP

CLOTH-LINED METAL
THE PERFECT
COMBINATION

ATHEY COMPANY CHICAGO

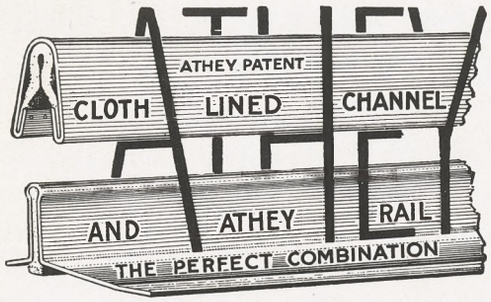
SEALED DOORS AND WINDOWS ARE NECESSARY FOR AN ECONOMICALLY MAINTAINED AND HEALTHFUL HOME

WHEN COLD AIR ENTERS
COSTLY HEATED
***AIR* MUST**
GO OUT



AND MORE FUEL
GOES INTO THE
FURNACE

Winter and Summer with Any Type of Heating Plant or Air Conditioning System, Loose Doors and Windows Cost You Money, Discomfort, and Are a Menace to Health.

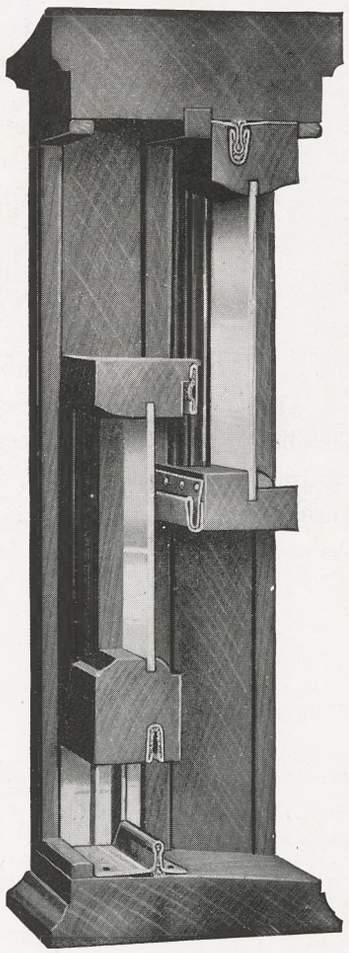


LEADERSHIP IN WEATHERSTRIPPING

TWENTY-SIX years ago Isaac H. Athey worked out the idea of a most efficient weatherstrip—basic patents were acquired and the business of the Athey Company was inaugurated in 1909.

THE ATHEY PRINCIPLE The Athey method comprises the rail type strip, but with a ball-formed rib and a strip of felt at the back, which prevent air leakage at the jamb, also a cloth-lined zinc channel entirely excluding dirt as well as cold air and preventing rattle of the sash. An important feature is that in double-hung windows one-third of the height of each sash is grooved for the sash cord, about one-half inch wide without protection, with a one-piece strip, while with Athey strip the window is protected the entire height, the channel being continuous.

THE CLOTH The channel lining is a three-ply felted cloth woven specially for our use. It is held in the hem of the zinc by prick punching at every half inch. Although moths do not select windows for their habitation, the cloth is chemically treated with a creosote compound, thus protecting it in storage and also preventing deterioration otherwise of the fabric. The cloth is firmly attached and will last indefinitely without losing its efficiency. We have removed specimens of it from double-hung windows after nineteen years of service and there is no indication of wear; in fact, our contracts for this type of window guarantee the weatherstrip for the life of the building.



COST OF ATHEY STRIP It is apparent that the cost of producing the two pieces of zinc strip with the addition of the felt must be several times that of the ordinary weatherstrip, also more costly to install. The fact that our business has increased steadily for the last twenty-six years would indicate that the populace do not consider an inefficient weatherstrip a paying investment. Savings in heating costs always pay for the cost of an Athey installation in three years, on many occasions in two years, besides eliminating dirt as well as cold air, a result not obtained by ordinary weatherstrips.

METAL-WINDOWS The advent of hollow metal, drawn steel and other types of metal window construction makes a flexible weatherproofing imperative. Operating metal parts cannot be fitted to exclude air.

The cloth-to-metal contact is the only solution, and we have worked out innumerable shapes and methods. Many thousands of America's greatest buildings have adopted Athey weatherstrip. This is also particularly true in Canada, and we have authoritative reports from engineers showing in some instances that the saving in two years' coal consumption was equivalent to the cost of the weatherstrip.

This report, however, does not take into account the economy in stoking, less coal, removing less ashes and the very large saving in janitor service because with this strip infiltration of dirt is not possible.

WEATHERSTRIPPING PRINCIPLES

The object of weatherstripping a window or door is to provide an air tight seal between the jamb or fixed portion of the opening and the sash or movable portion. The more continuous this line of contact can be made around the edge of the sash or door, the more positive the result. The "weak spot" or point of greatest leakage is at the corner of the opening; thus it follows that if the horizontal and vertical strips do not meet and member at the corners best results cannot be obtained. There are three separate and distinct basic principles used in the effort to seal doors and windows.

1. First to appear on the market many years ago, and still in common use, was the single member metal rail, or rib. This rail is fastened to the jamb in sash runway with the rib engaging a groove in sash. As ample clearance must be allowed to give free movement of the sash, maximum efficiency is not obtainable.

2. The second principle is the metal strip fastened to the jamb, usually set in runway of sash and engaging a second metal strip by hook or turn which is fastened to the sash, known as the metal-to-metal contact. This type to be effective as weather-proofing must necessarily fit too closely for easy operation of the window.

3. ATHEY is the metal rail fastened to the jamb in runway of sash and operating in a metal channel which is cloth lined, and inserted in a groove in the sash, thus furnishing what is known as the cloth-to-metal contact. The cloth used is a three-ply material manufactured solely for this purpose and will remain soft and pliable indefinitely. The rib is provided with a felt backing, which prevents any possibility of leakage between the strip and the jamb.

The Athey Company is prepared to furnish material for weatherstripping in accordance with any of the above principles, but sincerely recommends the cloth-to-metal idea as being the most effective preventive of leakage of cold air, dust and soot around windows and doors. We guarantee it will give the greatest degree of satisfaction in this respect, at the same time maintaining a flexible contact which permits the easy operation of the windows.

●

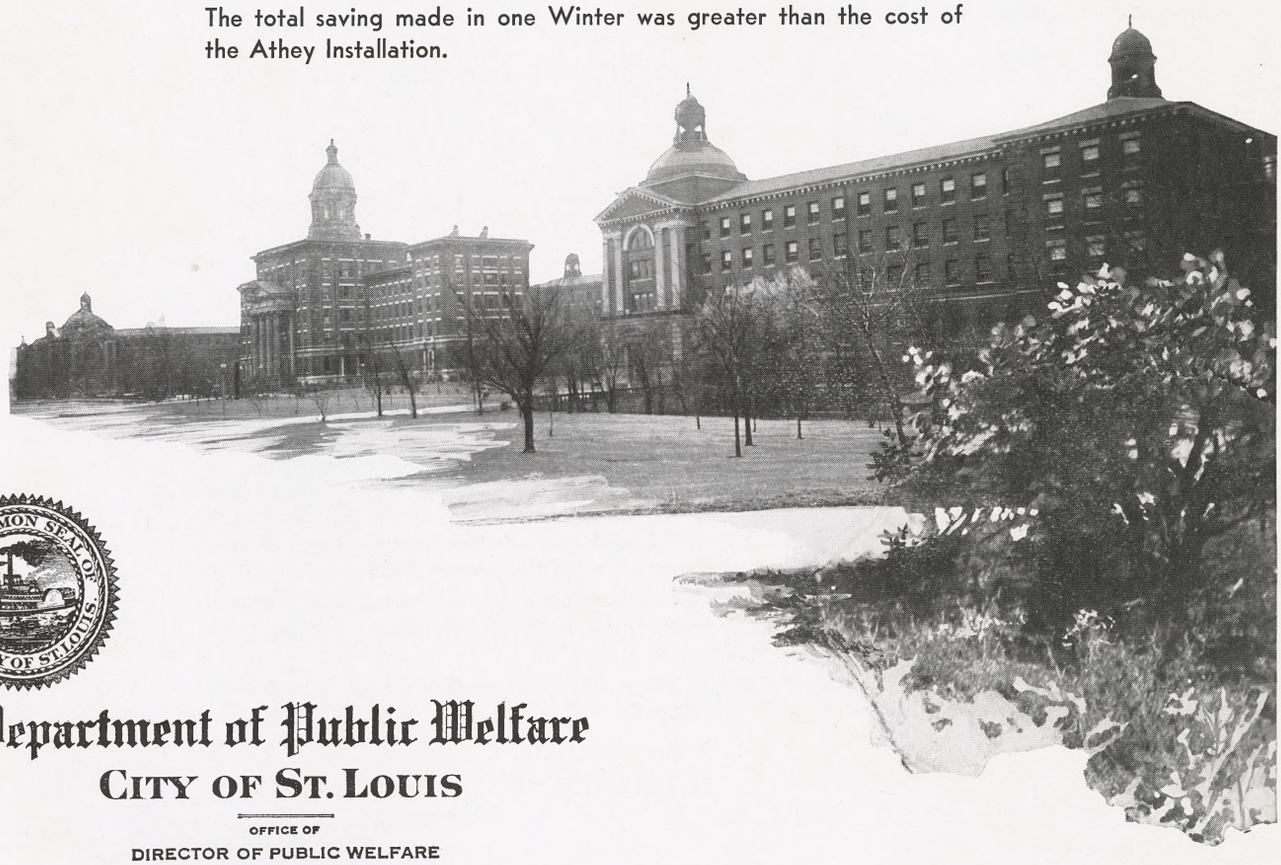
Athey Cloth-Lined Metal Weatherstrip has established its reputation after tweny-six years of performance. When Athey Cloth-Lined Metal Weatherstrip is installed you have purchased weatherstrip for the life of your building.

SAVING WITH ATHEY WEATHERSTRIPPING INSTALLATION

This Is An Unsolicited Endorsement

Cost of Athey Weatherstrip Installation	$13,113.00
Saving in fuel cost the first Winter	$10,500.00
Saving in blankets	2,000.00
Saving in handling fuel and ashes	? ? ?
Saving in cleaning expense	? ? ?

The total saving made in one Winter was greater than the cost of the Athey Installation.



Department of Public Welfare
CITY OF ST. LOUIS

OFFICE OF
DIRECTOR OF PUBLIC WELFARE
329 MUNICIPAL COURTS BLDG.

February 16, 1929.

The Athey Company,
Gentlemen:--

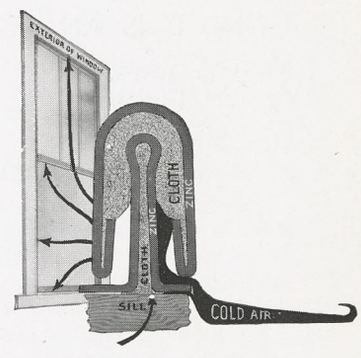
You will perhaps be glad to know that through the weather-stripping job handled by your people at the City Sanitarium recently, we were able to discontinue the use of one 350 horse-power boiler, a saving to the City of about $1500.00 a month in coal. We were also able to cancel an order for about $2000.00 worth of blankets, which had been requisitioned for use during the present winter.

Feeling that this information would be of interest to you, we gladly submit it.

Yours very truly,

H. L. Dalsbury

Director of Public Welfare.



TWO TIMES ACTUAL DIMENSIONS

ENTIRE SATISFACTION FOR OVER THIRTEEN YEARS

Mr. Lew Wentworth,
415 Karbach Block,
Omaha, Nebraska.

Dear Sir:

With reference to your inquiry today regarding the installation of Athey weather strips on the Woodmen of the World Building.

This building was completed in 1912, and the Athey was specified. It has given us entire satisfaction for over thirteen years. The length of service given us speaks for itself, and needs no further recommendation.

Yours truly,
WOODMEN OF THE WORLD BUILDING,
JOHN N. CRAWFORD,
Manager.

MORE HEALTHFUL AND PLEASANT CONDITION OF THE RESIDENCES

Mr. A. A. Orr,
Monongahela Valley Bank Bldg.,
Morgantown, W. Va.

Dear Sir:

With reference to the *Athey Weather Strips* which you placed on nine of our Company residences last fall, it gives me a great deal of pleasure to express an opinion based on our experience during the past winter.

Most of our houses are exposed to high winter winds, and notwithstanding the fact that four of the houses are new and of modern construction, we found it impossible to heat them evenly. Since you installed the weather strips, we find this trouble entirely eliminated, allowing the houses to be heated uniformly with a moderate furnace fire, whereas we previously forced the furnaces to keep the west sides of the houses warm.

While the strips will without question pay for themselves in fuel saved, their greatest advantage, in our opinion, is the entire elimination of cold air draughts and the more healthful and pleasant condition of the residences.

We were very well pleased with the Athey Strips and your workmanship in installing them and feel that we made a very good investment.

Yours very truly,
BETHLEHEM MINES CORPORATION,
H. R. BISSELL,
Chief Engineer.

I FIND IT IS AN ALL SEASON COMMODITY

Athey Company,
Chicago, Ilinois.

Dear Sirs:

I take this means of telling you what I think of the Athey Cloth-lined Weather Strips.

I find it is an all season commodity. It is as essential in the spring and summer—when it acts as a draft and dust preventative keeping out the rain and protecting the interior decoration—as it is in winter when it so effectively reduces the fuel bills by keeping out the wintry blasts. I also find that the strips the whole year round prevents rattling of windows, makes them operate easily. They add but little to the cost of the building and more than pay for themselves in savings effected.

In closing I will say anyone that buys The Athey Cloth-lined Weather Strip can't go wrong on it.

Yours very truly,
LUVERNA B. WILDMAN.

NOT DIFFICULT TO KEEP OUR HOME VERY COMFORTABLE DURING THE COLDEST WEATHER

Athey Company,
Chicago, Ill.

Dear Sirs:

Just a few lines to inform you that I am very well pleased with Athey weather strip which your agent Bert Jennings installed on doors and windows of my home several years ago.

Previous to this installation my fuel bill for 1924 was $104.00. The cost for heat after the installation was made, for 1925 was $88.00 and a further saving was made for 1926 which was $69.00.

I contribute this saving directly to the weather strip as it is not difficult to keep our home very comfortable during the coldest of weather.

I do not hesitate to recommend your service and metallic weather strip to anyone.

Very truly yours,
THE MAPLE CITY ICE COMPANY,
WALTER V. HIPP.

THE GAS STAYS OFF AT MUCH LONGER PERIODS OF TIME

Athey Company,
Chicago, Ill.

Dear Sirs:

We are certainly very pleased with our Athey weather-stripping which you installed for us some time ago. We have had some very cold weather since and notice a decided change in the temperature of our home.

We also notice that the thermostat in the living-room has decreased its action about 25%, showing that the gas stays off at much longer periods of time.

We are altogether very satisfied with your work and wish to thank you for the splendid installation.

Very truly yours,
THE BOWEN COMPANY,
H. S. BOWEN,
Secretary.

THE COST OF THE INSTALLATION HAS ALL BEEN MET IN FUEL SAVING

The Athey Company,
Chicago, Illinois.

Dear Sirs:

In reply to your recent inquiry, beg to state that the Athey Clothed Lined Metal Weather Strips which you installed two years ago on all the steel windows on the West side of our building have proven most satisfactory, and I believe the cost of the installation has all been met in fuel saving. As you know, the West side of the building is on the windy side facing the river and before your installation it was impossible to heat the rooms on a cold windy day.

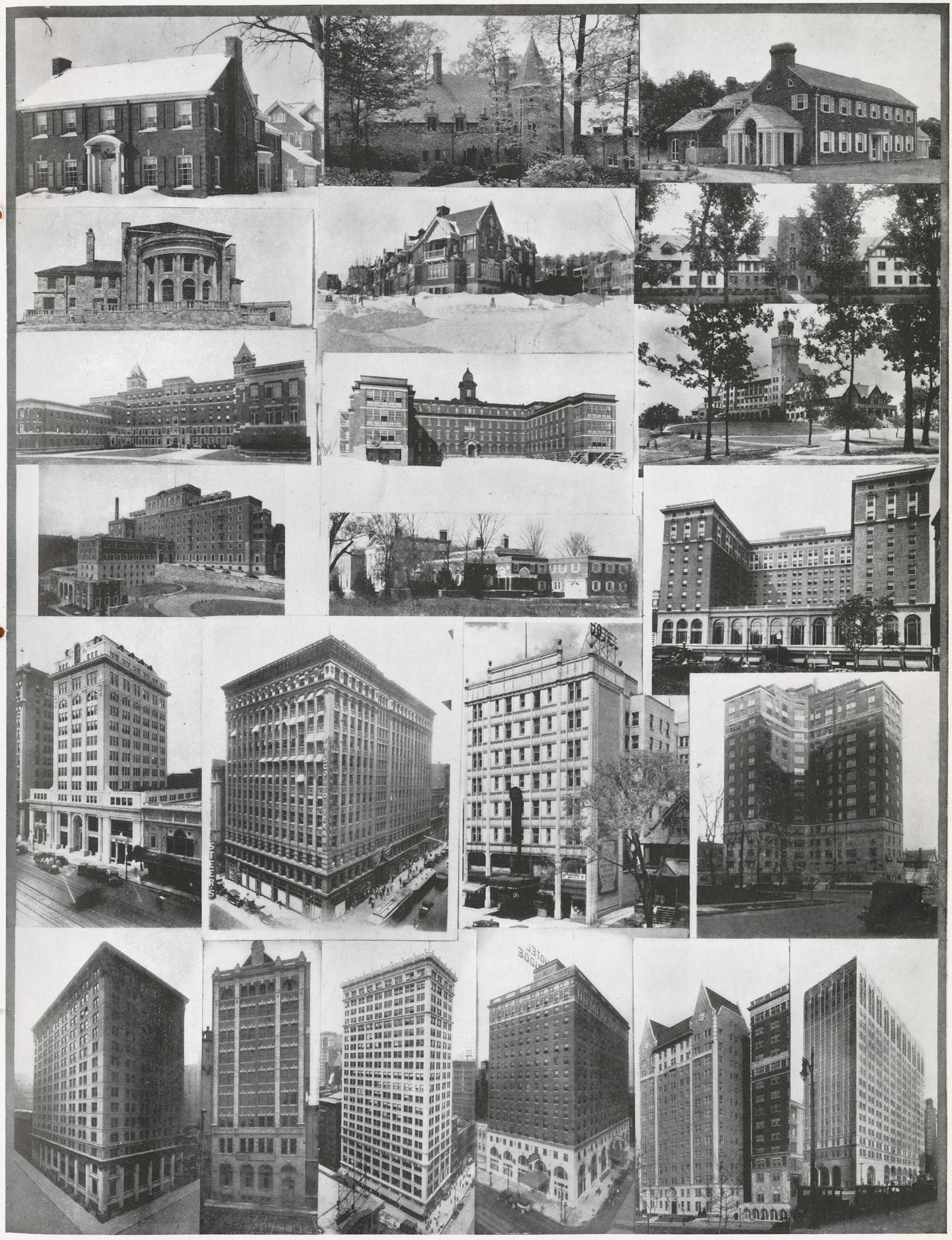
One day last week which I thought was the worst day of the winter, I visited the different rooms in the building and found we had a constant temperature of seventy-six with very little firing.

Trusting that this answers your inquiry, I am,

Very truly yours,
THE NATIONAL DEPOSIT BANK,
ALLAN K. TAYLOR,
Building Superintendent.

Partial List of
Athey Weather Strip Installations

Walter Reed Hospital	Washington, D. C.
Post Office	Valley City, N. D.
Union League Club	Chicago, Ill.
Hartman Building	Chicago, Ill.
Lake View Building	Chicago, Ill.
Manhattan Building	Chicago, Ill.
Otis Building	Chicago, Ill.
Blum Building	Chicago, Ill.
London Guaranty and Accident Building	Chicago, Ill.
Kesner Building	Chicago, Ill.
Consumers Building	Chicago, Ill.
Peoples Gas Building	Chicago, Ill.
Standard Oil Co. Building	Chicago, Ill.
Wrigley Building and Annex	Chicago, Ill.
Hamilton Club	Chicago, Ill.
Mount Sinai Hospital	Chicago, Ill.
Alexian Bros. Hospital	Chicago, Ill.
St. Joseph's Hospital	Chicago, Ill.
Illinois Central Hospital	Chicago, Ill.
Frances Willard Hospital	Chicago, Ill.
Drake Hotel	Chicago, Ill.
Blackstone Hotel	Chicago, Ill.
Edgewater Beach Hotel	Chicago, Ill.
Chicago Theater	Chicago, Ill.
Roosevelt Theater	Chicago, Ill.
Tivoli Theater	Chicago, Ill.
Uptown Theater	Chicago, Ill.
Montgomery-Ward Building	Chicago, Ill.
A. W. Grunow Residence	River Forest, Ill.
Streator High School	Streator, Ill.
Iben Apartments	Peoria, Ill.
Jacksonville State Hospital	Jacksonville, Ill.
Dunlap Hotel	Jacksonville, Ill.
Farmington High School	Farmington, Ill.
Ogden Armour Country Estate	Lake Forest, Ill.
Graham Building	Aurora, Ill.
Greystone Apartments	St. Louis, Mo.
Marting Building	St. Louis, Mo.
Ambassador Theater Building	St. Louis, Mo.
Masonic Old People's Home	St. Louis, Mo.
Granada Apartments	St. Louis, Mo.
City Sanitarium	St. Louis, Mo.
Arcade Building	St. Louis, Mo.
Traymore Castle Apartments	St. Louis, Mo.
Carmelite Convent	St. Louis, Mo.
Pierce Office Building	St. Louis, Mo.
Hancock School	St. Louis, Mo.
Hotel Baltimore	Kansas City, Mo.
Chateau Frontenac	Quebec, Canada
Chateau Laurier	Ottawa, Canada
College Mont des Martyrs	Montreal, Quebec, Canada
L'Hospital St. Sacrament	Quebec, Canada
Chateau St. Louis Apartments	Quebec, Canada
Chateau Frontenac Hotel	Quebec, Canada
Parliamentary Library	Ottawa, Canada
Notre Dame Hospital	Montreal, Canada
New Birks Building	Montreal, Canada
Steel Co. of Canada	Montreal, Canada
St. Johns General Hospital	St. Johns, N. B.
Majestic Theater Building	San Antonio, Tex.
Scharbauer Hotel	Midland, Tex.
Hotel Stockton	Fort Stockton, Tex.
Ector County Independent School	Odessa, Tex.
Graham Hotel	Pecos, Tex.
Linden Hotel	El Paso, Tex.
Cedar Glen Apartments	Cleveland, Ohio
Mount Sinai Hospital	Cleveland, Ohio
City Hall	Cleveland, Ohio
Leader-News Building	Cleveland, Ohio
Statler Hotel	Cleveland, Ohio
Hippodrome	Cleveland, Ohio
Euclid Avenue Baptist Academy	Cleveland, Ohio
Stambaugh Auditorium	Youngstown, Ohio
Ohio Hotel	Youngstown, Ohio
Mahoning National Bank	Youngstown, Ohio
Ohio Edison Co.	Youngstown, Ohio
Union Savings & Trust Bank	Warren, Ohio
Fort Hayes Hotel	Columbus, Ohio
Neil House	Columbus, Ohio
Western Reserve Academy	Hudson, Ohio
New Consumers Power Building	Saginaw, Mich.
Telephone Building	Iron Mountain, Mich.
Douglass Hotel	Houghton, Mich.
Henderson-Ames Building	Kalamazoo, Mich.
Gar Wood Residence	Detroit, Mich.
Grace Hospital Nurses' Home	Detroit, Mich.
Providence Academy	St. Mary of the Woods, Ind.
Purdue University	Lafayette, Ind.
Illinois Central Hospital	Paducah, Ky
Philip Germain Residence	Louisville, Ky
Nurses' Home	Ogden, Utah
Post Office	Boise, Idaho
Post Office	Smyrna, Del.
First National Bank	Oshkosh, Wisc.
St. Elizabeth's Hospital	Appleton, Wisc.
New Post Office	Madison, Wisc.
Lutheran Old Peoples' Home	Milwaukee, Wisc
St. Joseph's Hospital	Milwaukee, Wisc.
F. E. Murphy Residence	Green Bay, Wisc.
Kimberly-Clark Paper Co.	Neenah, Wisc.
E. G. Vail Residence	Fond du Lac, Wisc.
Midway Hospital	St. Paul, Minn.
Hamline University	St. Paul, Minn.
St. Benedict Academy	Crookston, Minn.
Schenley Apartments	Pittsburgh, Pa.
University Club	Pittsburgh, Pa.
Pennsylvania Chocolate Building	Pittsburgh, Pa.
Recreation Building, Marine Hospital	Aspinwall, Pa
Penn Harris Hotel	Harrisburg, Pa.
Truesdell Hospital	Fall River, Mass.
Leominster Hospital	Leominster, Mass.
Harvard University, Business Building	Cambridge, Mass.
St. Anne Parish School	Fall River, Mass.
M. C. Franklin Apartments	Roanoke, Va.
Appalachian Power Company	Roanoke, Va.
Creek Club	Locust, Valley, N. Y.
Dwight W. Morrow Residence	Englewood, N. J.
Thayer West Point Hotel	New York City
Classen Point Military Academy	New York City
Hecksher Foundation for Children	New York City
Radio Station, WHAP and WLWL	New York City
Montgomery-Ward Building	Jamaica, N. Y.
F. Ziegfeld Residence	Hastings-on-Hudson, N. Y.
Twentieth Century Club	Buffalo, N. Y.
Rand-Kardex Company	Tonawanda, N. Y.
Exchange National Bank Building	Olean, N. Y.
Cataract National Bank	Niagara Falls, N. Y.
Cattaraugus School	Cattaraugus, N. Y.
Home of the Friendless	Lockport, N. Y.
Hotel Utica	Utica, N. Y.
Montclair Golf Club	Montclair, N. J.
New Sherman School	Cranford, N. J.
Bond Hotel and Annex	Hartford, Conn.
State Capital	Hartford, Conn.
Wesleyan University	Middleton, Conn.
Sage Allen Building	Hartford, Conn.
Johns Hopkins University	Baltimore, Md.
Windsor Court Apartments	Baltimore, Md.
Rhode Island Trust Building	Providence, R. I.
El Jabel Temple	Denver, Colo.
Post Office Building	Glenwood Springs, Colo.
High School	Spearfish, S. D.
U. S. Post Office	North Platte, Nebr.
State University, Medical Bldg.	Omaha, Nebr.
Lutheran Hospital	Beatrice, Nebr.
Cosden Building	Tulsa, Okla.
Brown Marx Office Building	Birmingham, Ala.
Woodlawn High School	Birmingham, Ala.
Signal Mountain Hotel	Chattanooga, Tenn.
Claridge Hotel	Memphis, Tenn.
University of Tennessee, Medical Bldg.	Memphis, Tenn.
Citizens' Bank	Dyersburg, Tenn.
Ft. Saunders Hospital	Knoxville, Tenn.
Paramount Theater	Nashville, Tenn.
Marquette Hotel	Hot Springs, Ark.
Elks Club	Jonesboro, Ark.
Columbus Hospital	Columbus, Miss.
Meridian Masonic Temple	Meridian, Miss.
Main Street High School	Vicksburg, Miss.
Multnomah County Hospital	Portland, Oregon
Telephone Building	Portland, Oregon
LaGrande Railway Station	LaGrande, Oregon
Court House and Jail	Great Falls, Mont.
U. S. Rubber Co. Building	Great Falls, Mont.
Lincoln School	Great Falls, Mont.
450 Sutter Street Building	San Francisco, Calif.
University of North Carolina	Chapel Hill, N. C.
Three Grade Schools	Durham, N. C.
Melbourne Hotel	Durham, N. C.
John B. Young School	Davenport, Iowa
West Intermediate School	Davenport, Iowa
Shenandoah National Bank	Shenandoah, Iowa
Jefferson Hotel	Iowa City, Iowa
Broadlawns Polk County Public Hospital	Des Moines, Iowa



A FEW OF MANY THOUSANDS OF BUILDINGS EQUIPPED WITH ATHEY WEATHERSTRIPS

ATHEY WEATHERSTRIPPING IS MOST ECONOMICAL BECAUSE..

1. It is most highly efficient.

2. It never needs repair or replacement.

CONSULT with your architect on the subject of weatherstripping for the house you build. Your weatherstripping can be most economically and satisfactorily installed when your house is being built.

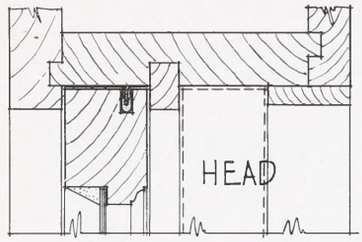
Athey cloth-lined metal weatherstrips have proven their leadership in quality and value over a period of twenty-six years.

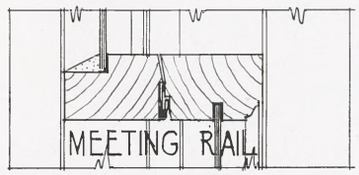
Their effective service is well known to your architect. Remind him that you too favor Athey for best results and economy.

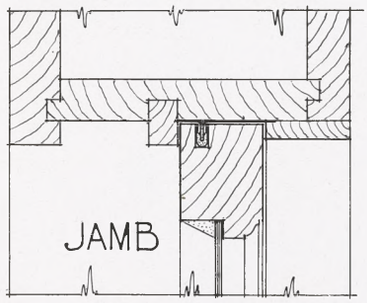
Remember Athey Weatherstripping will maintain its maximum efficiency for the life of your building.

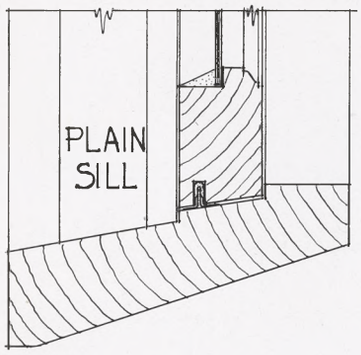
DETAILS AND SPECIFICATIONS FOLLOW

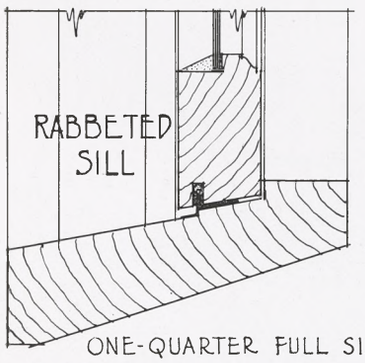
ATHEY № 50 EQUIPMENT FOR DOUBLE-HUNG WOOD WINDOWS



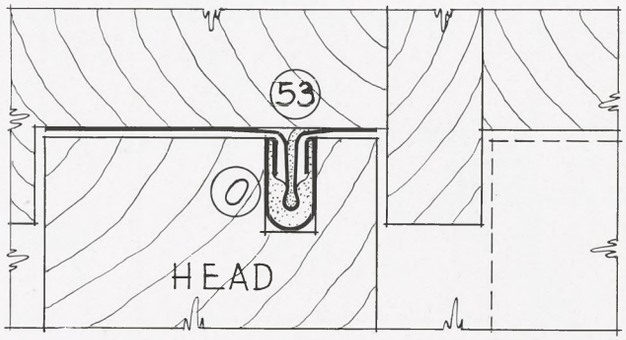


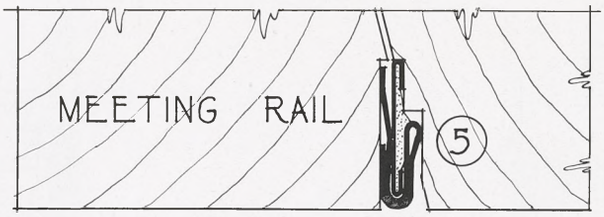


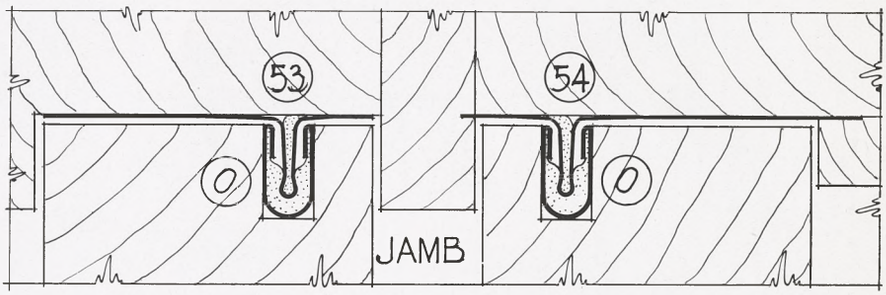


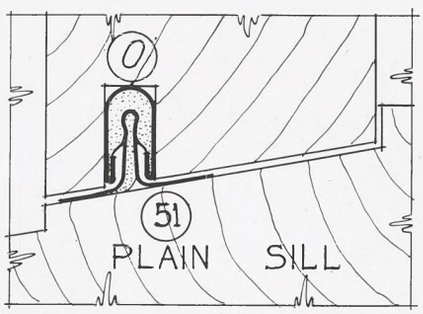


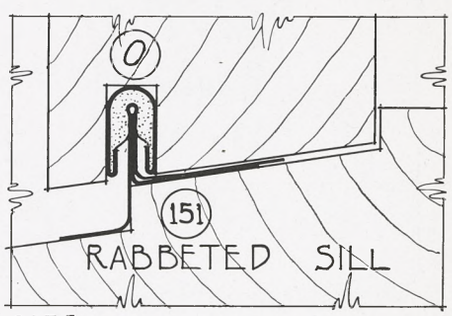
ONE-QUARTER FULL SIZE











FULL SIZE

Sash Size	1⅜"	1¾"	2¼"
Jambs, Head and Bottom of sash	0	0	0
Plain Sill	51	51	51
Rabbeted Sill	151	151	151
Head and Sides of Upper Sash	52	54	56
Sides of Lower Sash	53	55	57
Meeting Rail	5	5	5

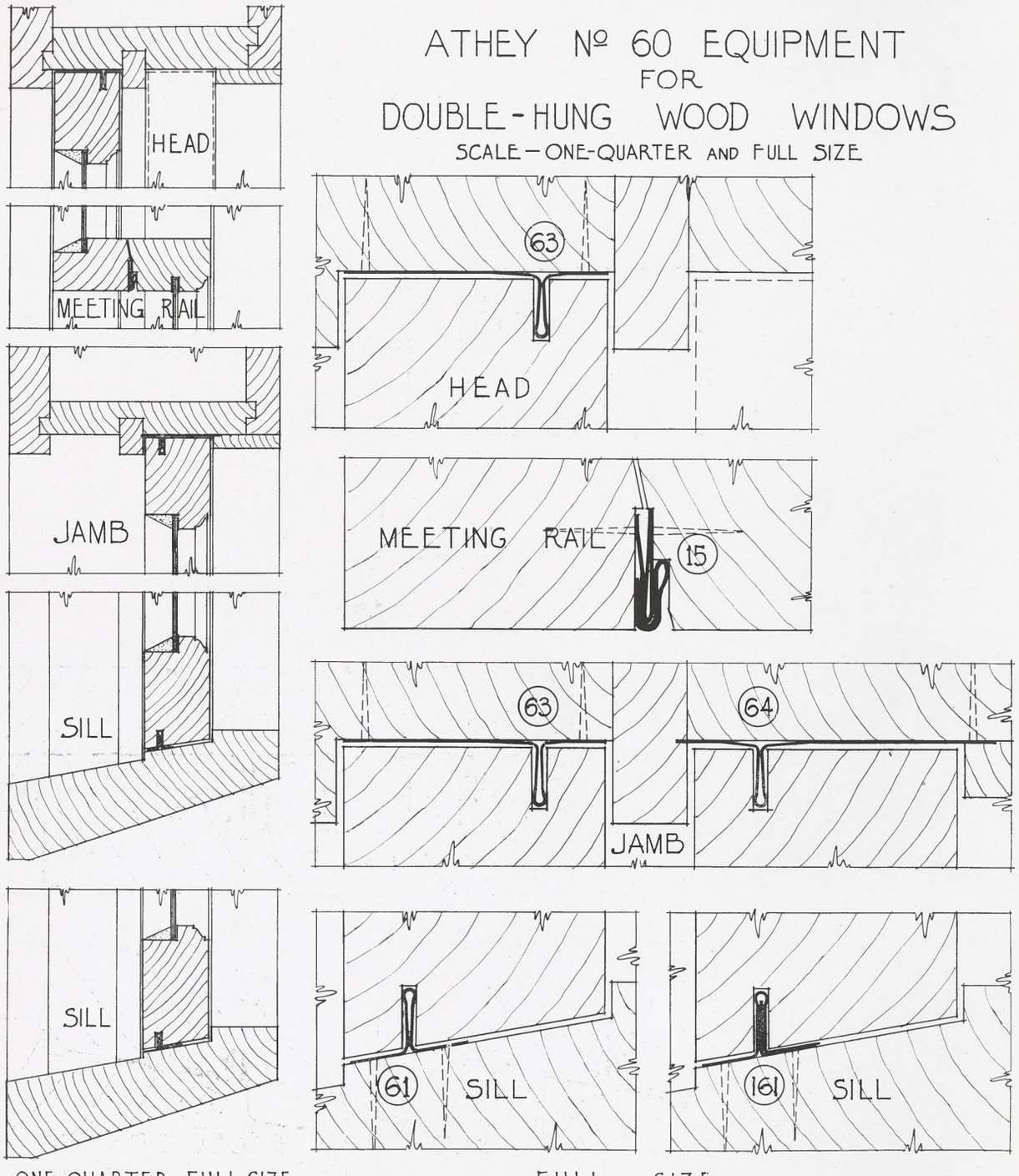
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
0	25	.0179	9	.018
5	Flat-22 Hook-25	.025 .0179	Flat-11 Hook-9	.024 .018
51	25	.0179	9	.018
52	25	.0179	9	.018
53	25	.0179	9	.018
54	25	.0179	9	.018
55	25	.0179	9	.018
151	25	.0179	9	.018

SPECIFICATION

Install on all wood double-hung windows Athey No. 50 zinc (or bronze) cloth lined weather strip equipment, using (No. 51 regular sill strip or No. 51A steel reinforced sill strip or, where rabbeted sills occur, No. 151 steel reinforced rabbeted sill strip); all carefully aligned for full contact and tight seal, all intersecting members coped to make positive leak-proof corners and all parts securely fixed in position. This equipment shall include dust blocks of wood, or metal-covered felt, on parting strips at meeting rail.

ATHEY Nº 60 EQUIPMENT FOR DOUBLE-HUNG WOOD WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



ONE-QUARTER FULL SIZE

FULL SIZE

Sash Size	1⅜"	1¾"	2¼"
Plain Sill	61	61	61
Plain Sill Reinforced	161	161	161
Head and Sides of Upper Sash	62	64	66
Sides of Lower Sash	63	65	67
Meeting Rail	15	15	15

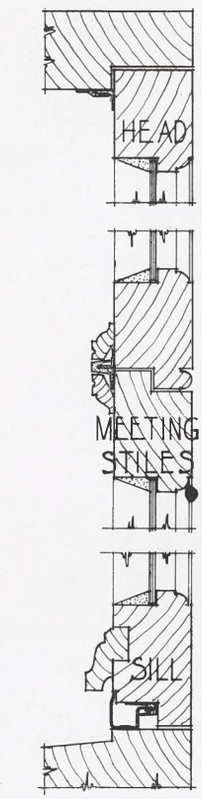
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
15	25	.0179	9	.018
61	25	.0179	9	.018
62	25	.0179	9	.018
63	25	.0179	9	.018
64	25	.0179	9	.018
65	25	.0179	9	.018
161	25	.0179	9	.018

SPECIFICATION

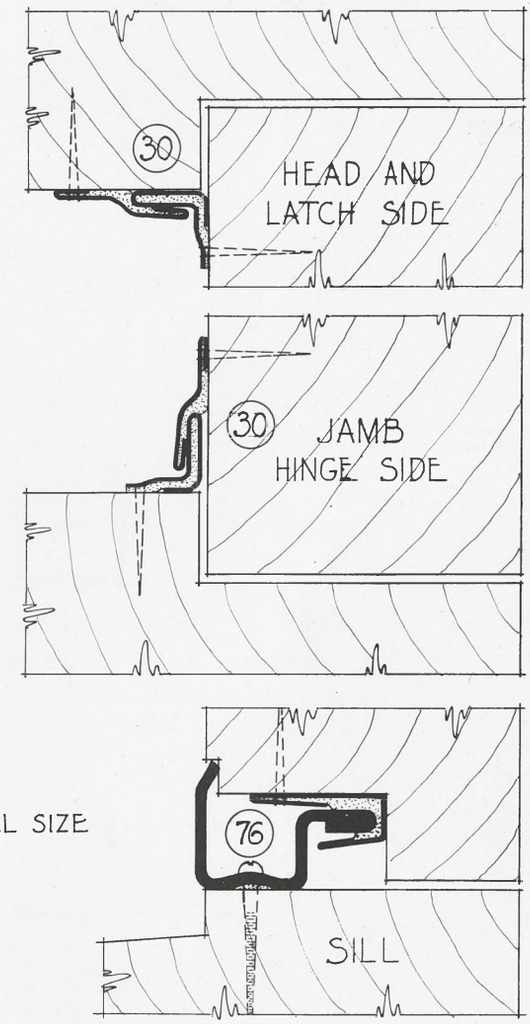
Install on all wood double-hung windows Athey No. 60 zinc (or bronze) weather strip equipment, using (No. 61 plain strip or No. 61A steel reinforced strip or, where rabbeted sills occur, No. 161 steel reinforced strip or No. 151 steel reinforced rabbeted sill strip); all carefully aligned for full contact and tight seal, all intersecting members coped to make positive leak-proof corners and all parts securely fixed in position. This equipment shall include dust blocks of wood, or metal-covered felt, on parting strips at meeting rail.

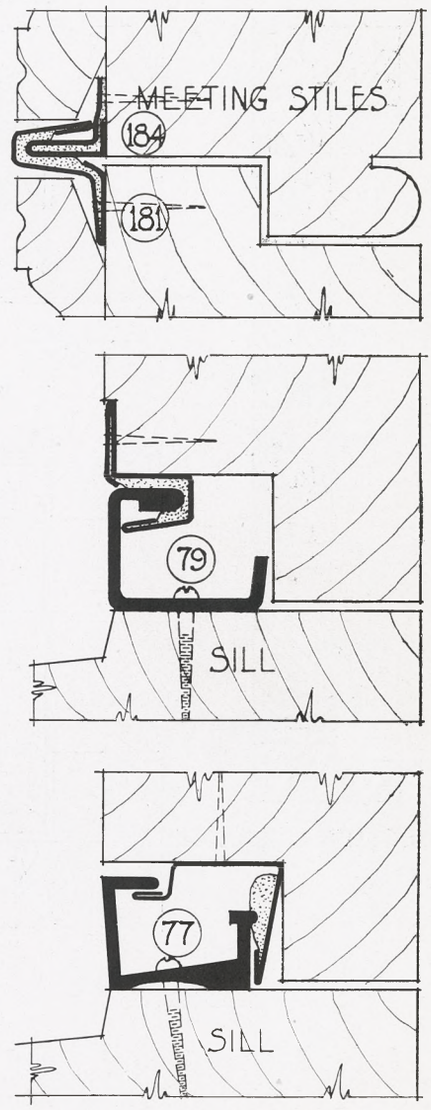
ATHEY № 70 EQUIPMENT
FOR
IN-SWINGING WOOD CASEMENT WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



ONE-QUARTER FULL SIZE





FULL SIZE.

Head	30-2 Pieces
Jambs	30-2 Pieces
Meeting Stiles	181 and 184
Sill	76-77 or 79

	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
30	22	.025	11	.024
76	16 Ga. Brass	.0508	18	.054
77	Extruded Brass			
79	16 Ga. Brass	.0508	18	.054
181	25	.0179	9	.018
184	25	.0179	9	.018

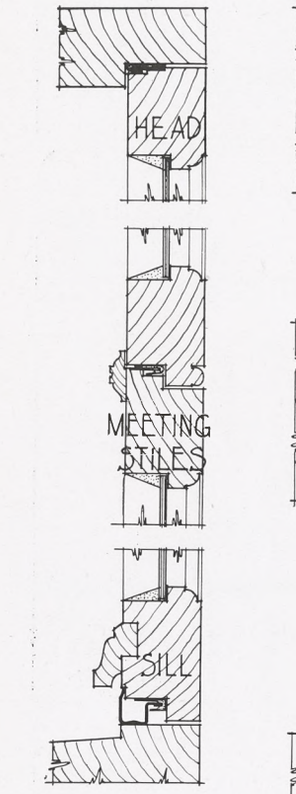
SPECIFICATION

Install on all wood in-swinging casement windows Athey No. 70 zinc (or bronze) surface interlocking cloth lined weather strip equipment, using (No. 76 or No. 79 trough in either brass or zinc or No. 77 trough in extruded brass); all carefully aligned for full contact and tight seal, all intersecting members coped to make positive leak-proof corners and all parts securely fixed in position; all troughs shall be bedded in caulking cement.

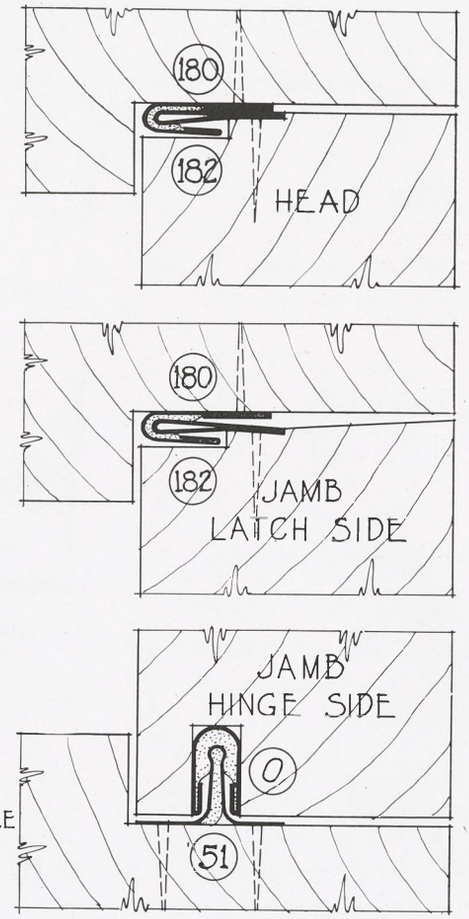
Note.—Have Carpenter provide adequate wood drip, set to clear the trough specified. Wood mouldings at meeting rail strips are advisable for protection.

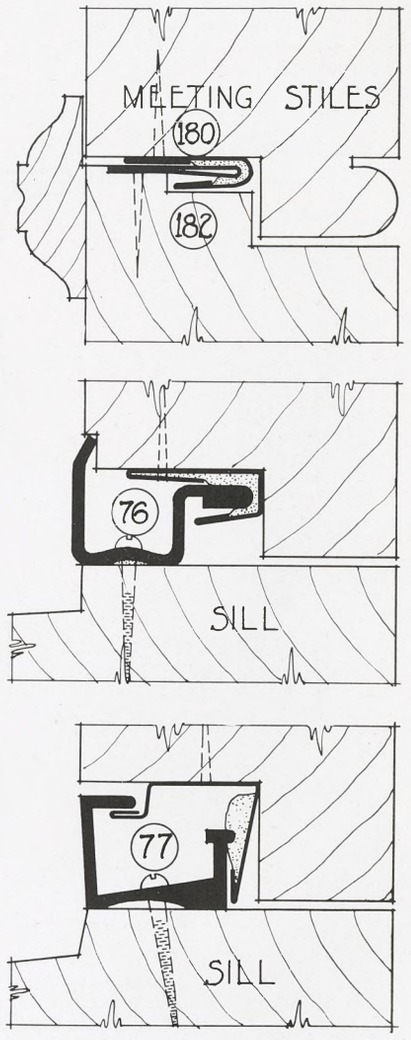
ATHEY Nº 80 EQUIPMENT
FOR
IN-SWINGING WOOD CASEMENT WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



ONE-QUARTER FULL SIZE





FULL SIZE

Head	180 and 182
Jamb-Latch Side	180 and 182
Jamb-Hinge Side	0 and 51
Meeting Stiles	180 and 182
Sill	76 or 77

	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
0	9	.018	9	.018
51	9	.018	9	.018
76	16 Ga. Brass	.0508	18	.054
77	Extruded Brass		....	....
180	25	.0179	9	.018
182	25	.0179	9	.018

SPECIFICATION

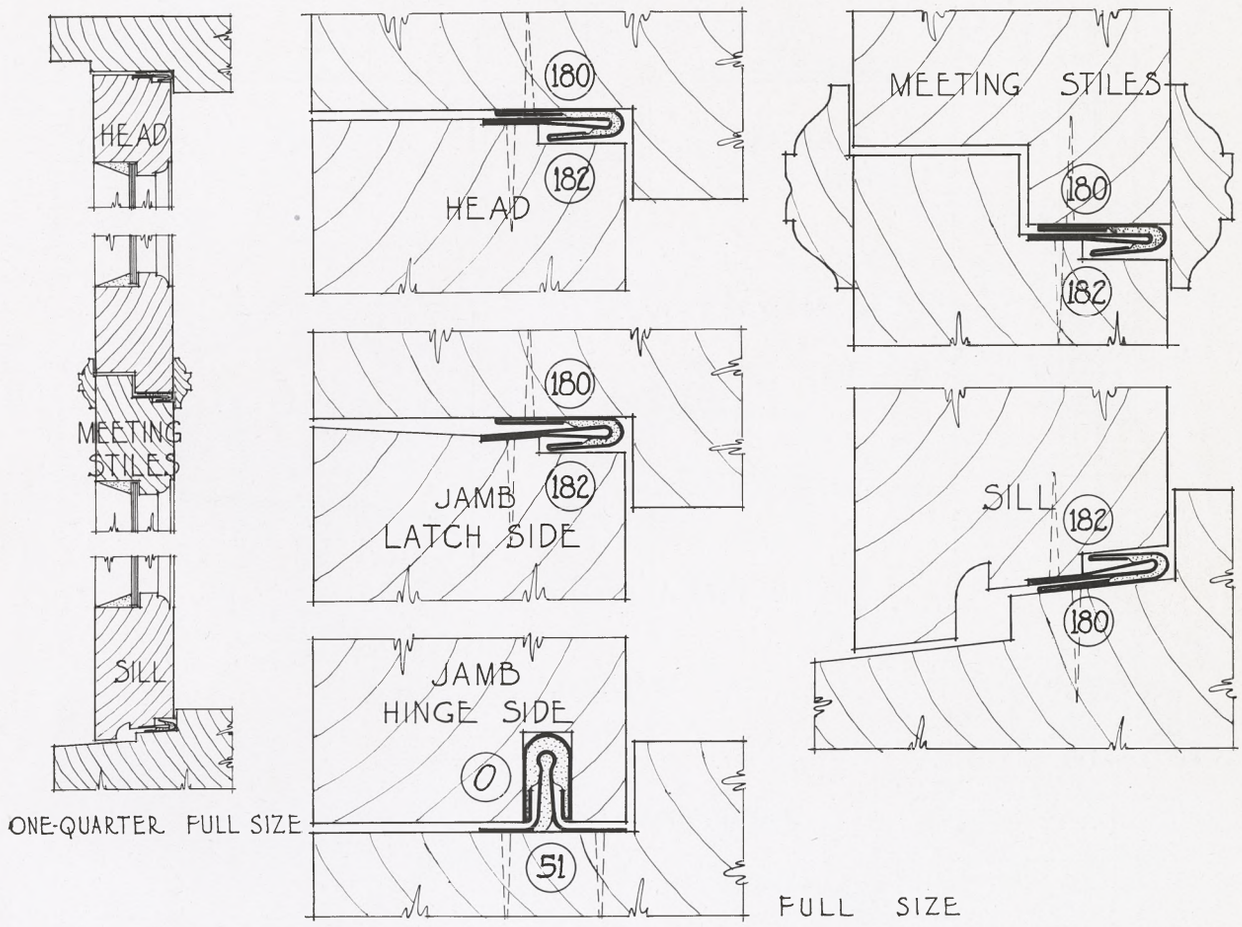
Install on all wood in-swinging casement windows Athey No. 80 zinc (or bronze) concealed interlocking cloth lined weatherstrip equipment, using (No. 76 trough in either zinc or brass or No. 77 trough in extruded brass), all carefully aligned for full contact and tight seal, all intersecting members coped to make positive leak-proof corners and all parts securely fixed in position.

Note.—Insert in Carpentry specification: All butts shall be set so as not to interfere with weatherstrips.

Note.—Have Carpenter provide adequate wood drip, set to clear the trough specified.

ATHEY № 90 EQUIPMENT
FOR
OUT-SWINGING WOOD CASEMENT WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



Head	180 and 182
Jamb-Latch Side	180 and 182
Jamb-Hinge Side	0 and 51
Meeting Stiles	180 and 182
Sill	180 and 182

	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
0	9	.018	9	.018
51	9	.018	9	.018
180	25	.0179	9	.018
182	25	.0179	9	.018

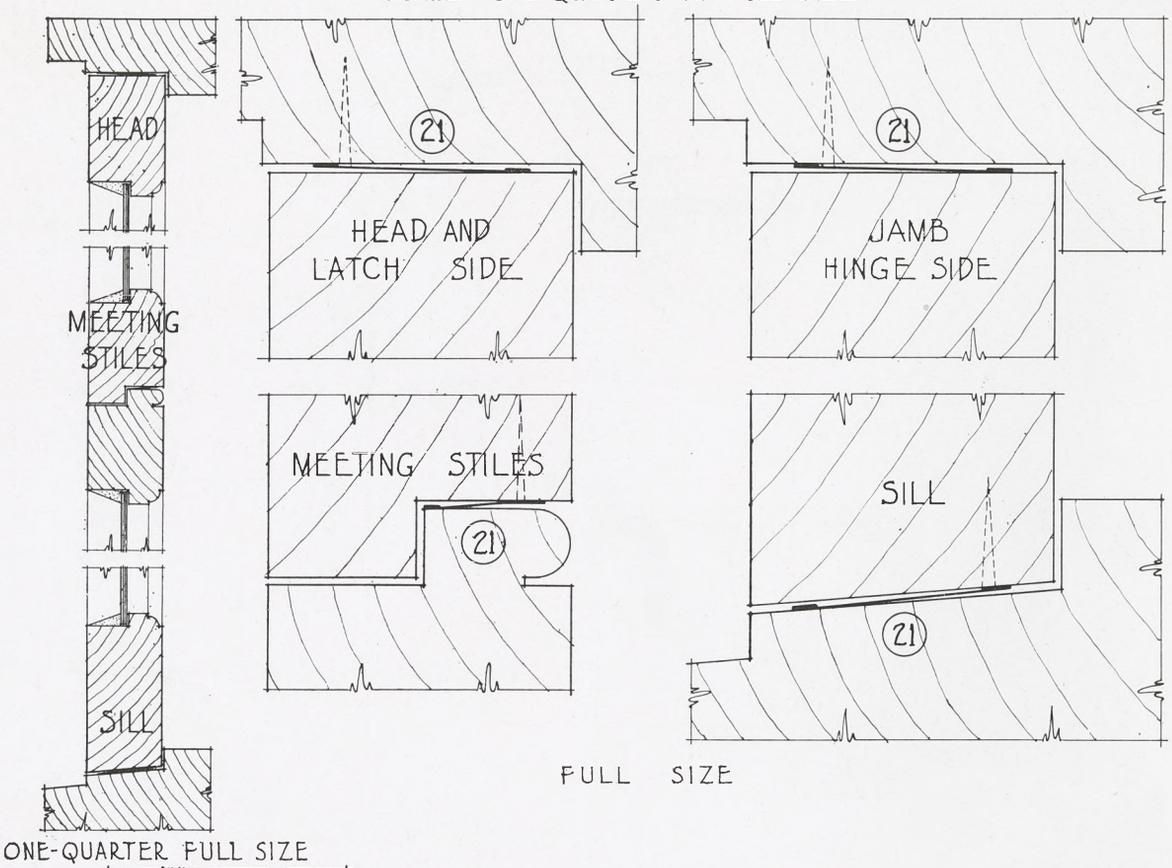
SPECIFICATION

Install on all wood out-swinging casement windows Athey No. 90 zinc (or bronze) concealed interlocking cloth lined weather strip equipment, all carefully aligned for full contact and tight seal, all intersecting members coped to make positive leakproof corners and all parts securely fixed in position.

Note: Insert in Carpentry Specification: All butts shall be set so as not to interfere with the weather strips.

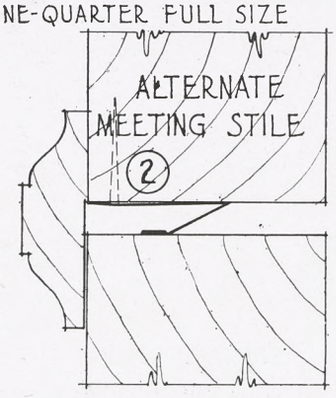
ATHEY Nº 100 EQUIPMENT
FOR
OUT-SWINGING WOOD CASEMENT WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



FULL SIZE

ONE-QUARTER FULL SIZE



Head	21
Jamb	21
Meeting Stiles	21
Sill	21

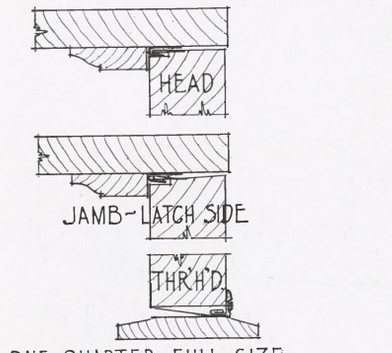
BRONZE		
No.	Gauge	Thickness in Inches
2	30	.0100
21	30	.0100

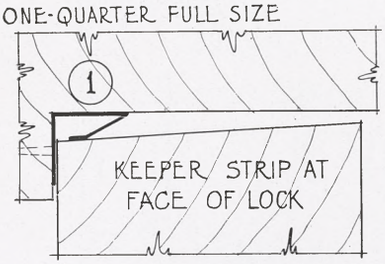
SPECIFICATION

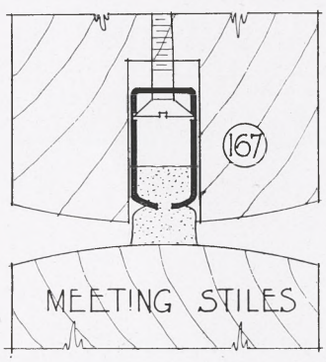
Install on all wood out-swinging casement windows Athey No. 100 corrugated spring bronze weather-proof equipment, having both edges hemmed, all carefully aligned for tight seal and all parts securely fixed in position, using brass or copper nails, with one nail to each mark.

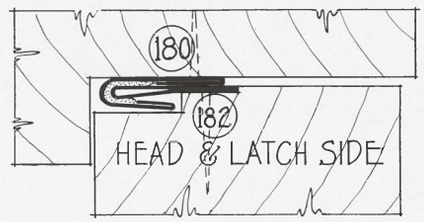
ATHEY Nº 110 EQUIPMENT FOR WOOD DOORS

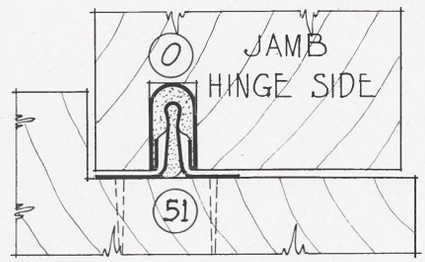
SCALE—ONE-QUARTER AND FULL SIZE

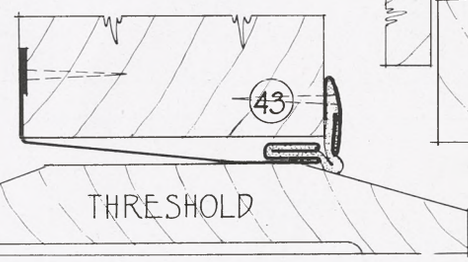


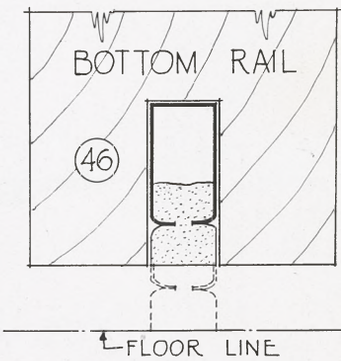


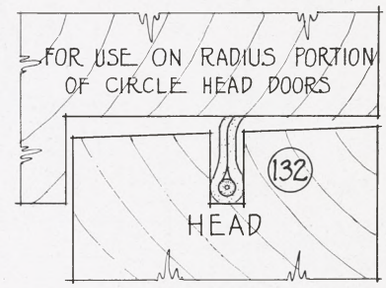


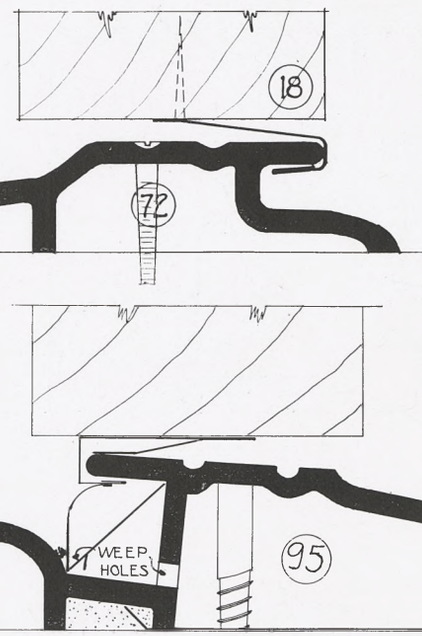












BRONZE			ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
0	25	.0179	9	.018
1	30	.0100	....	....
18	26	.0159	....	....
43	28	.0125	....	....
46	....	....	....	....
51	25	.0179	9	.018
72	Extruded Brass		....	....
88	Extruded Brass		....	
167	....	....	....	....
180	25	.0179	9	.018
182	25	.0179	9	.018
188	31	.010	....	....

Head	180 and 182
Jamb-Latch Side	180 and 182
Jamb-Hinge Side	0 and 51
Bottom of Door	43
Bottom of Door	18 and 72
Bottom of Door	88 and 188
Bottom of Door	46
Meeting Stiles	167
Face of Lock	1
Head of Circle Head Doors	132

SPECIFICATION

Install on all wood exterior doors Athey No. 110 zinc (or bronze) cloth lined weather strip equipment, using concealed interlocking strips at sides and head, No. 43 bronze and leather door bottom over wood or plain brass thresholds (or No. 72 extruded brass sills, 5/8" or 7/8" high) and No. 1 Keeper strip at lock face, with No. 18 bronze interlocking hook strip on door bottom (or other sills as shown in this catalog).

For radius portion of circle (or arch) head doors provide No. 132 strip.

Install in the bottom edge of all (bedroom or other interior doors) Athey No. 46 automatic closing door bottom.

Provide Athey No. 167 adjustable strip for the meeting stiles of pairs of doors having panic bolts or that do not have astragal mouldings.

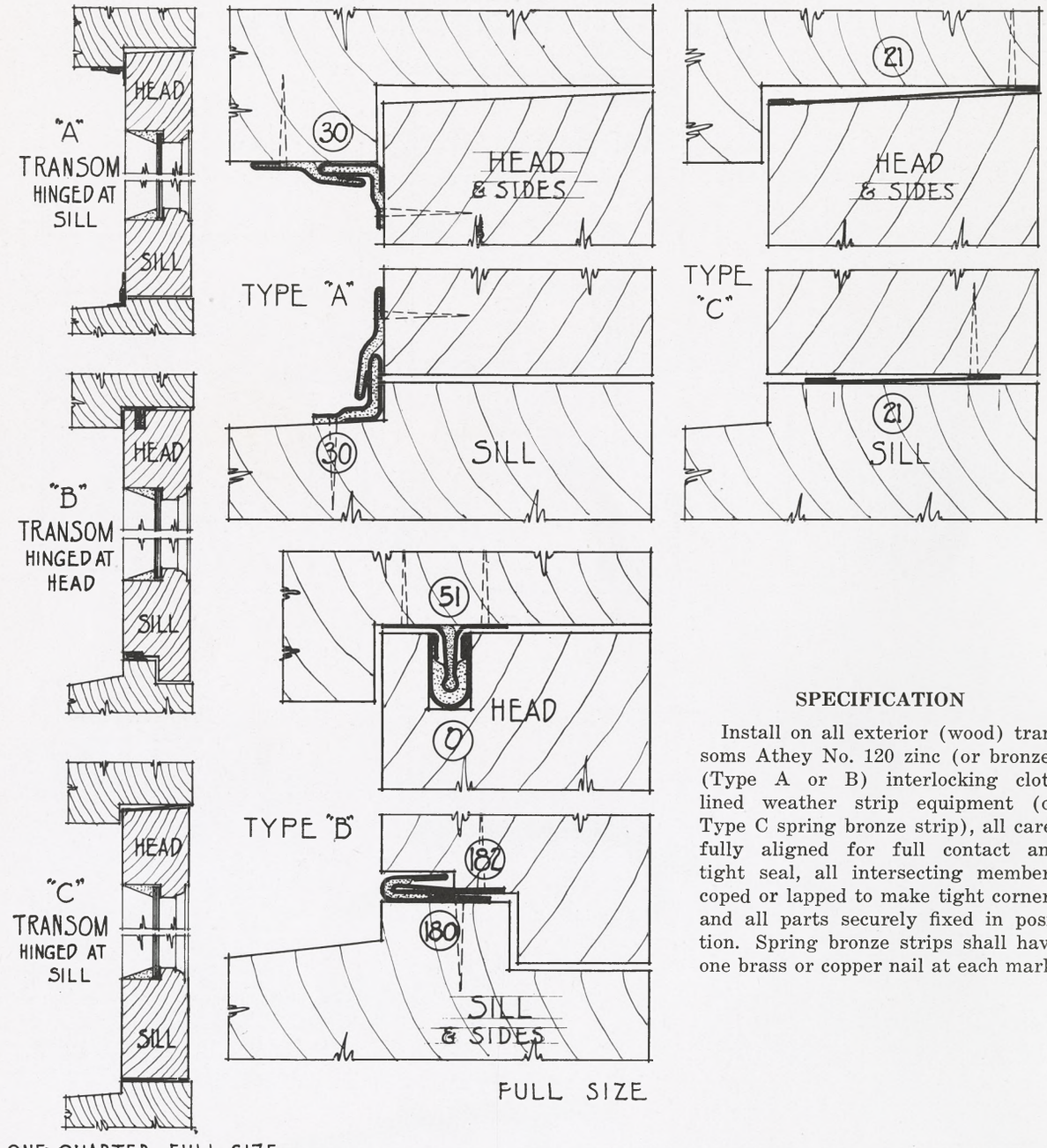
All equipment shall be carefully aligned for full contact and tight seal, intersecting members coped or lapped to make tight corners and all parts securely fixed in position.

FULL SIZE

Recommended for all exposed entrance doors

ATHEY № 120 EQUIPMENT FOR WOOD TRANSOMS

SCALE — ONE-QUARTER AND FULL SIZE



SPECIFICATION

Install on all exterior (wood) transoms Athey No. 120 zinc (or bronze) (Type A or B) interlocking cloth lined weather strip equipment (or Type C spring bronze strip), all carefully aligned for full contact and tight seal, all intersecting members coped or lapped to make tight corners and all parts securely fixed in position. Spring bronze strips shall have one brass or copper nail at each mark.

A

Head	30
Jambs	30
Sill	30

B

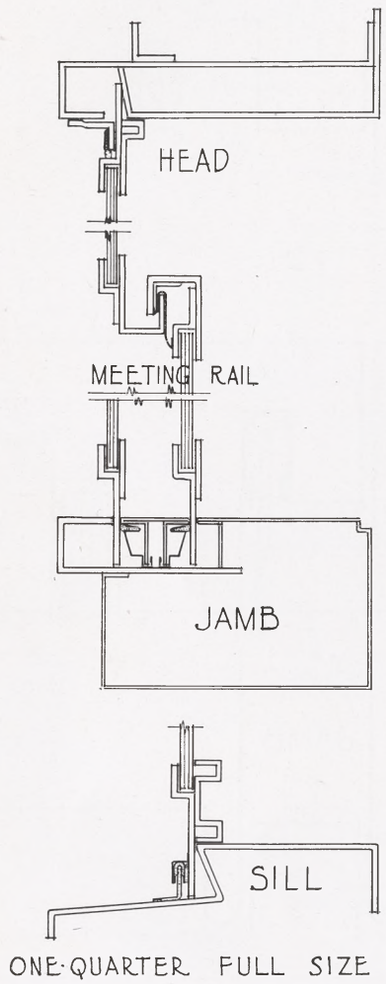
Head	0 and 51
Jambs	180 and 182
Sill	180 and 182

C

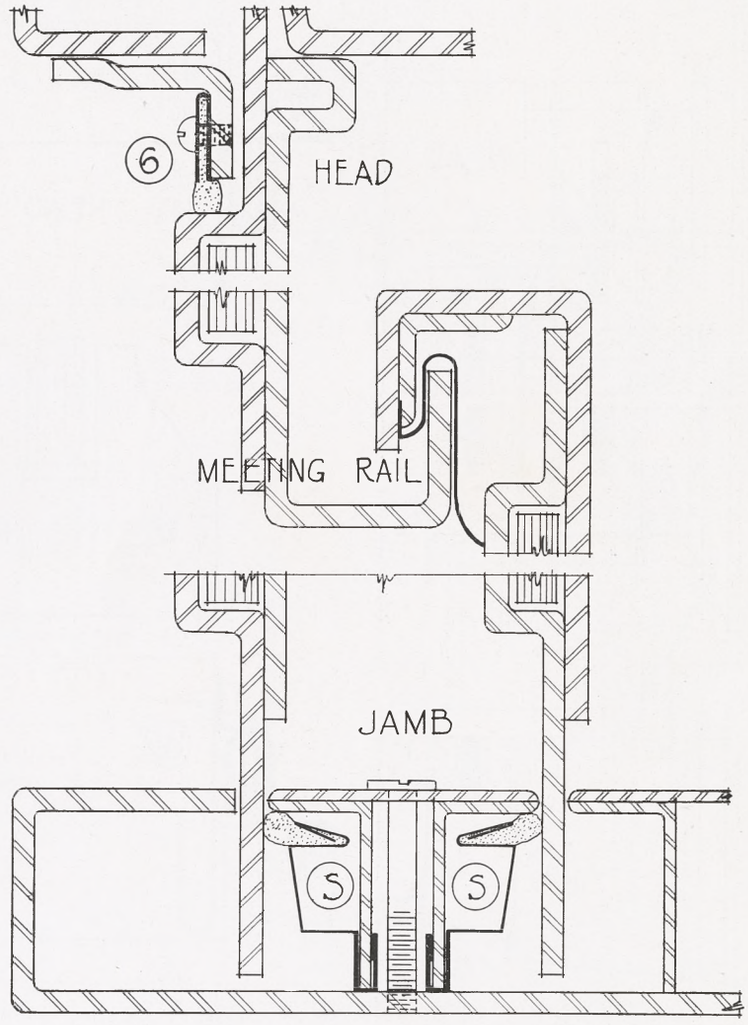
Head	21
Jambs	21
Sill	21

ATHEY № 130 EQUIPMENT
FOR
DOUBLE-HUNG STEEL WINDOWS

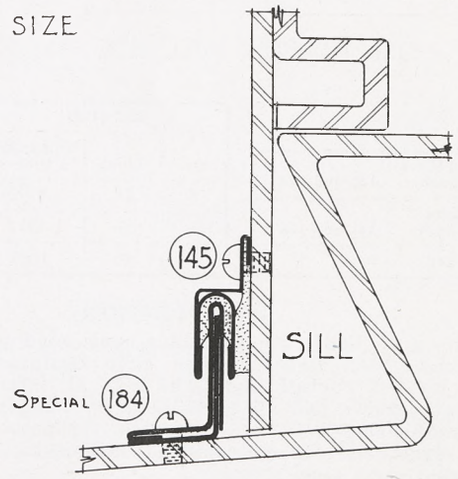
SCALE—ONE-QUARTER AND FULL SIZE



ONE-QUARTER FULL SIZE



FULL SIZE



Head	6
Jamb	S
Sill	145 and 184

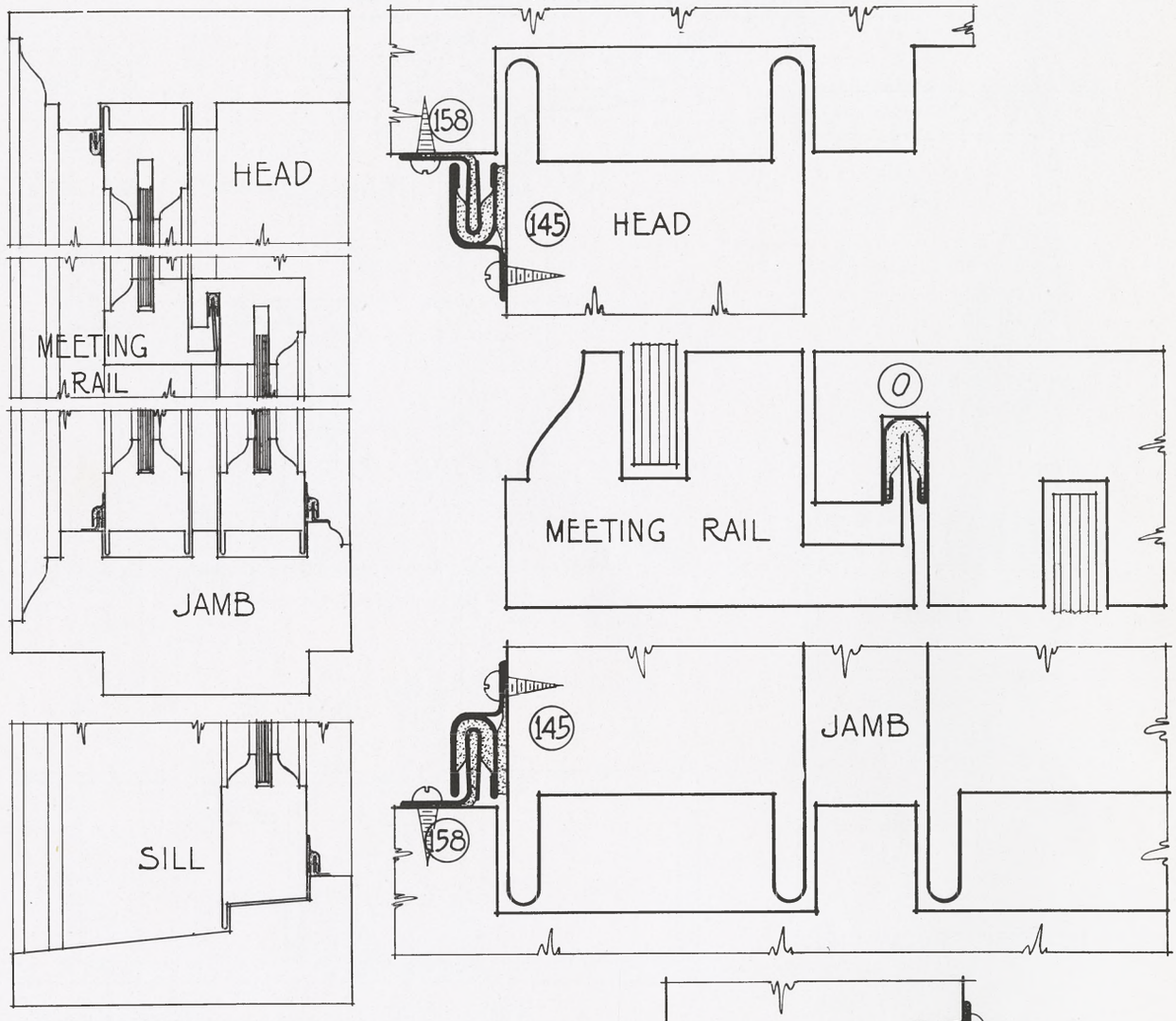
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
6	25	.0179	9	.018
145	25	.0179	9	.018
184	25	.0179	9	.018
S	30	.010	....	....

SPECIFICATION

Install on all double-hung steel windows (of solid metal type) Athey No. 130 (zinc or bronze) cloth lined weather strip equipment (for—state name or make of—window) all carefully aligned for full contact and tight seal and all parts securely fixed in position.

ATHEY Nº 140 EQUIPMENT
FOR
HOLLOW METAL DOUBLE-HUNG WINDOWS

SCALE—ONE-QUARTER AND FULL SIZE



ONE-QUARTER FULL SIZE

FULL SIZE

Heads and Sides of Upper Sash	145 and 158
Sill and Sides of Lower Sash	145 and 158
Meeting Rail	0

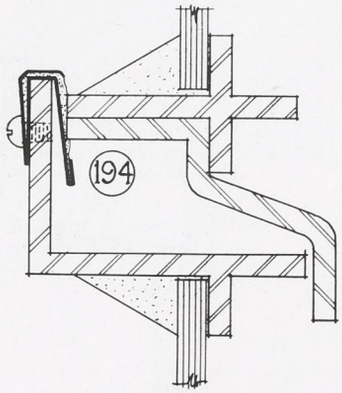
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
0	25	.0179	9	.018
145	25	.0179	9	.018
158	25	.0179	9	.018

SPECIFICATION

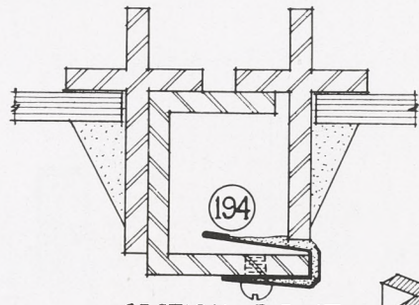
Install on all hollow metal double-hung windows Athey No. 140 interlocking cloth lined weather strip equipment, all carefully aligned for full contact and tight seal, all intersecting members mitred at corners and all parts securely fixed in position, using sheet metal screws. For copper or bronze windows provide bronze strips and for galvanized sheet metal windows provide lead-coated sheet steel strips.

ATHEY Nº 150 EQUIPMENT
FOR
STEEL FACTORY SASH

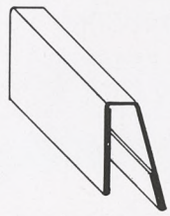
SCALE – FULL SIZE



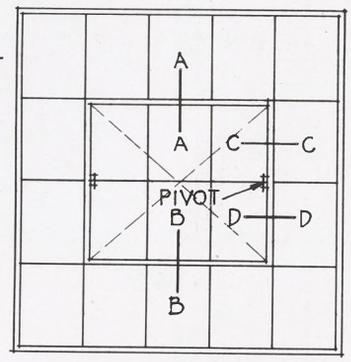
SECTION A-A AT
TOP OF VENTILATOR



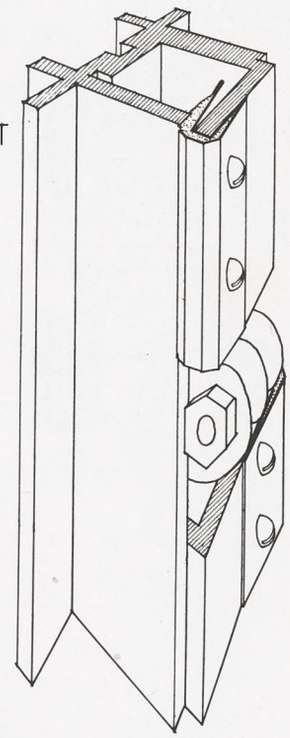
SECTION D-D AT
JAMB BELOW PIVOT



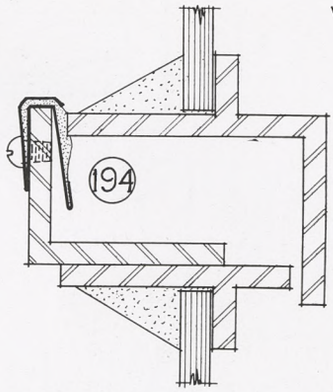
BRONZE Nº 198 USED
ON HINGE SIDE OF
CASEMENT SASH



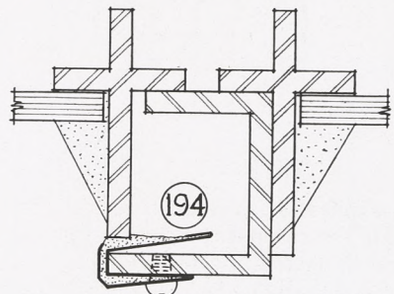
STANDARD UNIT WITH
VENTILATOR IN CENTER



VIEW OF VENTILATOR
AT PIVOT



SECTION B-B AT
BOTTOM OF VENTILATOR



SECTION C-C AT
JAMB ABOVE PIVOT
FULL SIZE

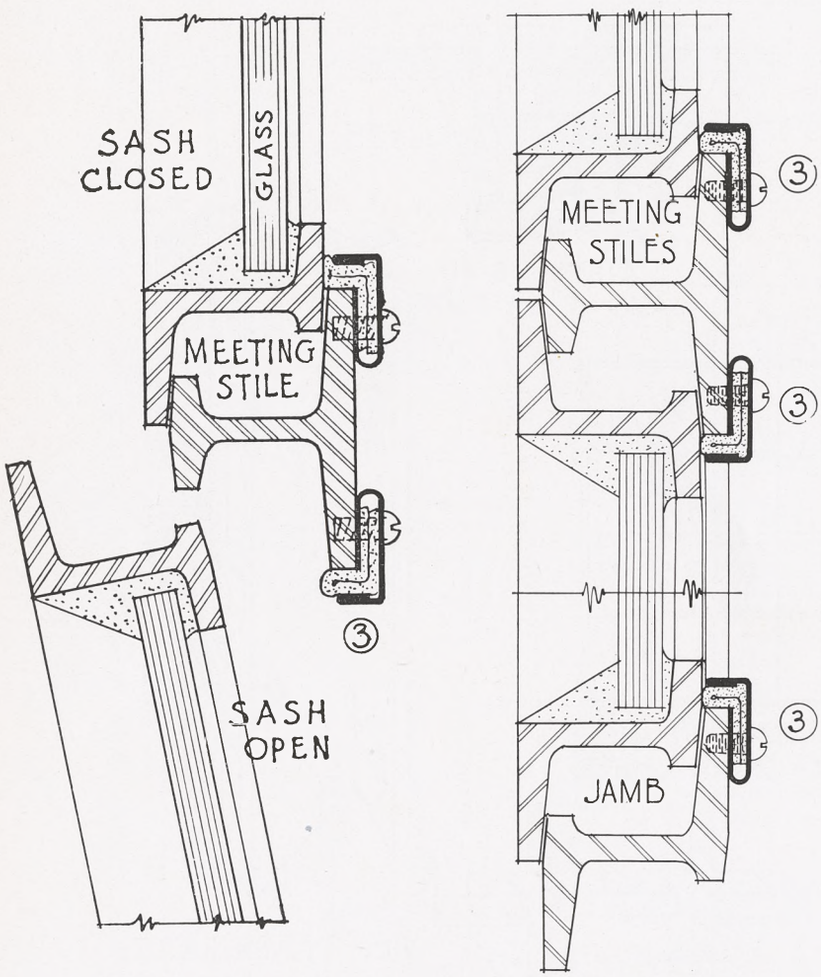
Top of Ventilator	194
Bottom of Ventilator	194
Jamb Above Pivot	194
Jamb Below Pivot	194

BRONZE		
No.	Gauge	Thickness in Inches
194	30	.010
198	30	.010

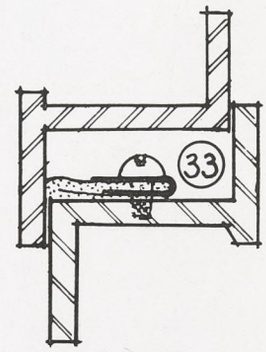
SPECIFICATION

Install on all ventilator units of steel factory sash Athey No. 150 bronze cloth lined weather strip equipment, all carefully aligned for full contact and tight seal, all intersecting members mitred and all parts securely fixed in position, using self-tapping screws.

ATHEY Nº 160 EQUIPMENT
FOR
COTTAGE TYPE STEEL CASEMENTS
SCALE— FULL SIZE

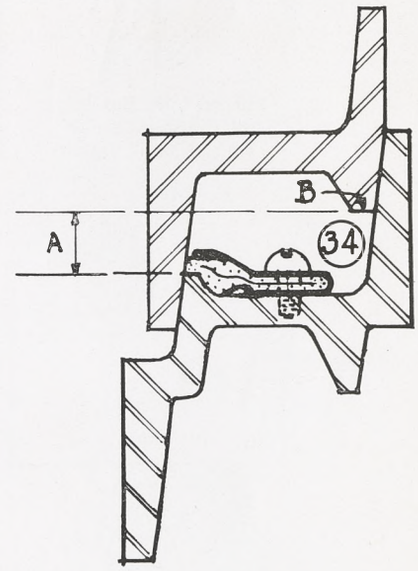


No. 3 strip as applied to frame and weather bar member of casement sash where screens or trim do not interfere with this type of installation.



Suggestion for weather stripping casement windows where screens or wood trim prevent installation of No. 3 strip to face of weather bar.

No. 33 Bronze and Felt weather strip as applied inside of channel on Cottage Casement sash.



No. 34 Bronze and felt strip can also be applied to inside of channel on the above type of casement sash provided there is ¼" clearance at "A" to permit sash at "B" to pass over strip.

Head	3
Transom Bar	3
Sill	3
Jamb	3
Meeting Stiles	3

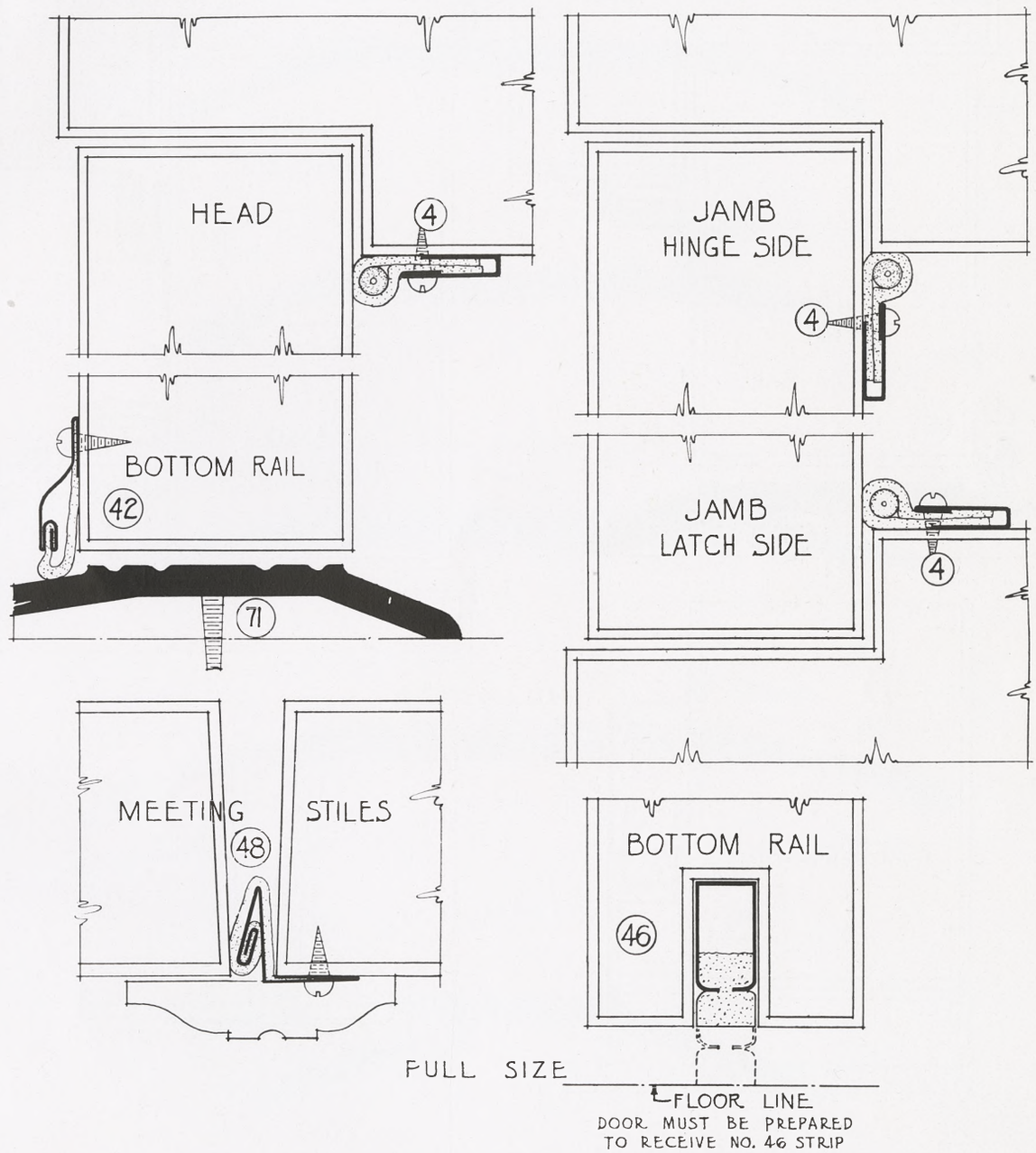
BRONZE		
No.	Gauge	Thickness in Inches
3	26	.015

SPECIFICATION

Install on all (cottage type) steel casement windows Athey No. 160 bronze cloth-lined weather strip equipment, all carefully aligned for full contact and tight seal, all intersecting members mitred and all parts securely fixed in position, using self-tapping screws.

ATHEY № 170 EQUIPMENT
FOR
METAL CLAD OR HOLLOW METAL FIRE DOORS

SCALE— FULL SIZE



Head	4
Jambs	4
Bottom of Door	42 and 71
Bottom of Door	46
Meeting Stiles	48

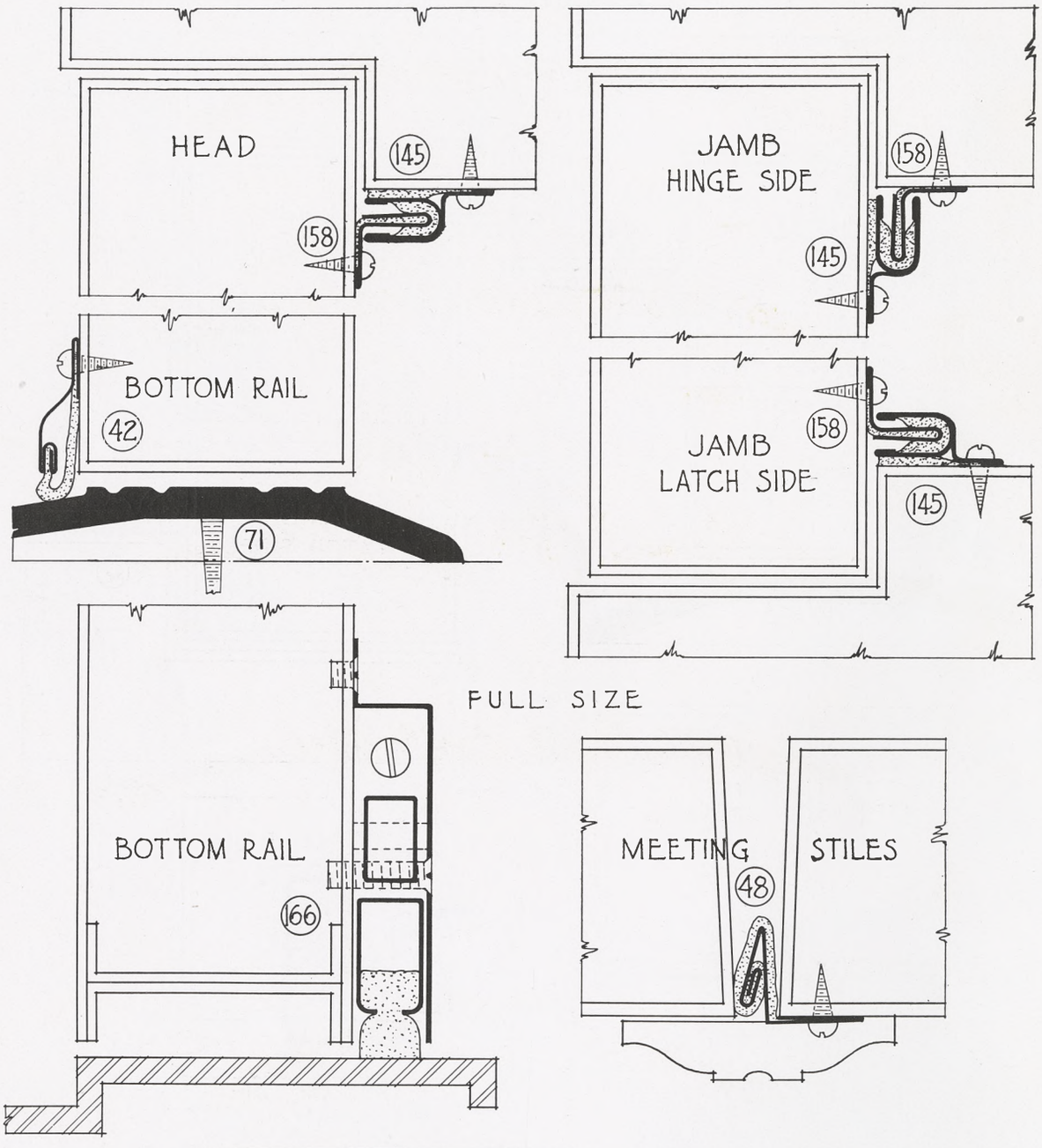
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
4	25	.0179	9	.018
42	28	.0125	....	....
46	....	....	....	....
48	30	.010	....	....
71	Extruded Brass		....	....

SPECIFICATION

Install on all metal clad and/or hollow metal (fire) doors Athey No. 170 (zinc or bronze) cloth lined weather strip equipment, using No. 42 bottom strip and No. 71 extruded brass threshold (or other threshold as shown in catalog) (or No. 46 automatic closing door bottom) all carefully aligned for full contact and tight seal and all parts securely fixed in position.

ATHEY Nº 180 EQUIPMENT
FOR
HOLLOW METAL EXIT DOORS

SCALE- FULL SIZE



FULL SIZE

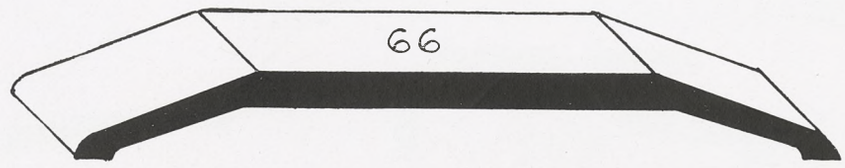
Head	145 and 158
Jambs	145 and 158
Bottom	42 and 71
Bottom	166
Meeting Stiles	48

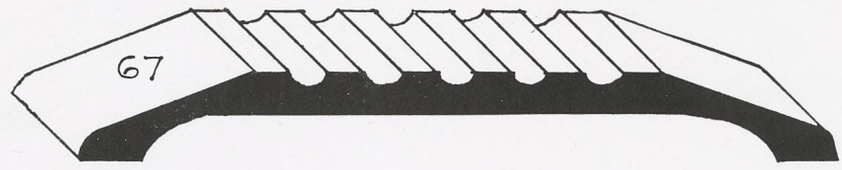
	BRONZE		ZINC	
No.	Gauge	Thickness in Inches	Gauge	Thickness in Inches
145	25	.0179	9	.018
158	25	.0179	9	.018
42	28	.0125	....	....
48	30	.010	....	....
71	Extruded Brass			
166	Steel			

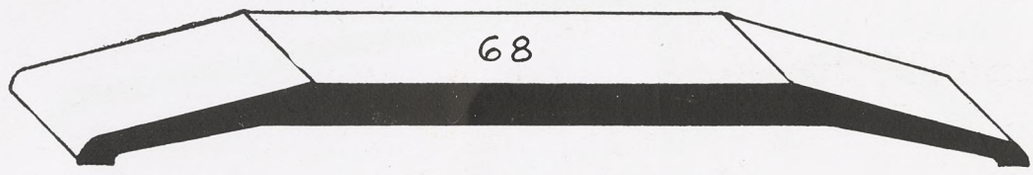
SPECIFICATION

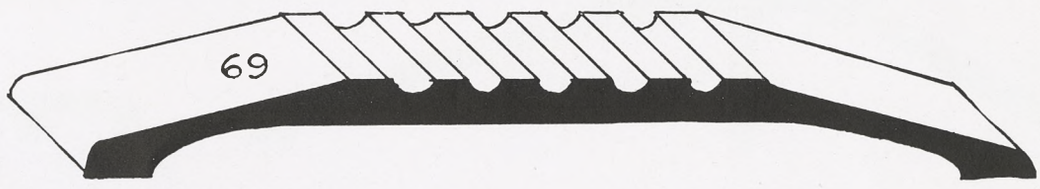
Install on all hollow metal exit (or fire) doors Athey No. 180 (zinc or bronze) cloth lined weather strip equipment, using No. 42 bottom strip and No. 71 extruded brass threshold (or other threshold shown in catalog or No. 166 automatic closing door bottom) all carefully aligned for full contact and tight seal and all parts securely fixed in position.

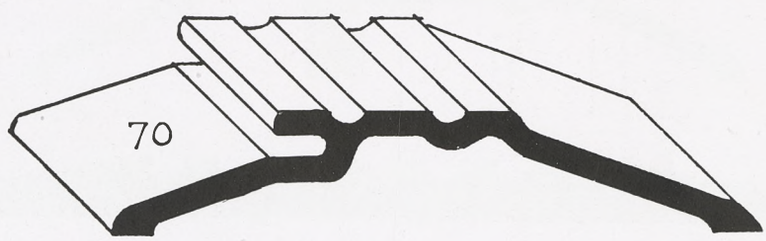
FULL SIZE SECTIONS OF THRESHOLDS

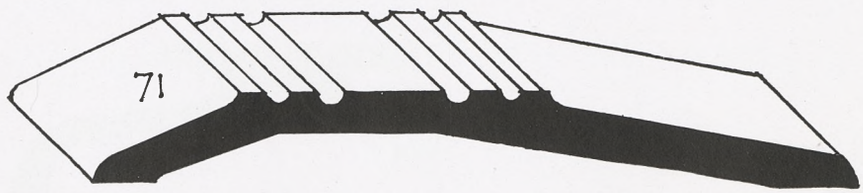






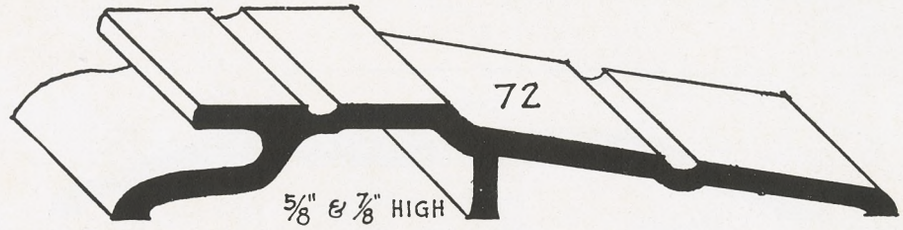


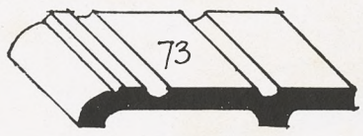


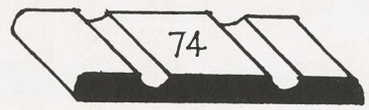


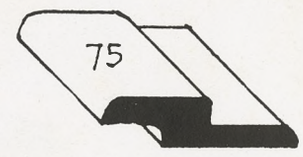
ACTUAL SIZE

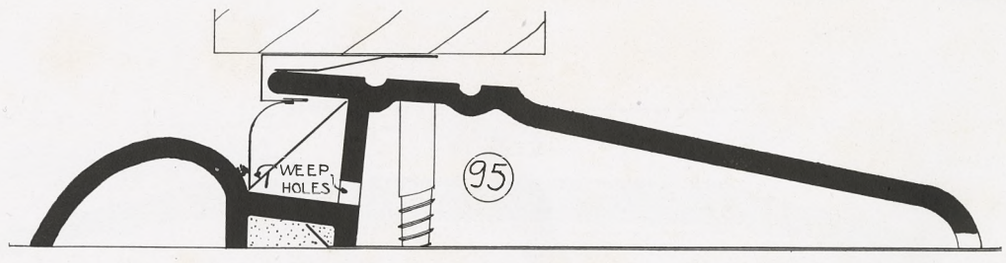
FULL SIZE SECTIONS OF THRESHOLDS

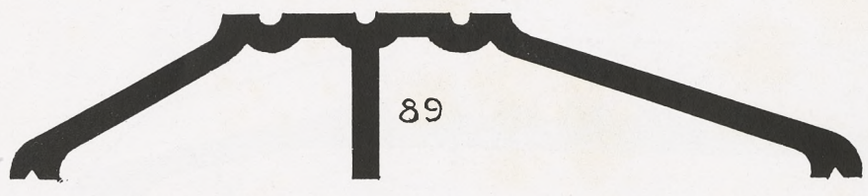


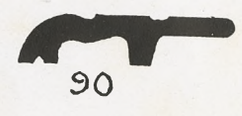


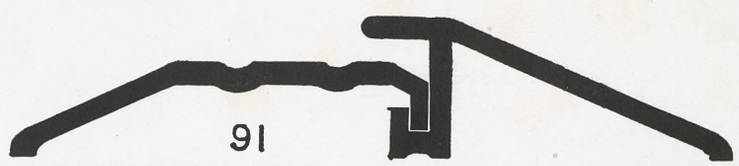


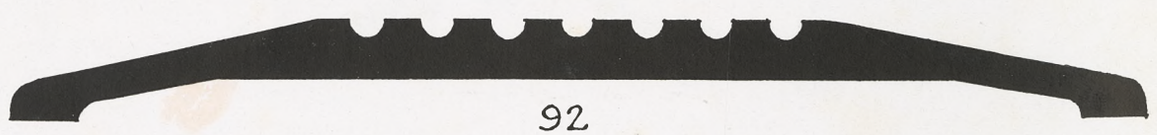


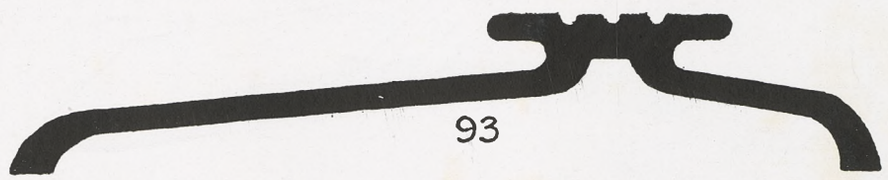












ACTUAL SIZE

Athey Company

OTHER ATHEY QUALITY PRODUCTS

- Athey Sealtite Caulking Compound
- Athey Pleated Cloth Window Shade
- Athey Disappearing Skylight Shade
- Athey Venetian Blinds

INFORMATION AND PRICES GLADLY GIVEN ON REQUEST

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