694.8

# FACTS OF INTEREST TO ARCHITECTS

ABOUT

# MASON SAFETY TREAD.



# AMERICAN MASON SAFETY TREAD CO.

HENRY C. KING, Treasurer

40 Water St., BOSTON, MASS,

## INDEX.

PUBLIC WORKS
HOSPITALS AND INSTITUTIONS
RAILROAD STATIONS
SCHOOL HOUSES.
OFFICE AND MERCANTILE BUILDINGS
ADARTMENT HOUSES.
UNITED STATES NAVY
REFAIR WORK.

## SEND TO US

For any further information; for a descriptive pamphlet; for a sample of our product; for a blue print illustrating methods of applying Mason Safety Tread; or for a blue print showing details of the Mason Safety Sidewalk Light.

## SAFETY, DURABILITY, ECONOMY.

For the information of architects who are unfamiliar with the construction and uses of the Mason Safety Tread, we issue this special circular, in the belief that when the metis of that device are known its use will become well-nigh universal. During the two years since is introduction in this country it has rapidly gained in lawor as a building accessory, and as a means of repairing the stairways of old buildings, the smooth brorders of side walk lights, inclined passages, etc., giving a secure foothold wherever used. It enables the builder to provide a permanently asset stairway, as the Safety Tread will not wear hollow or shelving like wood, slate, or marble, and while having the durability of steel

## Will Not Become Slippery Like Iron.

Mason Safety Tread in the manner customary among the best architects, is the most durable, the safest, and the most economical form of stair construction for a mercantile or office building, factory or warehouse, school house or office public building. We are prepared to maintain this not only by reason but by experience, and to support it by the endorsement of a goodly number of architects whose names will be at once recognized as among the most eminent in the profession.

In Boston, the headquarters of the American Mason Safety Tread Co, this protective device has proved so acceptable that not only are hundreds of stores and mercantile buildings provided with it upon stairs and sidewalk lights, but a large majority of the buildings now in process of erection or designing have Mason Tread specified by the architects, who recognise the advantage of its use.

### How it is Applied to Stairs.

The usual method of application is to have the intreads cast with a relater or sinkage extending to with three inches of either end, and from six to ten inches for the extreme front edge toward the riser. In this sinkag the Safety Tread is firmly attached with screws, give a level surface for the entire step, with the exception the V grooves, in which all dust or dirt settles and early surget out. The portion of the tread not covere early surget out. The portion of the tread not covere to the taste of the properties of the tread with read to to the taste of the properties. The use of the Safet Tread with nosing to lap over; the edge is optional. W recommend in most cases the skinch width withon nosing.

Progressive architects have heretofore been largely pre cluded from the use of iron stairs by the fact that the treads soon become polished by war, and are extremel dangerous. Marble and slate have been used as substatutes where a freproof substance is required, but in add tion to the danger of slipping on these materials it is we known that they become hollowed and shelving to such a extent that they are unfit for use in a few years in a buy place. The Mason Tread overcome this difficulty.

## It Does Away with all Objection to the Use of Iron,

and enables the construction at low cost of a fireproduction a

protective appliance known.

The Mason Safety Tread consists of a base of h rolled steel, from which rise ribs forming dovetail groc at intervals of about one-quarter of an inch. This quarter

at intervals of about one-quarter of an inch. This quarter inch space contains a V groove extending half way to the bottom of the metal. The dovetail grooves are filled wit lead solidly rolled in and firmly held. The great durabilit of the Safety Tread is due to the firmness of the steel ribs which take the means of the steel ribs.

## Why We Call it "Unwearable."

To prove the extreme durability of the Mason Safet Tread we need only mention one notable instance and many of its successful use. The trustees of the Brookly Bridge, who made their first trial of the Mason Safet Tread over two years ago, soon adopted it for all the stairways of that great structure, and now use not all extravays of that great structure, and now use not all given, as these stairs are constantly in use, and official statistics show that 1,000,000 persons pass over them ever week, and the treads are still in good condition.

declare with confidence that when subjected to ordinary conditions of travel. Mason Safety Tread upon a stair way will outlast the building in which it is used. The use of the Mason Safety Tread upon the stairs and platforms of the Boston Subway is a high testimonial to its merit from men of the highest professional attainments and reputation, who investigated thoroughly before selecting it for this use, and the completed work justifies their confidence.

In the following pages we can attention to some of the work specified by architects, to illustrate the character of buildings in which the Mason Safety Tread is found most desirable by those who have become familiar with its use.

## PUBLIC WORKS.

Boston Transit Commission. Eight stations on the Common for entrance to and exit from the Subway. In every station there is an average of 33 iron steps and two handings or platforms. Upon these statis Mason Safety Tread was applied, in a sinkage cast for the purpose, I will be a subject to the state of the purpose of material used is from 15 inches to 3 feet 8 inches wide. This work has been completed and in use since September 1597. (Whedwight & Hawa, architects.) Haymarket Square Station, Boston Subway. The iro stairs to this structure are covered with Mason Safet Tread 7 1-2 inches wide, attached to supports embedde

n granolithic. (Howard A. Carson, chief engineer.)
Subway Stations, Adams Square and Scollay Squar
Iron treads to be covered with Mason Safety Trea

(Charles Brigham, architect.)

Charles Brignam, architect.)

Elevated Stations. The successful design for station
of the Boston Elevated Railroad has Mason Safety Tres
specified for use upon the stairways, experience havit
shown its great value for use where the traffic is constant
(A. W. Longfellow, Ir., architect.)

Ventilating Gratings. At various places along the lift of the Subway ventilating shafts are arranged. These at covered with steel gratings with half-inch bars, each be capped with a strip of Mason Safety Tread of the sam width. (Howard A. Carson, chief engineer.)

New York and Brooklyn Bridge. The 34 main state ways of this structure are of wood, and all are protected by the use of Mason Safety Tread 7 1-2 inches with

by the use of Mason Safety Tread 7 1-2 inches wit placed upon the surface. This work has given thoroug satisfaction, and every stairway added is promptly equippe with the same material. (C. C. Martin, chief engine and superintendent.)

Commonwealth of Massachusetts. About 1200 squa feet of artificial stone sidewalk covering an incline au two curved entrances on Bowdoin Street, was laid wi wo-inch strips of Mason Safety Tread embedded short intervals in the plastic material. The walk is th rendered safe in all conditions of weather. (E. W. Bo

New Head House, South Ferry, City of Boston. To thorough satisfaction given by the Mason Safety Tre used as repair material on the old ferry houses and fee boats has led to its adoption for use upon the wood

6

State Lunatic Asylum, Worcester, Mass., \$75,000. Eigliron stairways to be covered with Mason Safety Trea (Fuller, Delano & Frost, architects.)

(Fuller, Delano & Frost, architects.)

State Hospital for the Insane, Acute Building, 209 x 3
\$70,000, Westboro, Mass. Iron stairs to be covered wit
Mason Safety Tread. (Kendall, Taylor & Stevens, arch

Boston City Hospital, new Laundry building, All Street. Nine flights iron stairs, to be covered with M:

Cambridge City Hospital. Iron stairs, to be covere with Mason Safety Tread. (Wheelwright & Haven, arch

Also repairs covering stairways in Boston City Hospital Carney Hospital, St. Elizabeth's Hospital, and Emergenc Hospital, Boston.

### RAILROAD STATIONS.

Southern Terminal Station, Boston. This great railross terminal, which will be the largest as well as the mobil stantial and beautiful in the world, equipped with every known provision for the safety and convenience of the traveling public, will have its twenty or more iron stati-ways and numerous platforms covered with Mason Safety Tread, requiring over 2000 square feet of the material. (Shepley, Ruta & Coulidge, architects.)

Dartmouth Street, Boston. Boston & Providence Rai road. All iron stairs and platforms to be covered wit Mason Safety Tread. (Shepley, Rutan & Coolidge, arch tects.)

Union Station, Omaha, Neb. Stairs of iron, treads to b covered with Mason Safety Tread. (Walker & Kimbal

Boston, architects.)

Also platform border in Illinois Central Railroad sta-

## SCHOOL BUILDINGS.

Six flights iron stairs, to be covered with Mason Safety

Brayton Avenue Grammar School, Fall River, Mass. Mason Safety Tread (A. M. Marble, architect.)

Three flights wood stairs, to be recessed for Mason Safety

through, repaired with Mason Safety Tread of inches

## MERCANTILE AND OFFICE BUILDINGS.

offices. Eighteen flights iron stairs and numerous landings, to be covered with Mason Safety Tread. (Loring &

Boston, Stephen L. Bartlett estate, Hon. John D. Long,

Francis Estate Building, corner of Chauncy and Avon Streets, Boston. Eight stories, 70x110. To be occupied by Jordan, Marsh & Co., for retail furniture warerooms and other purposes. Twenty-four iron stairways, covered with Mason Safety Tread. (Winslow & Wetherell, architects.)

Lowney Building, Commercial Street. Walter M. Lowney Co., owner. Large building for the manufacture of chocolate candies. Four iron stairways and all thresholds covered with Mason Safety Tread. (Dean & Main, mill engineers.)

Tufts Building, Congress Street. Seven stories, fireproof construction. James W. Tufts, manufacturer of soda fountains. Factory and warerooms. Seventeen flights iron stairs, covered with Mason Safety Tread.

(Rand & Taylor, Kendall & Stevens.)

Mercantile Building, corner India Street and Atlant Avenue, Alex. S. Porter, trustee. Brick, \$100,000. Stor and lofts. Nine flights of iron stairs to be covered with the covered with the control of the covered with the control of the covered with the covered

Mason Safety Tread. (Charles E. Park, architect.)
Russia Building, corner Atlantic Avenue and Congress

Street. Boston Real Estate Trust, owner. Seven stories, fireproof construction, \$100,000. Boston Woven Hose and Rubber Co. Offices and warerooms. All entrances and thresholds covered with Mason Safety Tread. (Peabody & Steams, architects.)

Pavilion and Albion Buildings, corner Tremont and Beacon Streets. Nine stories, fireproof construction. Occupied by Houghton & Dutton, one of the largest department stores in New England. Twenty wide stairways of iron recessed for Mason Safety Tread. Portion not covered finished with grooves in imitation of same.

(Burr & Sise, architects, )

Ellis Building, 270 Congress Street. Boston Real Estate
Trust, owner. Seven stories, fireproof construction.

Occupied by American Type Founders Co. Seven flights

Taylor, Kendall & Stevens.)

Converse Building, corner Milk and Pearl Streets

iron stairs covered with :

& Wetherell, architects.)

Alice Building, Providence, R. I. Joseph Baniga owner. Seven stories, \$150,000. Fireproof construction Stores and offices. Eighteen flights iron stairs covere

with Mason Satety Tread. (Martin & Hall, architects.)

Kent Building, corner Kilby and Doane Streets, Boston

Large office building. Seven flights of iron stairs, to be

covered with Mason Safety Tread. (Winslow & Weeth

erell, architects.)

Cambridge Savings Bank, Cambridge, Mass. Three stories. Four flights iron stairs covered with Mason Safety Tread. (C. H. Blackall, architect.)

Brookline Savings Bank, Brookline, Mass. Iron stairs covered with Mason Safety Tread. (F. Joseph Untersee,

Besse Building, Springfield, Mass. L. W. Besse, owner. Brick, five stories, \$70,000. Stores and offices. Stairs of iron, covered with Mason Safety Tread. (B. H. Seabury, architect.)

## APARTMENT HOUSES.

In this class of work marble or slate has been more frequently used, but by the use of Mason Safety Tread architects may now with advantage avail themselves of the lower cost ornamental iron stairways, and many are specitying its use for both iron and wood treads. We mention the following from among the work specified for this class of buildings:

Apartment House, cor. Salem Street and Bartlett Place, Boston. Max Leibman, owner. Five stories. Thirteen flights iron stairs and four entrances to be protected with

1

Apartment House, corner Waterman and Benefit Streets, Providence. R. I. Investment Co. Six stories (\$175,000.) Iron stairs from basement to roof, to be covered with Mason Safety Tread. (Martin & Hall, architects.)

apartments. Four flights iron stairs, covered with Mason

Safety Fread. ( J. A. Hasty, architec

Apartment House, Dorchester, Mass. Wood stairs, to be covered with Mason Safety Tread. (R. E. Sawye architect.)

Building for E. A. Bangs, corner Massachusetts Avenu and Norway Street. Five stores and thirty-two apar ments (\$130,000.) Seven flights iron stairs, to be covere with Massa Safatt Teach (I.M. 1998).

Randolph Hall. Dormitory for students of Harvard University, Cambridge, Mass. (Coolidge & Wright, architects.)

## IN THE U. S. NAVY.

Various tests of the Mason Safery Tread have been scale by constructors in the Navy Parks by orders from the Navy Department, and it has proven so satisfactory that repulsiblens have been made for its use upon severable states that the position of the navigation o

The Safety Tread has also been used to some extent in the great passenger steamers of the transatlantic lines the material with brass base is especially desirable for use pon yachts or steamers where elegance as well as safety

sought

## REPAIR WORK.

durable repairs can be made upon worn stairways. We to the fact that the agents or trustees of many of the

a width of o 1-2 inches. These stairs were fluted or ribbed, but had become so smooth by wear that many from slipping. The work was done by order of Mayor

Mason Safety Tread, which not only protects the surwhich were formerly very dangerous. Heavy boxes and

covered with grease. (George E. McKay, superintendent.) Jordan, Marsh & Co., retail dry goods, Washington of frequent accidents caused by the smoothness of the retaining edge. This edge was planed off and the steps covered with Mason Safety Tread to the depth of 7½ inches, insuring protection to the extreme edge. Several other orders have been executed for this firm.

R. H. White & Co., Washington Street, Boston. Marble landings recessed for Mason Tread, three flights wood-

en stairs, and several additional orders

Shepard, Norwell & Co., retail dry goods, Temple Place, Boston. Main flight wooden stairs, curved front, covered with Mason Safety Tread with brass base; also thresholds and other repairs.

Boston. Entrances, stairways, and inclined passages in store. We have executed ten different orders for this firm in the past two years, showing that they are abundantly pleased with our work.

J. A. Hearn, Sixth Avenue and Fourteenth Street, New York. Retail dry goods. All the wooden stairs in this large store, eight flights, badly worn, have been put in the best possible condition by placing Mason Safety Tread, 74 inches wide, in recesses cut in the front edge. (John B. Snook & Sons, architects, in charge).

Adams House, Washington Street, Boston. Marble and granite stairs covered with Mason Safety Tread. The same use has been made of this material in many other hotels. The stairs leading from office to lavatory and those from kitchen to dining room are most frequently found to need this material.

Boston Art Club, Dartmouth Street. Wide flight of winding iron stairs leading to Art Gallery worn to a dange ous smoothness. Perfectly protected by Mason Safet Tread (Cop. T. Tilden architect).

ous smoothness. Perfectly protected by Mason Safety Tread. (Geo. T. Tilden, architect.) Several flights of badly worn stairs have been leveled up and covered with Mason Safety Tread, in the National iron stairs used as an employés' entrance to York Post Office. These were worn smooth and and several accidents had occurred upon them by

U. S. Post Office, Lowell, Mass. All the outer step and landings, of granite, worn smooth, were covered wit Mason Safety Tread after having caused several seriou falls. One lady received permanent injuries, and presente a claim for relief. The repairs were made by order of th Architects' Division of the Treasury Department.

Co., owner. Four flights wooden stairs in this building covered with Mason Safety Tread. (Stone, Carpente & Willson architects.)

& Willson, architect

stairs, inside and outside the building, worn smooth and covered with Mason Safety Tread.

covered with Mason Safety Tread.

Society for Savings Building, Cleveland, O. Mat of

granite in vestibule, worn to dangerous smoothness.
Union Loop, Chicago. The stairs of five elevated sta

tions are covered with Mason Safety Tread.

Essex County Court Houses, Lawrence and Salem,

The Mason Tread is very desirable for protecting the treads of stairs in mills and factories, avoiding claims for damages on account of injuries caused by defective stairs. We refer to the Pacific and the Atlantic Mills in Lawrence for satisfactory instances of such use, and to Mr. Edward Atkinson, President of the Boston Manufacturers' Mutual Fire Insurance Co., who has recommended the Mason

## CHURCHES.

Mason Safety Tread has been largely used in repairing and protecting the exterior and interior stairs of charches, and has been found mobilectionable in every particular. We name especially St. Patrick's, St. James's, St. Stephen's, the Mission Church, and St. Augustiné's in Boston, St. Patrick's in Lawrence, and St. Patrick's in Livin, where the Mason Safety Tread has been largely used upon wood, iron and stone. In churches which are constaintly open for the devotions of the faithful and where frequent masses and other services are held, the entrances are subject to almost constant wear and require protection.

We are informed by some of the largest church builders in New York and Boston that they are so well satisfied with the Mason Safety Tread as used in repair work, they will make liberal use of it in their specifications for churches now being designed for large cities throughout the country.

## MASON SAFETY COAL HOLE COVERS.

In the larger cities there is no greater source of danger to the pedestrian than the coal hole covers, which are usually found to be worn to a dangerous condition of smoothness, and which frequently project an inch or more above the walk. We manufacture a Safety Coal Hole Cover, in which the surface is protected with strands of lead. This has proved a perfectly efficient cover, stopwaterstight, and non-slipping. Hundreds of them have been placed in the sidewalks of Boxton during the past two years, and architects specify their use. We make them both solid and Illimniated, and furnish them on with them both solid and Illimniated, and furnish them of

These covers have been proved to be extremely durable, and their advantage is particularly noticeable on a frosty morning. Any size or shape not carried in stock will be made to order.

We have devised a Safety Light with protected borders with strands of lead to render them non-slipping. We are thus enabled to make the percentage of glass surface

The Mason Safety Sidewalk Light meets with the and already has been specified for the following named Mercantile Building, for Boston Real Estate Trust,

Mercantile Building for the S. S. Pierce Co., Dartmouth

Mercantile Building, Oriental Tea Co., Court Street, Boston. Old Hvatt light replaced by the Mason Safety

Jewelers Building, corner Washington and Bromfield sinkage in which four-inch strips of Safety Tread are

# AMERICAN MASON SAFETY TREAD CO.

Dill Will DC

Post Building, Washington, D. C.

1551 Marquette Building, Chicago, Ill. 1011 Chestnut St., Room 682, Philadelphia, Pa.

1005 Society for Savings, Cleveland, O.

. ...

New York Safety Tread Co., 80 Greenwich St., New York.

ALSO LONDON, CLASCOW, PARIS, AND BERLIN.

## MASON SAFETY TREADS

ARE PERFECTLY

NON-SLIPPING. NOISELESS. UNWEARABLE.

ODORLESS. EASILY APPLIED.

EASILY CLEANED.

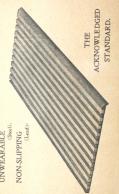
Not Affected by Cold, Heat, Dampness, Snow,
Oil, or Grease.

At least Seven of every Ten Public or Mercantile Buildings being erected in Boston are equipped with MASON SAFETY TREAD.

MASON SAFETY TREAD.

The Only Method of securing Permanent Protection to the Danger Point—the Front Edge.

## MASON SAFETY TREA



Endorsed, Recommended, and Used Prominent Architects.