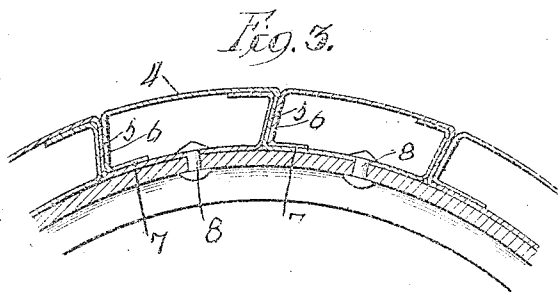
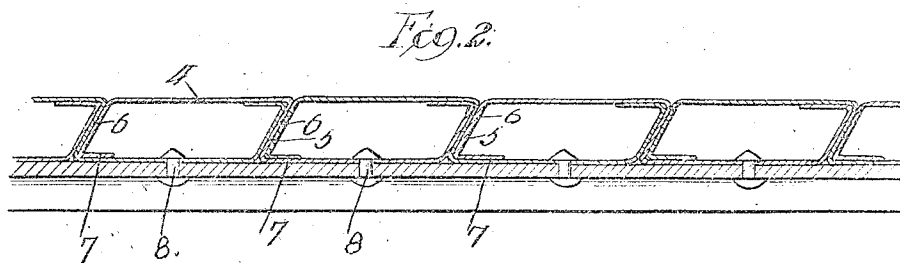
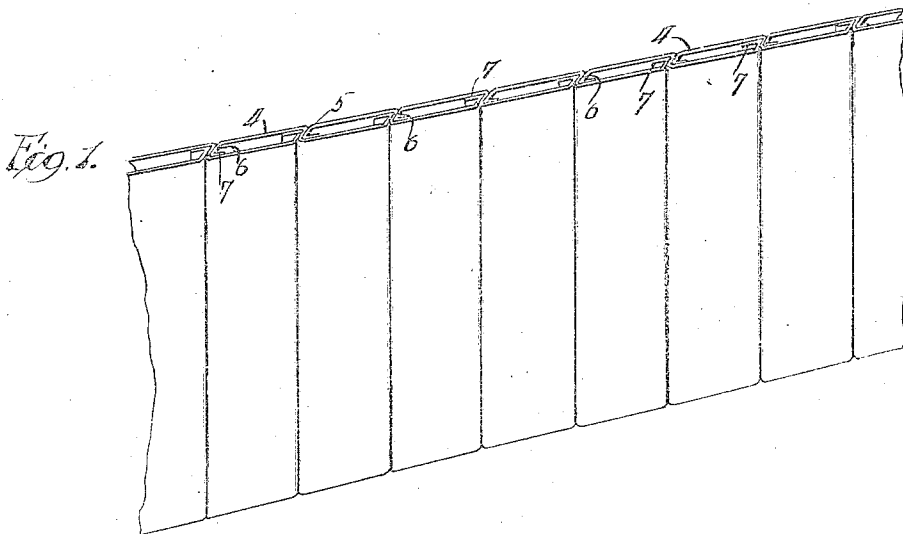


L. J. BERG.
METALLIC SHEATHING.
APPLICATION FILED OCT. 20, 1908

936,232.

Patented Oct. 5, 1909.



Witnesses:
Wm. C. Bond
Carroll H. Banning.

Inventor
by *Lars J. Berg*
Banning & Banning
Attys.

UNITED STATES PATENT OFFICE.

LARS J. BERG, OF CHICAGO, ILLINOIS, ASSIGNOR TO METALLIC SHEATHING COMPANY,
A CORPORATION OF ILLINOIS.

METALLIC SHEATHING.

936,232.

Specification of Letters Patent.

Patented Oct. 5, 1909.

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To all whom it may concern:

Be it known that I, LARS J. BERG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metallic Sheathing, of which the following is a specification.

The sheathing of this invention is intended more particularly for use in covering car bodies; and the object of the invention is to provide a sheathing which may be applied to the car body, or other structure, in sections, and individually secured thereto in such manner as to provide a plurality of independent air spaces between the walls of the sheathing, and to provide finished surfaces on both sides of the sheathing. The sheathing of the present invention is so formed that the attaching means, whereby the sheathing is secured, will be hidden in the completed structure, which renders the sheathing peculiarly adapted for use on passenger cars in which it is desirable to simulate the appearance of wood.

In the drawings Figure 1 is a perspective view of a section of sheathing embodying the present invention; Fig. 2 a longitudinal sectional view of the same, showing the mode of attachment; and Fig 3 a section of sheathing attached to a curved surface.

The sheathing proper comprises a plurality of sections of substantially S shape, each of the sections comprising a pair of outer walls 4 offset with respect to one another and connected by means of a diagonally extending intermediate wall 5. The outer walls terminate in oppositely disposed inwardly extending end walls 6, which are parallel with the intermediate wall 5, and extend obliquely with respect to the outer walls. The end walls terminate in reversely turned flanges 7, and the end walls 6 are slightly shorter than the intermediate wall, so as to bring the flanges 7 into position to contact the inner angles on opposite sides of the connecting cross wall of the companion section of sheathing. The sheathing is adapted for attachment to any suitable frame or surface by means of bolts or rivets 8 which are entered through the main walls of the sections of sheathing.

In use the end section of sheathing is secured in place by means of the bolts or rivets referred to, after which the next adjacent section of sheathing is applied by

interlocking it with the first section in such manner as to bring the obliquely disposed end wall 5 into register with the overhanging wall 6 of the section first applied. With the parts thus positioned the obliquely disposed end wall of the first applied section will engage the obliquely disposed cross wall of the section last applied, and this interlocking or telescoping of the parts into one another serves to rigidly secure the sections of sheathing to one another, and at the same time permits each section to be individually fastened by a bolt or rivet which will be hidden by the application of the next succeeding section. The sections thus interlocked afford air chambers or spaces within the sheathing which are highly desirable in that they serve to insulate against heat and cold and to protect the inner surfaces of the sheathing against the action of the elements.

The construction is one which is uniform on both sides, so that a finished surface will be presented on either side, which is desirable in certain forms of car construction. The channeled formation of the sheathing, as a whole, greatly adds to the strength of the sheathing, and the provision of parallel seams or joints gives to the sheathing, as a whole, the appearance of wooden sheathing, so that cars provided with the metallic sheathing of the present invention cannot be distinguished from wooden cars of ordinary construction.

What I claim as new and desire to secure by Letters Patent is:

1. A metallic sheathing comprising a plurality of sections of substantially S formation, each of the sections comprising outer walls of equal width offset with respect to one another and connected by an obliquely extending intermediate wall, the outer walls terminating in obliquely extending end walls, the sections being interlocked with one another in position to bring the end walls of one section into register with the intermediate walls of the next adjacent sections, and fastening means, as bolts, entered through the side walls on one side of the sheathing, substantially as described.

2. A metallic sheathing comprising a plurality of sections of substantially S formation, each of the sections having side walls offset with respect to one another and connected by means of the obliquely extending

intermediate wall, the side walls terminating in inwardly and obliquely extending end walls terminating in reversely extending flanges, the sections being interlocked by
5 bringing the end walls of one section into register with the intermediate walls of the next adjacent sections, and fastening means, as bolts, entered through the side walls on one side of the sheathing, substantially as
10 described.

3. A metallic sheathing comprising a plurality of sections of substantially S formation, each of the sections comprising outer walls offset with respect to one another, and
15 connected by means of an intermediate wall

so disposed as to provide an overhanging shoulder in conjunction with one of the side walls, the side walls terminating in inwardly extending end walls having a formation to closely engage with the intermediate walls
20 of the adjacent sections, and underlie the shoulders formed by such intermediate walls and interlock therewith, and fastening means, as bolts, entered through the side walls on one side of the sheathing, substan-
25 tially as described.

LARS J. BERG.

Witnesses:

PIERSON W. BANNING,
WALKER BANNING.