

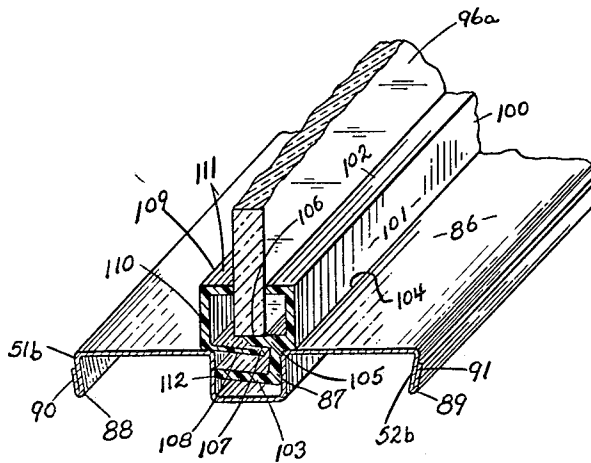
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GROUTING ASSEMBLY

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3,218,769

GROUTING ASSEMBLY

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Original application Jan. 12, 1962, Ser. No. 165,834, now
Patent No. 3,125,193, dated Mar. 17, 1964. Divided
and this application June 17, 1963, Ser. No. 294,211
3 Claims. (Cl. 52-400)

This is a division of application Serial No. 165,834,
filed January 12, 1962, now Patent No. 3,125,193, pat-
ented March 17, 1964.

This invention relates to grouting assemblies, and more
particularly to a pair of resilient grouting members, which
releasably engage and hold a panel within a surrounding
frame or partition member.

Briefly, in accordance with this invention the cost of the
partition and the complexity and time for assembly and
disassembly are materially reduced by providing a frame
which can be readily assembled by means of releasable
interlocking grouting members. The panels, e.g. glass,
are supported and held by the grouting members, which
are engaged in a groove placed in surrounding frame
members, and which readily release the panels upon re-
moval of one of the grouting members from the frame.

In the annexed drawing, there is shown a preferred em-
bodiment of the present invention which for exemplary
purposes is adapted to be employed as a wall extending
from the ceiling to the floor, or as a wall which extends
only a portion of the distance from the floor to the ceiling.

In the annexed drawing:

The figure is a fragmentary, a partially cut-away and
sectioned, perspective view of complements useful in ac-
cordance with the present invention.

Referring more particularly to the figure, there is shown
a plastic grouting, wherein the respective pair of grouting
members 100 and 109, have different cross-sectional con-
figurations, but which coat together and with a glass panel
96a to fixedly retain the glass panel 96a in the groove 87.
The interlocking grouting assembly is composed of the
first extruded plastic grouting member 100 having a web
101, a cross engaging flange 102 formed from one marginal
edge 101, a groove engaging flange 103 formed at one
opposed marginal edge of said web 101, a longitudinal
shoulder 104 parallel to said opposed marginal flanges 102
and 103, and an intermediately disposed flange member
105. Intermediate flange 105, which is also disposed in
parallel spaced relationship with respect to flanges 102 and
103, is provided in one surface thereof with a longitudinal
ridge 106, which is adapted to engage in interlocking rela-
tionship with a corresponding ridge 107 formed on the
flange 108 on the coating grouting member 109. Coating
grouting member 109 is also an extruded plastic material
having a general C-shape and comprising a web portion
110, marginal boundaries of which have been bent to
form opposed parallel spaced flanges 111 and 108. Flange
111 is adapted to engage the opposite side of glass panel
96a in clamping relationship with flange 102 of grouting
member 100. When glass panel 96a is in position as
shown in FIG. 1, the thickness of the glass panel 96a
exerts a compressive force against the flanges 102 and
111, which in turn further insures the stability of the in-
terlocking relationship between ridges 106 and 107 above
described. In the embodiment shown in FIG. 1, the free

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edge of flange 103 may be bifurcated as shown at 112 to
improve retention by the side wall of groove 87.

Thus, there has been provided a grouting assembly
which is particularly adapted for use with movable parti-
tion systems, and which is extremely simple and provides
one of the major factors in reducing cost and time of in-
stallation.

Other modes of applying the principle of this invention
may be employed instead of those specifically set forth
above, changes being made as regard to the details herein
disclosed, provided the elements set forth in any of the
following claims, or the equivalent of such be employed.

It is, therefore, particularly pointed out and distinctly
claimed as the invention:

1. A grouting assembly comprising in combination, a
pair of spaced abutments, a panel, a pair of elongated
resiliently flexible grouting members coacting between said
spaced abutments to receive and hold the edge of said
panel in sealing engagement therebetween, one of said
members having a web portion with first upper and lower
marginal flanges, the lower of said first marginal flanges
diverging outwardly from the upper flange and having a
greater dimension with an inwardly deformed outer edge
forming a first interlocking portion, the other of said mem-
bers having a web portion with second upper and lower
marginal flanges and an intermediate portion projecting in
spaced parallel relation between the second marginal
flanges, said projecting portion having an inwardly de-
formed outer edge forming a second interlocking portion,
said projecting portion and the lower of said second mar-
ginal flanges being successively greater in dimension than
the upper of said second marginal flanges, each of said
members disposed respectively along the exposed edges
of said spaced abutments with their upper flanges project-
ing toward the other respectively and with the first and
second interlocking portions coacting in interlocked rela-
tion to support the edge of said panel therealong, and
urging the upper of said first marginal flanges and the cor-
responding upper flange of said second marginal flanges
into coacting compression against opposed sides of said
panel to hold the panel therebetween, and the lower of
said second marginal flanges extending across the space
between the abutments with its free extremity in frictional
engagement with the opposite abutment to anchor the
assembly therein.

2. A grouting assembly comprising in combination a
framing member having a groove defining a pair of spaced
abutments, a panel, a pair of elongated resiliently flexible
grouting members coacting between said spaced abutments
to receive and hold the edge of said panel in sealing en-
gagement therebetween, one of said members having a
web portion with first upper and lower marginal flanges,
the lower of said first marginal flanges diverging out-
wardly from the upper flange and having a greater dimen-
sion with an inwardly deformed outer edge forming a first
interlocking portion, the other of said members having a
web portion with second upper and lower marginal flanges
and in intermediate portion projecting in spaced parallel
relation between the second marginal flanges, said project-
ing portion having an inwardly deformed outer edge form-
ing a second interlocking portion, said projecting portion
and the lower of said second marginal flanges being suc-
cessively greater in dimension than the upper of said sec-
ond marginal flanges, each of said members disposed re-
spectively along the exposed edges of said spaced abut-

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ments with their web portions respectively abutting the framing member adjacent said exposed edges and with their flanges projecting toward the other respectively and with the first and second interlocking portions coacting in interlocked relation to support the edge of said panel therealong, and urging upper of said first marginal flanges and the corresponding upper flange of said second marginal flanges into coacting compression against opposed sides of said panel to hold the panel therebetween, and the lower of said second marginal flanges extending across the space between the abutments with its free extremity in frictional engagement with the opposite abutment to anchor the assembly therein.

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3. A grouting assembly in accordance with claim 1 in which the free extremity of the lower of the second marginal flanges is bifurcated.

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RICHARD W. COOKE, JR., *Primary Examiner.*