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(54) **JOINT FOR CORRUGATED SHEETS**

(54) **JOINT DE FEUILLES GAUFREES**

2 Jointing piece for joining or seaming corrugated sheets,
3 and it has for its object the provision of means for mak-
4 ing such joints or seams which can be used over and over
5 again and which are simple to operate and cheap to con-
6 struct.

7 I attain this end by forming a junction or jointing
8 piece of two strips of corrugated sheeting of the same
9 pitch as the corrugations of the sheets to be joined or
10 seamed, said strips being rivetted or otherwise fixed to-
11 gether with suitable distance pieces arranged centrally
12 between them so as to form a groove along each edge, said
13 grooves being of segmental form in cross section.

14 These junction pieces are suitable and useful for
15 all corrugated sheet constructions but are especially
16 adapted for the construction of buildings, fences and the
17 like where the sheets form the walls as said junction
18 pieces afford much additional strength and support to the
19 sheets as will in some cases obviate the necessity for
20 any frame-work and in many cases will enable said frame-
21 work to be reduced to a minimum. These junction pieces
22 can also be usefully employed in the construction of tanks
23 bins and the like.

24 In the accompanying drawing which illustrates this
25 invention:-

26 Fig. 1 is a broken view in front elevation of the improved
27 junction piece,

28 Fig. 2 is a view in cross section thereof,

29 Fig. 3 is a view showing the method of applying the junc-
30 tion pieces, and

31 Fig. 4 is a view, showing by way of illustration, a circ-

2 Throughout the views similar parts are marked with like
3 letters of reference.
4 The junction or jointing pieces A consist of two strips
5 a & a of corrugated sheet which are fixed to one another
6 at a suitable distance apart by means of rivets b or the like
7 arranged longitudinally along the centre of the strips which
8 are kept at the required distance apart by distance pieces
9 c which may take the form either of washers or of a contin-
10 uous strip. The width of the strips a is such that the groov-
11 es d & d have a depth at least equal to the pitch or distance
12 between the centres of the alternate curves and the width of
13 said grooves is slightly in excess of the thickness of the
14 sheets x to be joined or seamed so that the junction pieces
15 can be brought into engagement with said sheets by an end-
16 wise sliding movement.

17 It will be seen that this improved junction piece forms
18 an effective double key against transverse disengagement and
19 although in the example shown each of said keys consists of
20 only a single corrugation the junction pieces can be made of
21 any width to include on each side any desired number of
22 corrugations. Further it will be apparent that these junc-
23 tion pieces may be embodied or combined with any desired
24 and convenient part of the structure such for instance as
25 parts of the frames of doors, windows or the like, and that
26 they can be bent along ~~their~~ longitudinal centre line to cause
27 the adjacent sheets to assume any desired angle in relation
28 to one another.

29 Then these junction pieces are employed to join or seam
30 sheets of a shape having other than parallel sides said
31 sheets are only corrugated along the edges or sides it is
32 intended to join up or seam.

2 can be employed with corrugated sheets of metal or any
3 other material and that no holes are required to be
4 made in the sheets. These junction pieces make a very
5 satisfactory joint for roofing sheets as they enable long
6 sheets to be used without necessitating the use of extra
7 purlins owing to their inherent stiffness and to said
8 junction pieces preventing any buckling of the sheets at
9 the edges.

I claim:-

1 1. A junction piece for making joints or seams of cor-
2 rugated sheets consisting of two strips of corrugated
3 sheet with the ridges and furrows running longitudinally,
4 distance pieces located between and centrally in relation
5 to the edges of said strips, and means for fixing said
6 strips together.

1 2. A junction piece for making the joints or seams of
2 corrugated sheets consisting of two strips of corrugated
3 sheet the corrugations of which are of the same pitch
4 and ~~run~~ lengthwise of said strips, distance pieces lo-
5 cated between said strips centrally in relation to the
6 edges of said strips, and means for fixing said strips
7 and distance pieces together.

1 3. A junction piece for making the joints or seams of
2 corrugated sheets consisting of two strips of corrugated
3 sheet of a width embracing three corrugations, distance
4 pieces located between said strips along the centre fur-
5 row and ridge respectively, and means for fixing said
6 strips to one another and to the distance pieces.

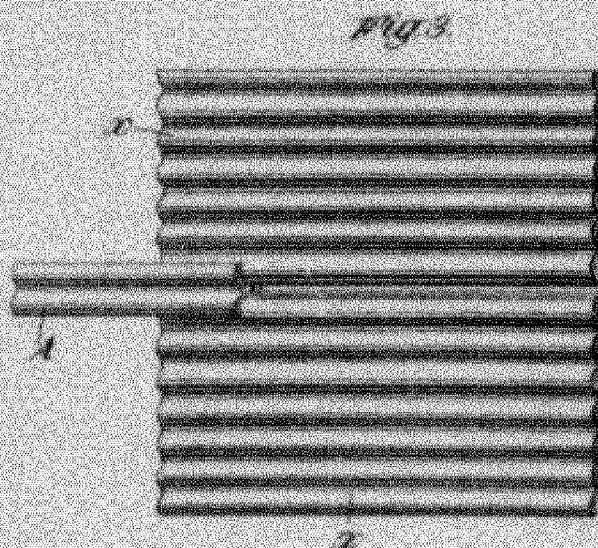
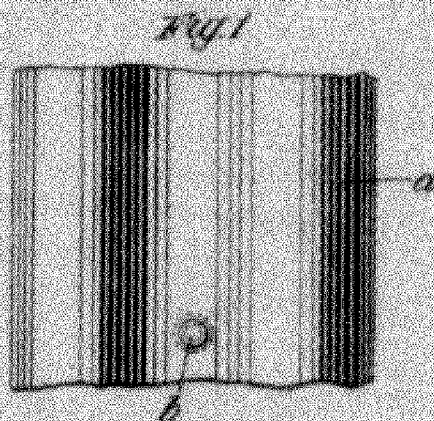
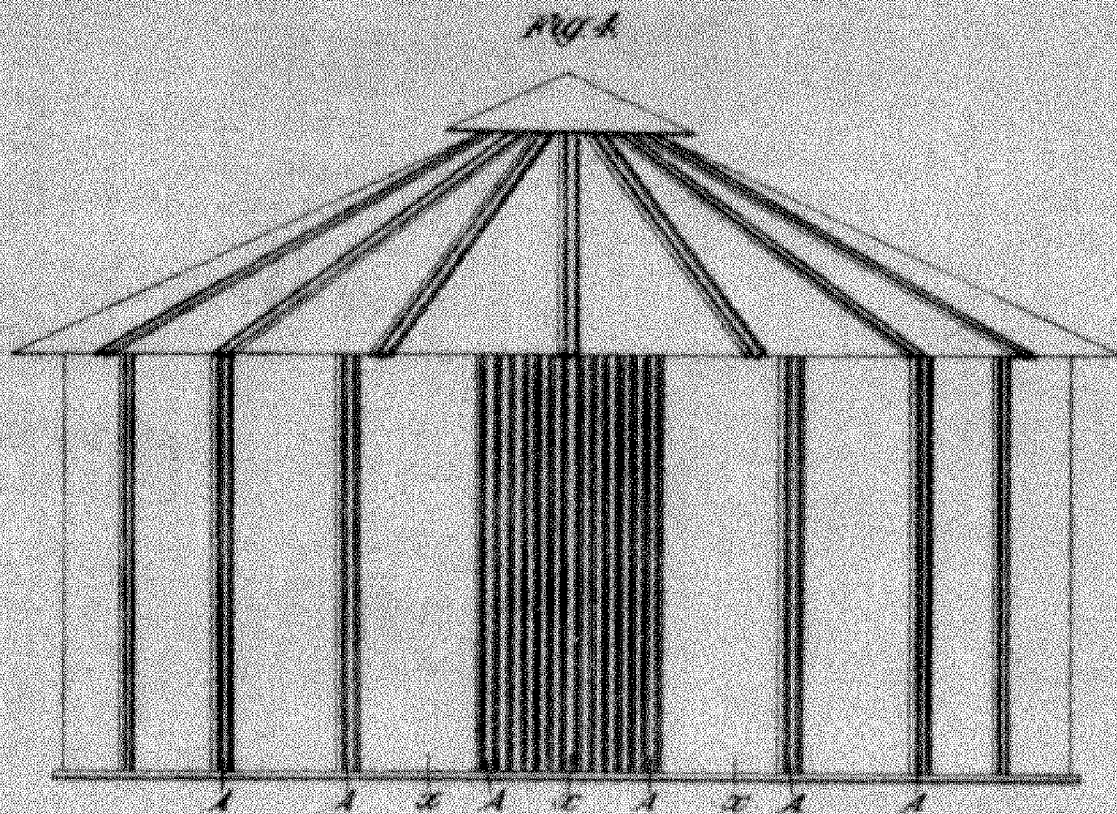
1 4. In a junction piece for forming the joints or seams
2 of corrugated sheets the combination of two strips a of
3 corrugated sheet, ~~of~~ distance pieces b located centrally
4 between said strips, and rivets fixing said strips and
5 distance pieces together.

6 WITNESSED at London this 6th day of March 1919
Peter Norman Russell,
in the presence of:-

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both of 70 Chancery Lane London



Enlarged to set the drawings right. In the specification. Sample drawing.
 London 15th March 1917

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Phillips