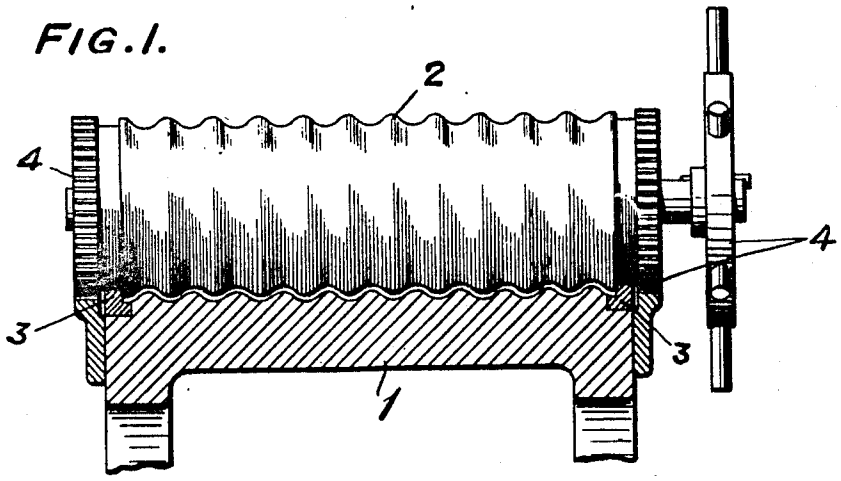
W. COX & A. SHUMAN.

PROCESS OF MAKING CORRUGATED WIRE GLASS.

APPLICATION FILED APR. 18, 1911.

1,156,213. Patented Oct. 12, 1915.

FIG. 1.



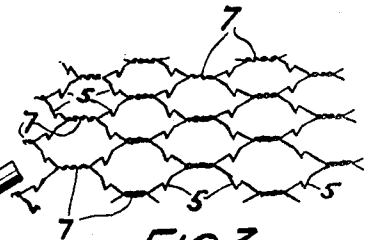


FIG. 3.

FIG. 2.

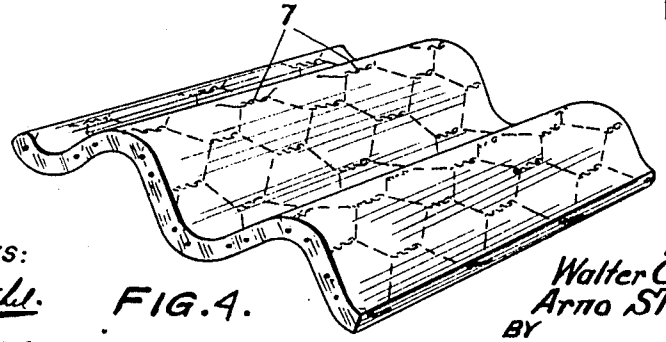


FIG. 4.

WITNESSES:

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PROCESS OF MAKING CORRUGATED WIRE-GLASS.

1,156,213. Specification of Letters Patent. Patented Oct. 12, 1915.

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To all whom it may concern:

Be it known that we, WALTER COX and ARNO SHUMAN, both citizens of the United States, and residents of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have jointly invented certain new and useful Improvements in Processes of Making Corrugated Wire-Glass, of which the following is a specification.

The principal object of the present invention is to provide corrugated wire glass.

The invention will be described in connection with the accompanying drawings, in which—

Figure 1, is a transverse sectional view illustrative of apparatus for making corrugated wire glass. Fig. 2, is a longitudinal sectional view of the same. Fig. 3, is a perspective view showing crimped wire netting or mesh and Fig. 4, is a perspective view of a piece of a sheet of corrugated wire glass.

In the drawings 1 is a table corrugated in the direction of its length.

2, is a roller peripherally corrugated.

3, are the trangs for holding the roller properly spaced from the table and 4 are means for operating and guiding the roller. The wire netting is crimped as at 5, Fig. 3, and the crimped wire netting is then corrugated in a direction at right angles to the crimp. The crimping referred to is described in Letters Patent of the United States dated May 5th, 1903, numbered 727,004, and granted to Arno Shuman and Frank Shuman. If mesh with twists happens to be used, then when the mesh is corrugated, the twists or links 7, which the adjacent wires take around each other, operate something like a hinge or articulation and thus facilitate the corrugation of the wire netting or mesh. One way of corrugating the wire netting is to lay it on the table and run the roller over it without any glass, but the invention is not limited to this way of corrugating the wire, as it can be corrugated in various ways previous to its incorporation into the glass. By placing the line of twists or links, when present, in line with the corrugations the wire more certainly retains the corrugated form. The sheet of corrugated crimped wire is laid upon the lengthwise corrugated table 1 and the crimps 5 lie upon the corrugated face of the table and hold the other parts of the mesh at a little distance from it. A pour of glass 8, is then made in front of the corrugated roller 2 and the latter is rolled along the table in the usual way, rolling the pour of glass out into the form of a corrugated sheet in which the wire is embedded. As the rolling operation takes place the tension on the wire netting operates, as it were, to straighten out the crimp and bring the wire up into proper position at or near the center of the sheet.

What we claim is:

1. The process of making corrugated wire glass which consists in rolling a corrugated sheet of glass of practically the same thickness throughout all points of the corrugations and inclosing in it as it is rolled a previously corrugated and crimped wire netting or mesh.

2. The process of making corrugated wire glass which consists in placing a crimped sheet of wire netting on a lengthwise corrugated table, corrugating the sheet of wire by passing over it a corrugated roll, and then embedding the sheet of wire near the center of a corrugated sheet of glass by rolling the sheet of corrugated glass of practically the same thickness throughout upon said table and netting with said roll.

3. The process of making corrugated wire glass which consists in corrugating a crimped sheet of wire netting, placing the same on a lengthwise corrugated table and rolling a corrugated sheet of glass of substantially the same thickness throughout on said table by means of a corrugated roll whereby the corrugated netting is inclosed in the corrugated sheet, substantially as described.

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