Nov. 2, 1926. 1,605,056

H NEWMAN

TRANSLUCENT SCREEN

Filed Nov. 7, 1925

Fig. 1.

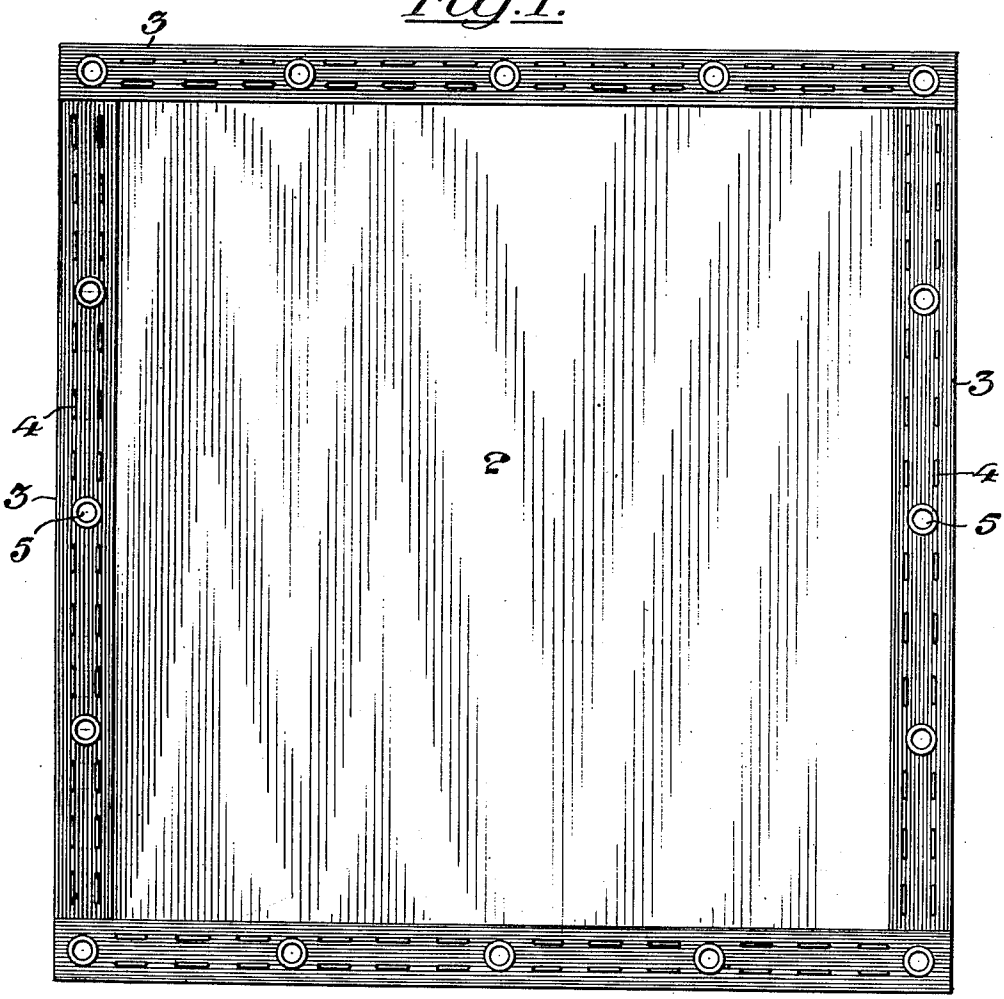
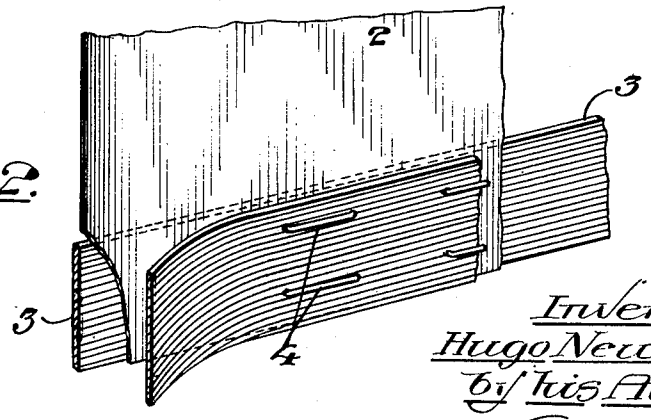


Fig. 2.



Inventor
Hugo Newman
by his Attorney

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UNITED STATES PATENT OFFICE.

HUGO NEWMAN, OF NEW YORK, N. Y.

TRANSLUCENT SCREEN.

Application filed November 7, 1925. Serial No. 67,556.

This invention relates to screens, such as translucent screens, particularly adapted for use with optical projecting instruments, the object of the invention being to provide a practical and easily attachable screen which, when attached, will be taut and free from wrinkles.

Tranlucent screens such as are known are made of thin rubber, but these screens have been formed with a non-elastic or inflexible binding so that in the attachment of the screen to its frame or support considerable difficulty is experienced in so stretching the screen that it will be free from wrinkles. In fact, it has been found impossible to stretch an elastic screen with a binding of the form described in such a way that it will be free from wrinkles, since the bound edges do not give or stretch and therefore there is no uniformity in the stretching of the screen as a whole.

The object therefore of the present improvement is to provide a screen all parts of which will stretch uniformly thereby preventing the formation of wrinkles as well as preserving the life of the screen.

In the drawings accompanying and forming a part of this specification, Fig. 1 illustrates a front view of this improved screen; and Fig. 2 is a detail view of the edge thereof.

Similar characters of reference indicate corresponding parts in the several views.

Before explaining in detail the present improvement and mode of operation thereof, I desire to have it understood that the invention is not limited to the details of construction and arrangement of parts which are illustrated in the accompanying drawings, since the invention is capable of other embodiments, and that the phraseology which I employ is for the purpose of description and not of limitation.

This improved translucent screen in the preferred form thereof shown is made up of rubber sheeting 2 and therefore stretchable within certain limits, and the edge thereof is provided with an elastic binding 3 formed either as a part thereof or attached thereto, and in the present instance this binding is attached to both sides of the sheeting all around its edge. This binding may be attached in any suitable manner, as by staples 4 or eyelets. This binding not only reinforces the edge of the screen, preventing the tearing or ripping thereof, and facilitates the attachment of suitable fastening means 5, such as eyelets for attaching the screen to the supporting frame, but it enables the edges of the screen to be stretched uniformly with the body of the screen when the same is applied to the supporting frame, and thus prevents the formation of wrinkles or creases in the screen.

The elastic binding may be of any suitable width and texture as long as it is of sufficient width to properly reinforce the edge of the screen and permit the attachment of fastening means thereto.

It is to be understood that by describing in detail herein any particular form, structure or arrangement, it is not intended to limit the invention beyond the terms of the several claims or the requirements of the prior art.

Having thus explained the nature of my said invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made, or all of the modes of its use, I claim:

1. A projection screen made from stretchable sheeting translucent throughout its entire area having a reinforced elastic edge around the same.

2. A projection screen made from stretchable sheeting translucent throughout its entire area having an elastic binding around its edge on both sides thereof.

3. A projection screen made from stretchable sheeting translucent throughout its entire area having an elastic binding around its edge and detachable screen fastening devices at intervals along each edge of such binding.

4. A projection screen made from translucent stretchable rubber sheeting having an reinforced elastic edge.

5. A projection screen made from translucent stretchable rubber sheeting having an elastic binding around its edges.

6. A projection screen made from translucent stretchable rubber sheeting having an elastic binding around its edges on both sides of the screen.

7. A projection screen made from translu-

cent stretchable rubber sheeting having an elastic binding around its edges and screen fastening devices at intervals along such binding.

8. A projection screen made from translucent stretchable rubber sheeting having an elastic binding around its edges on both sides of the screen and screen fastening devices at intervals along such binding.

Signed at 1822 Park Row Building, city, county and State of New York, this 31st day of October 1925.

HUGO NEWMAN.