

March 31, 1931.

T. A. BROUILLETTE

1,798,187

SCREEN

Filed Dec. 14, 1929

2 Sheets-Sheet 1

Fig. 1.

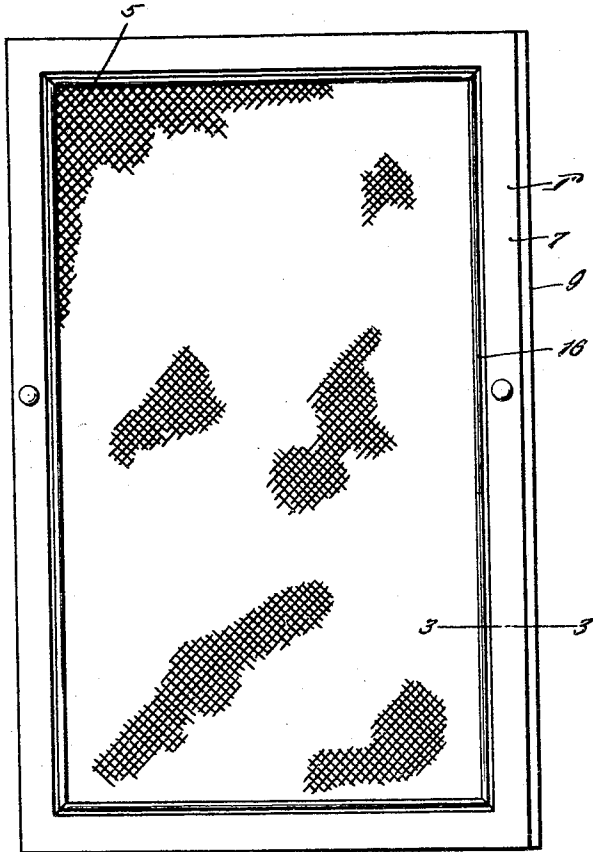


Fig. 2.

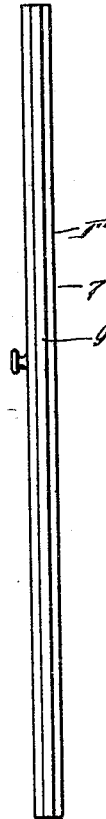
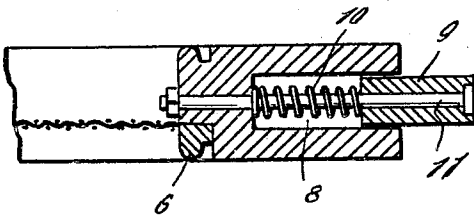


Fig. 3.

Inventor

Thomas A. Brouillette

By *Clarence A. O'Brien*
Attorney

March 31, 1931.

T. A. BROUILLETTE

1,798,187

SCREEN

Filed Dec. 14, 1929

2 Sheets-Sheet 2

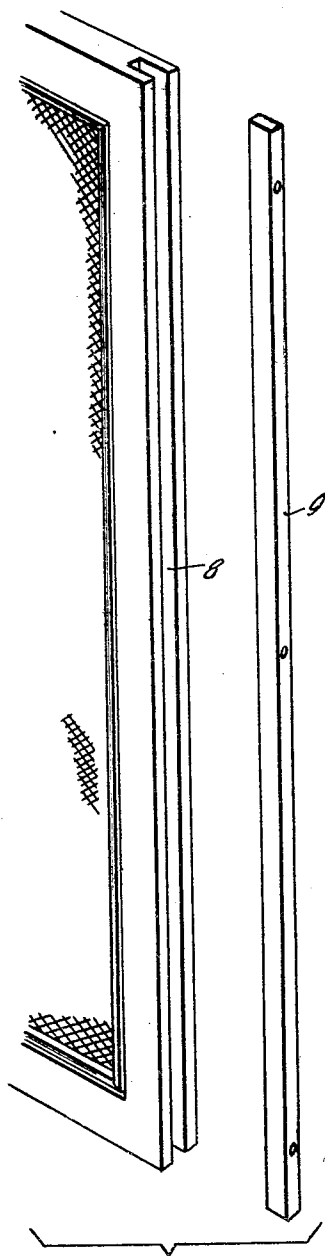


Fig. 4.

Fig. 5.

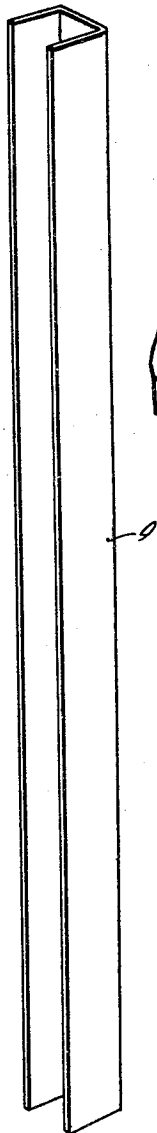


Fig. 6.

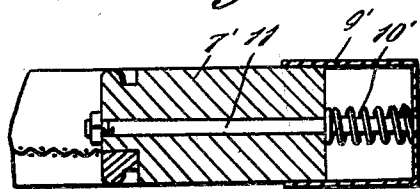
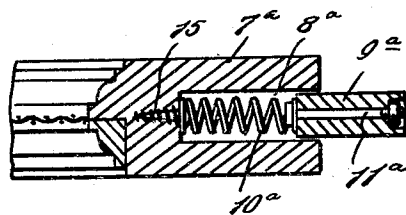


Fig. 7.

Inventor

Thomas A. Brouillette

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

THOMAS AUGUSTIN BROUILLETTE, OF VINCENNES, INDIANA

SCREEN

Application filed December 14, 1929. Serial No. 414,175.

The present invention relates to a screen for windows and the like and has for its prime object to provide a structure which is capable of being easily placed in and taken from a window frame.

Another very important object of the invention resides in the provision of a screen of this nature which is exceedingly simple in its construction, inexpensive to manufacture, strong and durable, thoroughly efficient and reliable in use and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is an inside elevation of a screen embodying the features of my invention,

Figure 2 is an edge elevation thereof,

Figure 3 is an enlarged detail sectional view taken substantially on the line 3—3 of Figure 1,

Figure 4 is a perspective view showing the tongue separated from the groove in one side edge of the screen,

Figure 5 is a perspective view of a channel member.

Figure 6 is a detail sectional view showing the channel member on the side rail of the screen, and

Figure 7 is a detail sectional view through another spring mounting of the tongue.

Referring to the drawings in detail and particularly Figures 1 to 4 inclusive it will be seen that the letter F denotes generally a rectangular frame, foraminous screen sheet 5 mounted therein by means of strips 6. In one side rail 7 of the frame F there is formed at the edge thereof a longitudinally extending groove 8 receiving an elongated tongue 9 which is pressed outwardly by means of

springs 10, circumjacent bolts 11 extended through the tongue and slidable through the rail.

Obviously by forcing the tongue into the groove the frame F may be easily placed in a window frame under the sash when open and may be easily removed when desired.

In Figures 5 and 6 I have shown another embodiment of the invention wherein rail 7' of the screen frame has a channel member 9' slidable over the outer edge thereof. Bolts 11' extend from the channel member through the rail 7' and have springs 10' mounted thereon for urging the channel member outwardly.

In Figure 7 I have shown still a further embodiment of the invention wherein rail 7^a is provided with the groove 8^a for receiving the tongue 9^a. A bolt 11^a extends through the tongue to anchor on the inner edge thereof of springs 10^a which are anchored in the inner side of the channel by means of screws 15.

It is thought that the construction, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiments of the invention have been disclosed in considerable detail merely for the purposes of exemplification since in actual practice they attain the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

A screen comprising a rectangular frame having one side rail formed in the edge thereof with a longitudinally extending groove an elongated strip disposed in said groove, a

helical spring confined in said groove between
the bottom thereof and the inner adjacent
edge of the said strip, said spring being rela-
tively spaced apart and respectively tensioned
5 for holding the said strip partially extended
from said groove, a screw engaging the inner
terminals of said spring and fastened to the
head rail for anchoring the spring within the
groove, a headed bolt in said strip with its
10 headed portion countersunk in the outer edge
of the strip and its shank portion exposed at
the inner edge of the strip, and means for
securing the outer terminal of the said spring
to the said exposed shank of the said bolt.

15 In testimony whereof I affix my signature.
THOMAS AUGUSTIN BROUILLETTE.

20

25

30

35

40

45

50

55

60

65