

(Model.)

J. SNIDER.
FLOOD FENCE.

No. 297,188.

Patented Apr. 22, 1884.

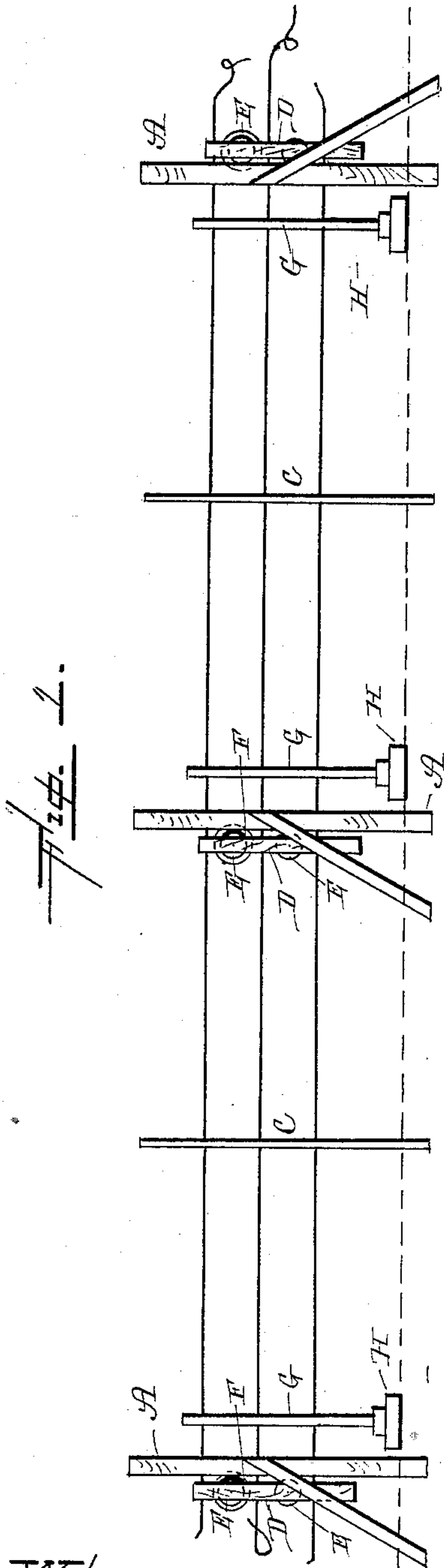


Fig. 4.

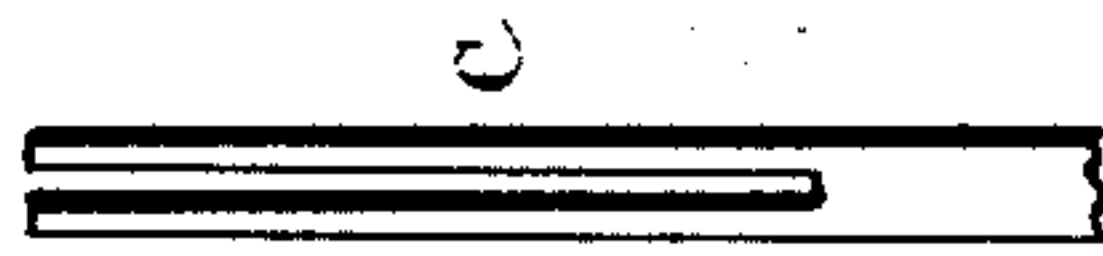


Fig. 3.

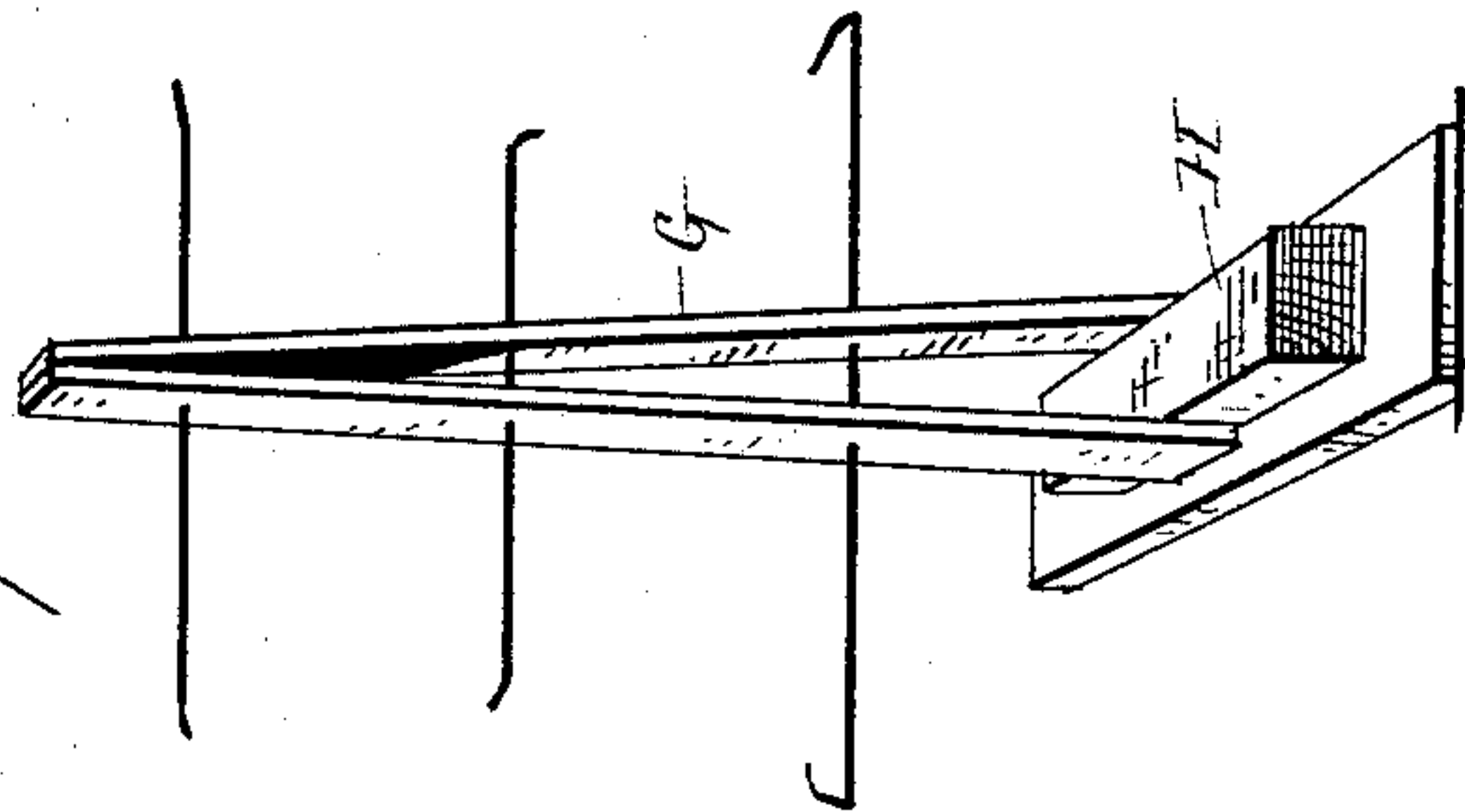
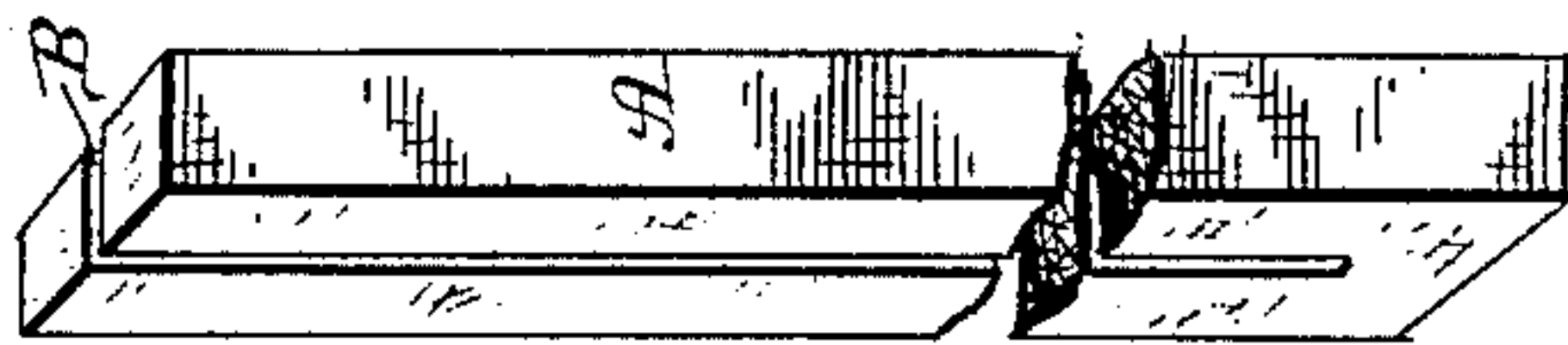


Fig. 2.



-WITNESSES-

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UNITED STATES PATENT OFFICE.

JOHN SNIDER, OF FOUNTAINTOWN, INDIANA.

FLOOD-FENCE.

SPECIFICATION forming part of Letters Patent No. 297,188, dated April 22, 1884.

Application filed December 8, 1883. (Model.)

To all whom it may concern:

Be it known that I, JOHN SNIDER, of Fountain-
town, in the county of Shelby and State
of Indiana, have invented certain new and
5 useful Improvements in Flood-Fences; and I
do hereby declare the following to be a full,
clear, and exact description of the invention,
such as will enable others skilled in the art to
which it pertains to make and use it, refer-
10 ence being had to the accompanying draw-
ings, which form part of this specification.

My invention relates to an improvement in
fences which is designed to be used in those
places where floods are likely to occur and
15 carry away the fence; and it consists in the
combination of suitable slotted posts, the
wires or boards which form the panels of the
fence and which are made to pass through
the slots in the post, so as to be guided verti-
20 cally in their movements, suitable floats which
are attached to the lower ends of posts which
are shorter than the slotted posts, and which
serve to raise the panels upward upon the top
of the water, and sliding frames which are
25 placed against the slotted posts and provided
with rollers, for the purpose of enabling the
panels of the fence to rise easily during the
flood, all of which will be more fully described
hereinafter.

30 The object of my invention is to attach the
panels of the fence, whether made of boards
or wires, to suitable posts which have floats
secured to their lower ends, so that the rising
of the water will cause the panels to rise up-
35 ward and float upon the water, instead of be-
ing washed away in the usual manner, the
panels being provided with suitable guides
which are fixed in the ground, so as to prevent
the panels from having any other than a ver-
40 tical movement.

Figure 1 is a side elevation of a fence em-
bodying my invention. Fig. 2 is a perspec-
tive of one of the slotted posts. Fig. 3 is a per-
spective of one of the posts having a float at-
45 tached to its lower end. Fig. 4 is a side ele-
vation of one of the posts C.

At suitable distances apart there are firmly
embedded in the ground a number of posts, A,
which are provided with the slots B. These
50 slots extend downward toward the base of the

post any suitable distance, and the slots are
sufficiently wide to allow the wires or the
boards out of which the fence is made to move
freely up and down therein.

In between the main posts A are placed 55
lighter posts, C, which are also firmly em-
bedded in the ground and slotted in the same
manner as the posts A, for the purpose of al-
lowing the wires or the boards which form the
panels of the fence to pass through them. 60
Whether the panels of the fence are formed of
wire or boards, they will be connected to suit-
able slides, D, which are provided with fric-
tion-rollers E, which friction-rollers bear
against the sides of the slotted posts A, as 65
shown. These rollers are used for the pur-
pose of decreasing the friction between the
slides and the posts, so that the slides can rise
freely with the panels of the fence. The up-
70 per one of the rollers in each frame has a suit-
able piece of iron, F, wrapped around it, or
there may be made a suitable flange upon the
side of the roller, and this roller will catch in
the slot which is made in the post, and thus
75 keep the slide in a line with the post.

At suitable distances apart the panels of
the fence are secured to suitable posts, G, in
the usual manner, and these posts G have suit-
able floats, H, secured to their lower ends.
These posts may either be made double, as 80
here shown, for the purpose of making them
light and strong as possible, or they may be
formed of but a single piece. The panels of
the fence are rigidly secured to these posts
provided with floats; but they simply pass 85
through the slots made in the slotted posts
without being secured to them. When the
water rises around the fence, the floats secured
to the lower ends of the posts rise upward
with the water, and the rising of these posts 90
and the frames provided with rollers causes the
panels of the fence to rise with them. The
slotted posts serve as guides to cause the pan-
els to rise vertically upward, and prevent the
panels of the fence from being washed away. 95
At suitable distances apart posts provided with
rollers upon their upper ends may be placed,
and over these rollers weighted wires or ropes
will be passed, the lower ends of the ropes or
100 wires being fastened to the top of the fence.

The weights will assist in raising the fence when it begins to rise upon the top of the water. floats secured to their lower ends, substantially as described. 10

Having thus described my invention, I
5 claim—
In testimony whereof I affix my signature in presence of two witnesses.

JOHN SNIDER.

In a fence, the combination of the slotted posts, the panels of the fence, the slides provided with rollers, and the posts which have

Witnesses:

JAMES E. SMITH,
FRANCIS N. AYERS.