No. 667,030. Patented Jan. 29, 1901.

W. MOSLEY.

REVOLVING FLOOD GATE.

(Application filed July 26, 1900.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

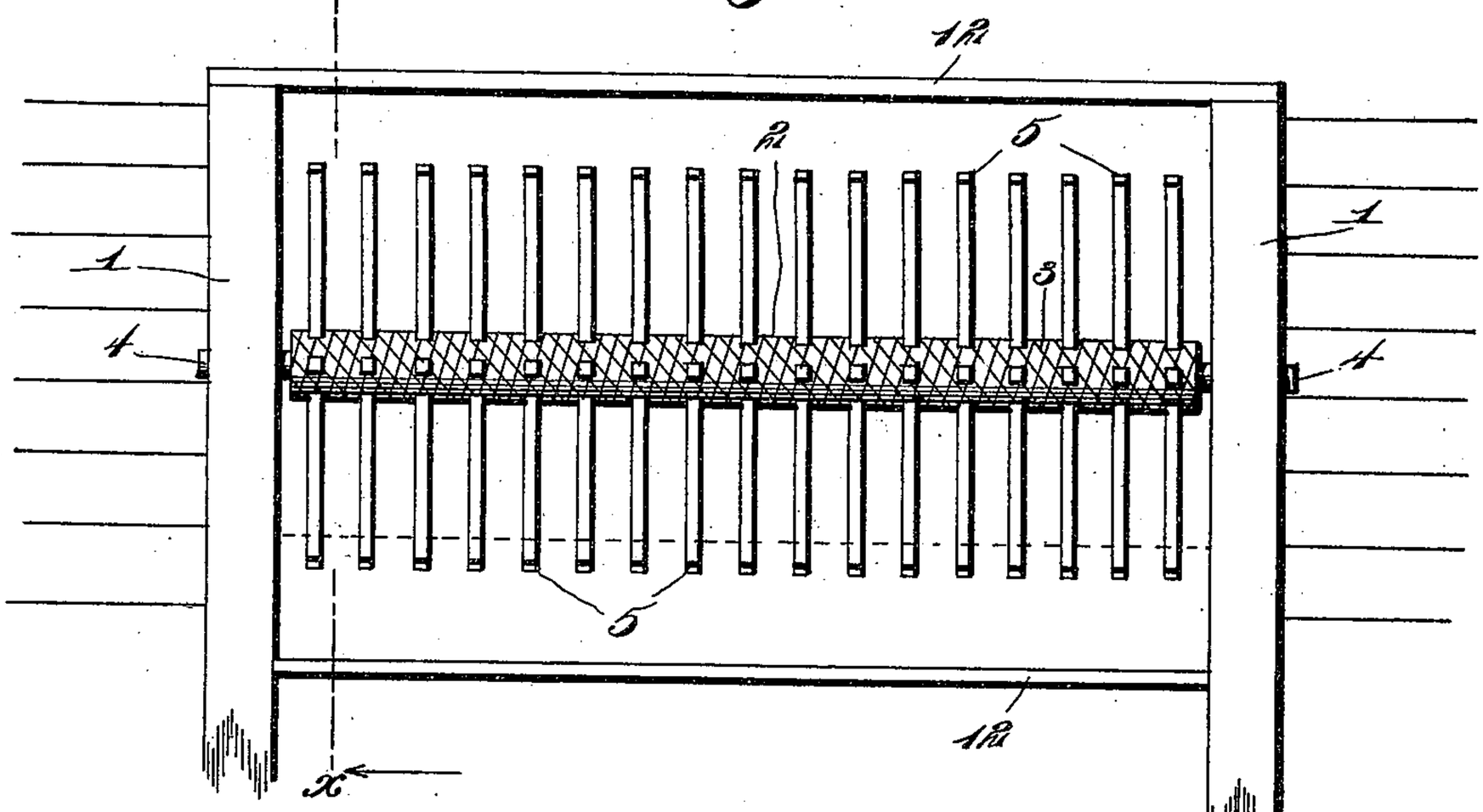
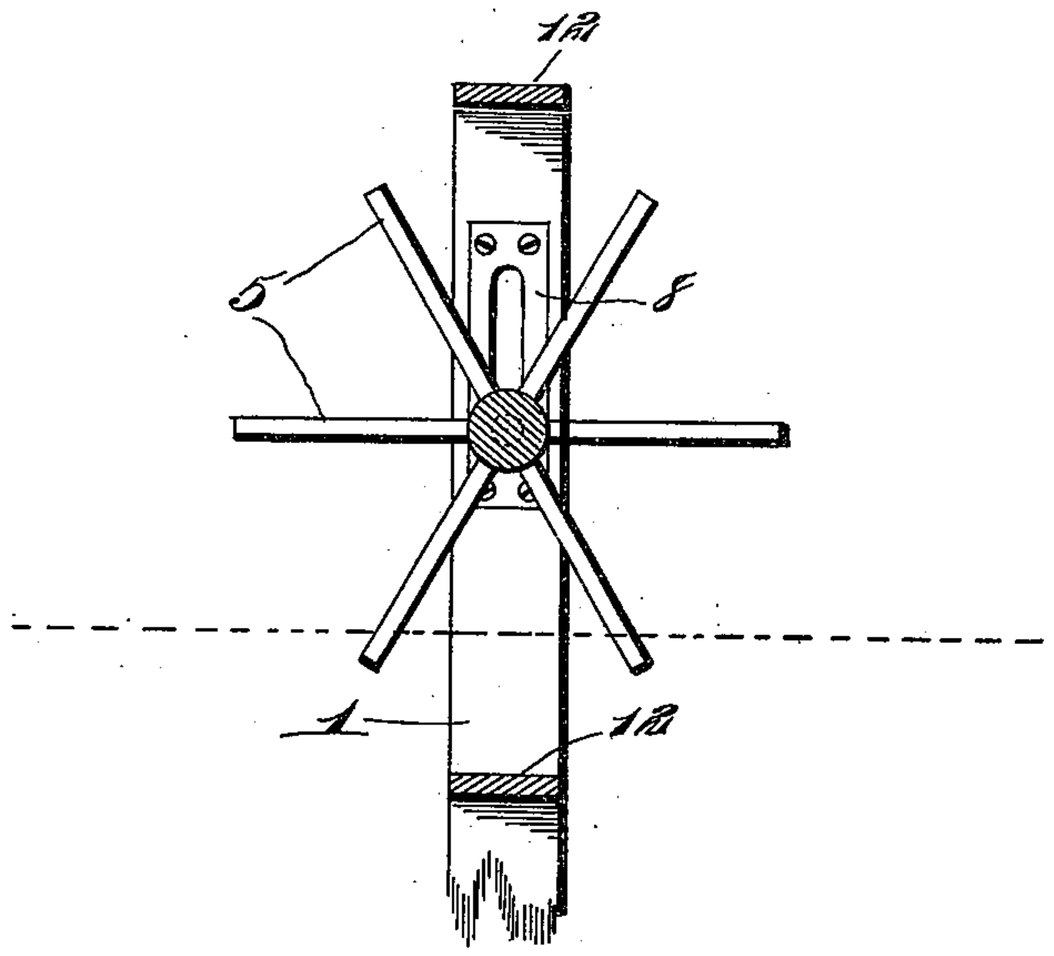


Fig. 2.



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Inventor
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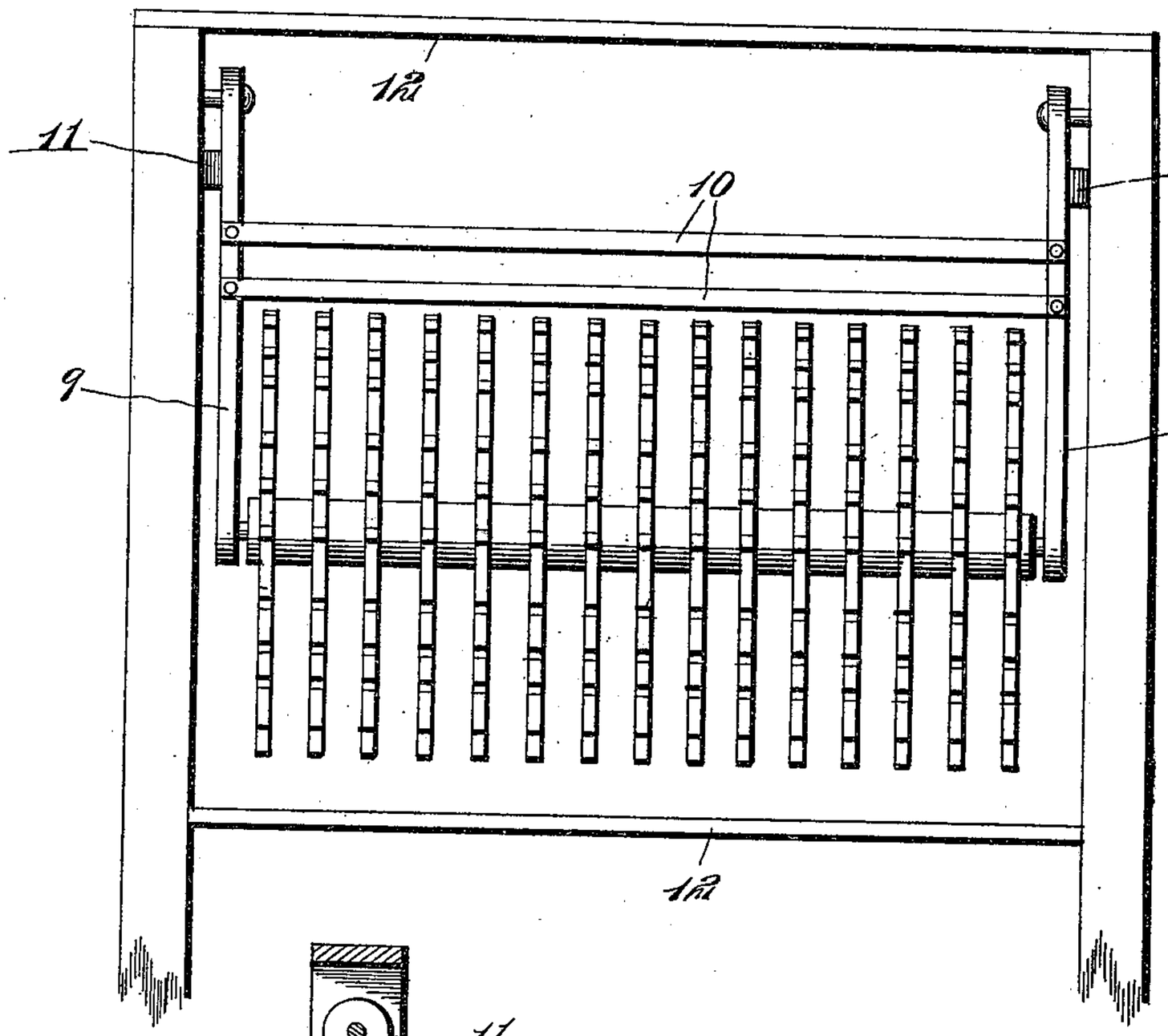
(No Model.) 2 Sheets—Sheet 2.

Fig. 3.



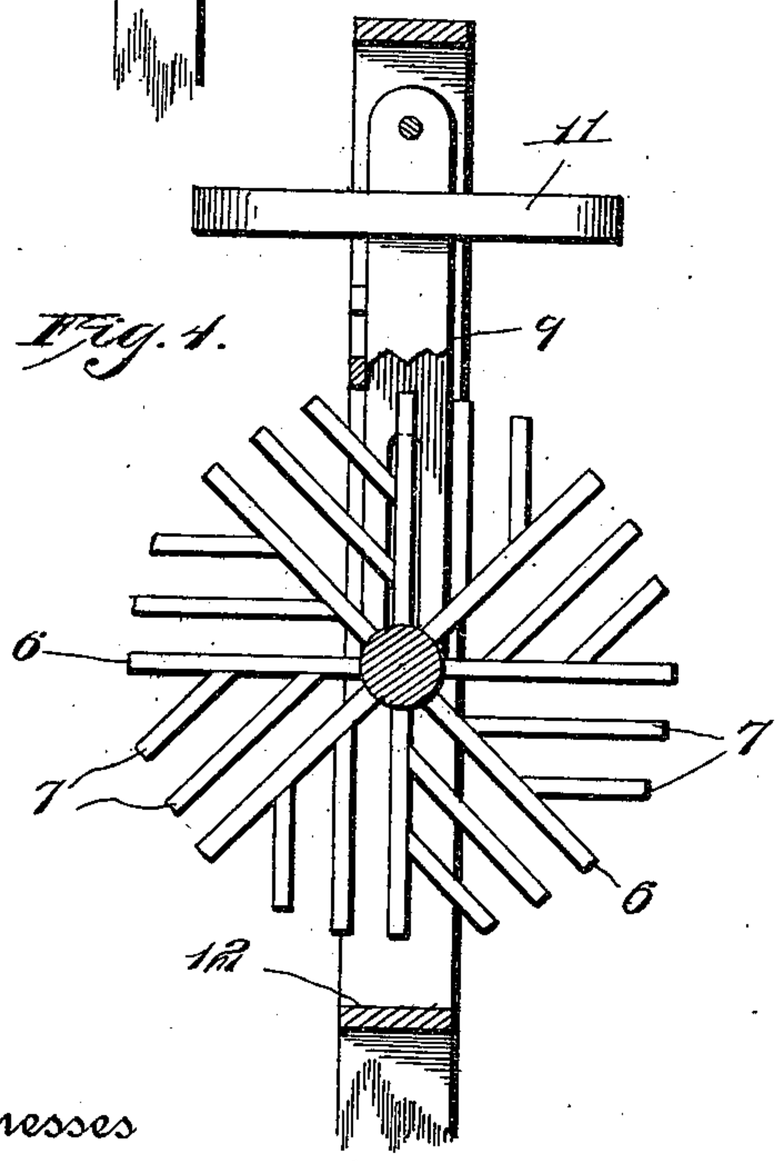
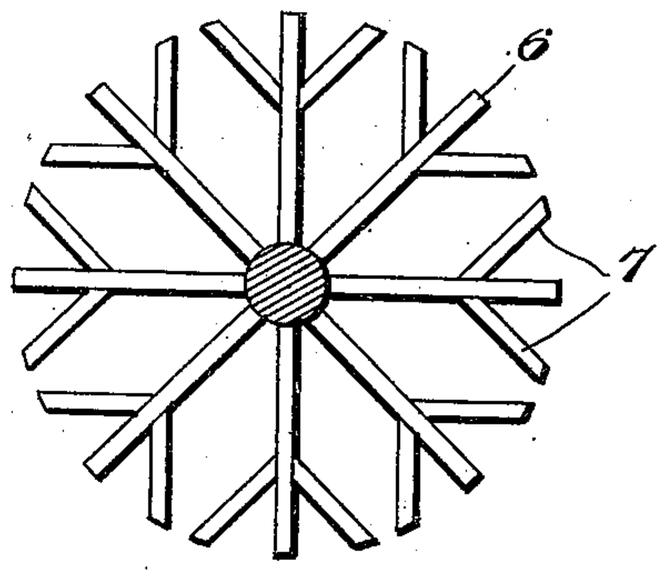


Fig. 1.

Fig. 5.



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UNITED STATES PATENT OFFICE.

WOODSON MOSLEY, OF RISON, ARKANSAS.

REVOLVING FLOOD-GATE.

SPECIFICATION forming part of Letters Patent No. 667,030, dated January 29, 1901.

Application filed July 26, 1900. Serial No. 24,934. (No model.)

To all whom it may concern:

Be it known that I, WOODSON MOSLEY, a citizen of the United States, residing at Rison, in the county of Cleveland and State of Arkansas, have invented new and useful Improvements in Revolving Flood-Gates, of which the following is a specification.

This invention relates to new and useful improvements in revolving flood-gates; and its primary object is to provide a device of this character which is of simple and durable construction and which is adapted to prevent stock from escaping from or entering fields or other inclosures by way of streams of water intersecting the fence or other inclosure of said field.

A further object is to provide a device of this character which will not retard the passage of driftwood, &c., within the stream.

A further object is to provide means whereby said gate may be readily attached to fences of ordinary construction.

To these ends the invention consists of a shaft adapted to extend over the stream and provided with pickets or spokes which extend from the sides thereof at angles thereto, the lower ends of which project downward below the surface of the stream above which the shaft is mounted. This shaft is slidable upwardly within plates secured to the posts in any desired manner and which, if desired, may be hinged thereto to permit a swinging motion of the gate.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a front elevation. Fig. 2 is a section on line *x x*, Fig. 1. Fig. 3 is a front elevation of a modified form of gate. Fig. 4 is an end view thereof, and Fig. 5 is a transverse section through a modified form of gate.

Referring to said figures by numerals of reference, 1 1 are posts, of any suitable material, placed upon opposite sides of the stream and within which are journaled the ends of a shaft 2, which is suspended above the stream, as shown. This shaft may be of any suitable material, as cast-iron; but it is preferably formed of wood bound with wires 3 to prevent splitting thereof and having ends or trunnions 4 extending therefrom and journaled within the posts 1. From this shaft, preferably at right angles thereto, extend pickets or spokes 5, as shown, the lower ones of which project below the surface of the stream. These pickets are secured to the shaft in any desired manner and are preferably formed of straight strips, as shown in Fig. 2. I do not limit myself, however, to this construction, as, if desired, a picket substantially of the forms shown in Figs. 4 and 5 may be employed. In Fig. 4 each picket comprises a straight stem 6, from one side of which project at an angle two or more prongs or branches 7, as shown. The pickets illustrated in Fig. 5, however, comprise a main stem 6, with the stems 7 projecting from opposite sides thereof.

The trunnions 4 are preferably mounted within slotted plates 8, secured to the posts 1, and said posts may, if desired, be provided with similar slots whereby the trunnions may extend completely through the posts. This permits an upward as well as rotary movement of the shaft 2.

In Fig. 3 I have shown the shaft mounted within pivoted hangers 9 in lieu of the fixed plates 8. These hangers are pivoted to the adjacent faces of the posts 1, and may, if desired, be connected by means of suitable braces 10, as shown, whereby the spreading thereof may be prevented. To the outer surface of each hanger 9 is preferably secured a horizontally-extending strip 11, curved at its ends and adapted to contact with the posts 1 and prevent lateral movement of the hangers and the shaft mounted therein. These hangers are preferably slotted, similar to the plates 8; but I do not restrict myself thereto, as the shaft may, if desired, be mounted in fixed bearings at the lower ends of said hangers.

The posts 1 are preferably connected at their tops and bottoms by means of cross-strips 12, whereby they may be held securely in proper relation to each other and be unaffected by the current passing therebetween.

Where it is desired to provide a gate of the construction herein described across a broad stream of water, the same may be made in sections, each of which is similar to the ones herein shown and described.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a flood-gate, the combination with oppositely-arranged posts, of a shaft journaled therebetween, pickets projecting from said shaft at an angle thereto, and branches to said pickets.

2. In a flood-gate, the combination with oppositely-arranged posts, of hangers pivoted thereto and having slots therein, horizontally-extending strips secured to the hangers adjacent to the posts, braces connecting the hangers, a revoluble shaft journaled within the slots, and pickets extending from said shafts at an angle thereto.

3. In a flood-gate the combination with oppositely-arranged posts; of hangers pivoted thereto, a revoluble buoyant shaft journaled within the hangers, pickets extending from said shaft at angles thereto, branches to said pickets, braces connecting the hangers at points above the pickets, and horizontally-extending strips secured to the hangers adjacent to the posts.

In testimony whereof I affix my signature in presence of two witnesses.

WOODSON MOSLEY.

Witnesses:
J. M. MAY,
NATHAN SMITH.