

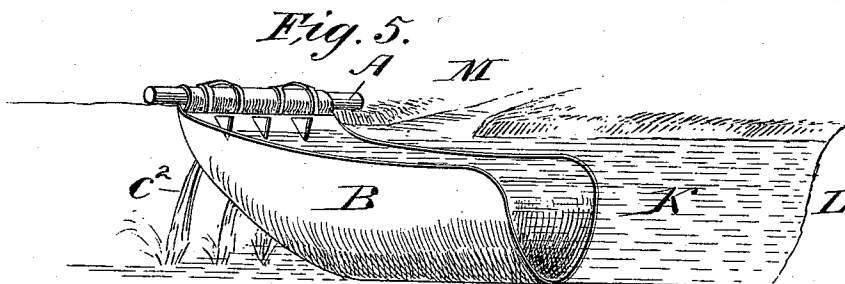
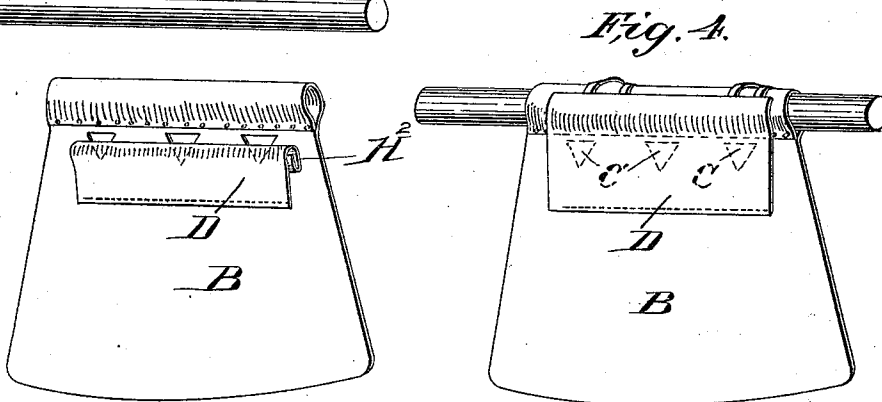
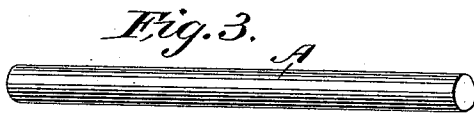
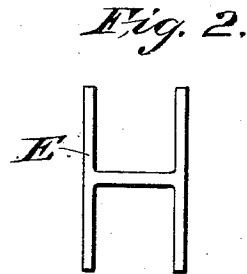
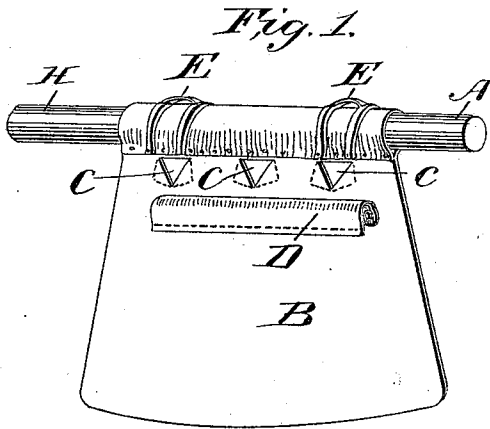
(No Model.)

C. H. HUSSEY.

DEVICE FOR STOPPING AND TURNING WATER FROM CHANNELS, &c.

No. 536,687.

Patented Apr. 2, 1895.



Witnesses:

William H. Barton
John, Feld

Inventor.

Charles Henry Hussey

UNITED STATES PATENT OFFICE.

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DEVICE FOR STOPPING AND TURNING WATER FROM CHANNELS, &c.

SPECIFICATION forming part of Letters Patent No. 536,687, dated April 2, 1895.

Application filed June 6, 1894. Serial No. 513,713. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HENRY HUSSEY, of Mill Creek, in the county of Salt Lake, in the Territory of Utah, have invented a new and useful device for stopping water and turning all or any portion of a stream from a ditch or channel and letting any desired portion of said stream pass through said device, thus being a dam and a gate combined; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

In the drawings, Figure 1, represents the dam and gate in full construction with gates entirely open. Fig. 3. shows the gate partly open and also the pole or cross piece detached. Fig. 2 represents straps cut for handles. Fig. 4 shows the gates all closed. Fig. 5 is a perspective showing dam in position with water flowing through the gates.

The nature of my invention consists in the proper construction of a sheet or apron of canvas, or other material as shown at B, (Fig. 1,) any shape or dimensions desired. This sheet may be prepared with linseed oil or any other solution that is preserving or waterproof, or it may be used without such preparation. It is attached to a pole A. (Fig. 1) with openings C. (Fig. 1) in the apron, of any shape or size desired, near the pole to let the water pass through. A flap or covering D, (Fig. 1) is attached in such a way as to stop whatever quantity of water is desired. Said flap may be turned, folded, or adjusted in such a way that the openings will be partly or entirely closed as needed.

To enable others to make and use my invention, I will proceed to describe its construction and operation.

I construct my dam in the following manner:

A—Fig. 1—is a pole that will reach across and onto the banks of my ditch, attached to which is a sheet or apron of canvas or any material of like texture, B—Fig. 1. of a length and width to suit the size of ditch.

One or more openings, C—Fig. 1—any size or shape required are made in apron just under pole. A flap D. Fig. 1 is attached to said apron just under said openings, said flap being large enough to entirely cover holes C. This flap may be turned or folded so as to partly close or entirely close the openings, so as to allow any amount of water required to flow through. The flap D, is placed on the up stream side of the dam in such a way that the weight of the water will hold it tightly to the dam when closed and will also hold it in such a position when turned or folded that water may pass through the openings in any quantity desired. Handles E. Fig. 1. are attached to the pole so as to make it convenient to raise the pole and dam from the ditch.

When the dam is constructed as set forth to operate it, the pole A is placed as shown in Fig. 5. across a ditch with the ends resting on either bank, and the apron extending up the ditch any distance desired according to size of the ditch and the force of the water in said ditch so that the water will flow on top of apron allowing the weight of the water to press said apron firmly to the bottom and sides of ditch. It can be seen that this principle is automatic, the water doing its own work in closing the dam and the greater the weight and force of said water the more tightly will said dam be closed. When wishing a portion of the stream to flow through, I turn or fold flap D. as in Fig. 3. which shows the flap folded so as to partly close the openings. To shut off the whole stream I turn flap over pole as shown in Fig. 4.

From the foregoing it is thought that the construction, operation, and many advantages of the herein described dam and gate, will be apparent to all, and I wish it understood that changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle involved or sacrificing any of the many features of my invention.

Having described my invention, I claim and desire to secure by Letters Patent—

A dam and gate combined, comprising a

er or apron of canvas, or other pliable material which the weight of the water will draw to the shape of a ditch, attached to a pole or cross piece, with one or more openings in said apron under the pole, a flap attached to the apron in such a way as to be used to close said openings or expose them

as desired, and the whole device arranged substantially as set forth.

CHARLES H. HUSSEY.

Witnesses:

JOHN HELD,
W. H. BARTON.