Feb. 2, 1932. L. BLATTLER 1,843,799

WATER DIVERTING SYSTEM

Filed April 2, 1931 2 Sheets-Sheet 1

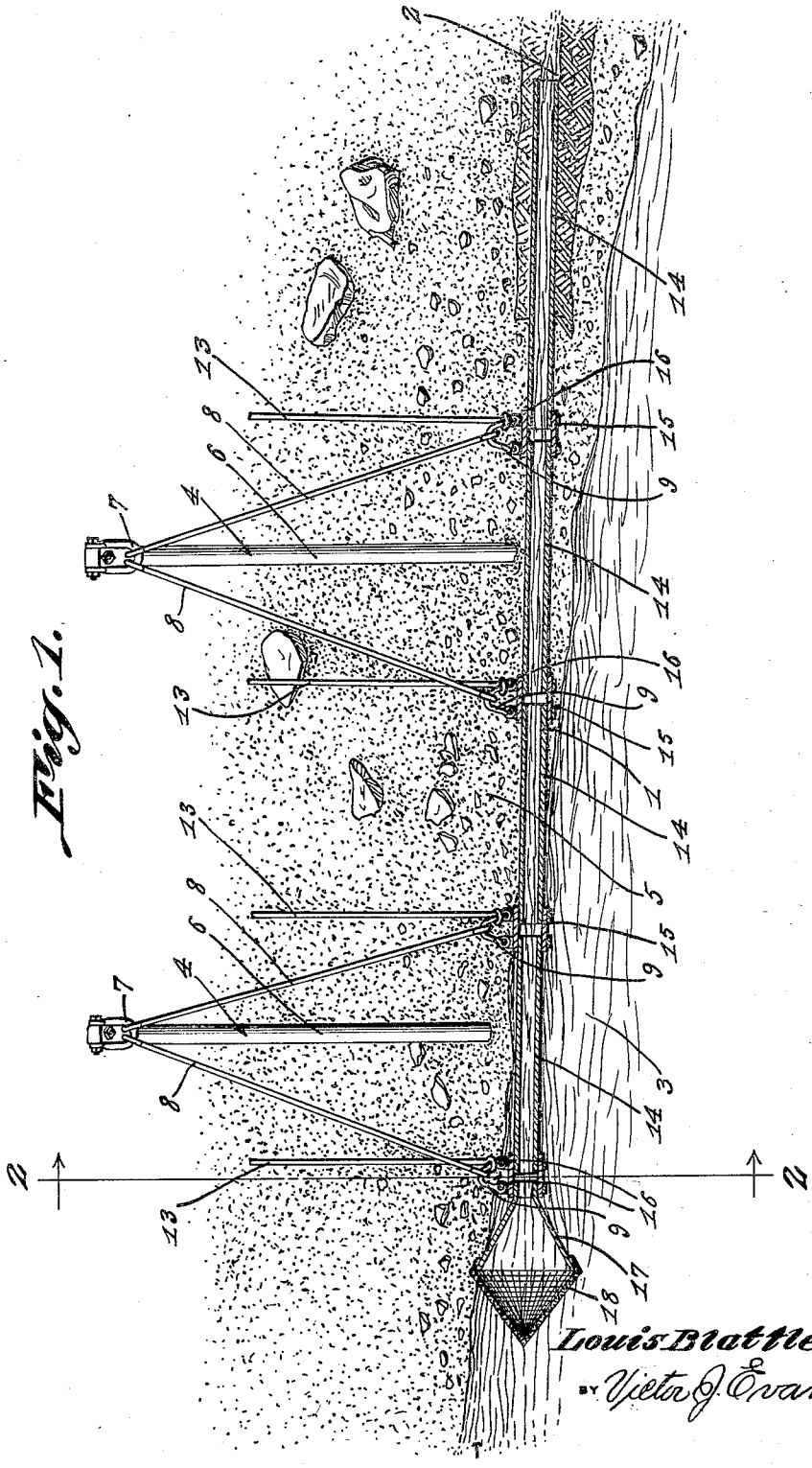



Fig. 1.

Louis Blattler, INVENTOR

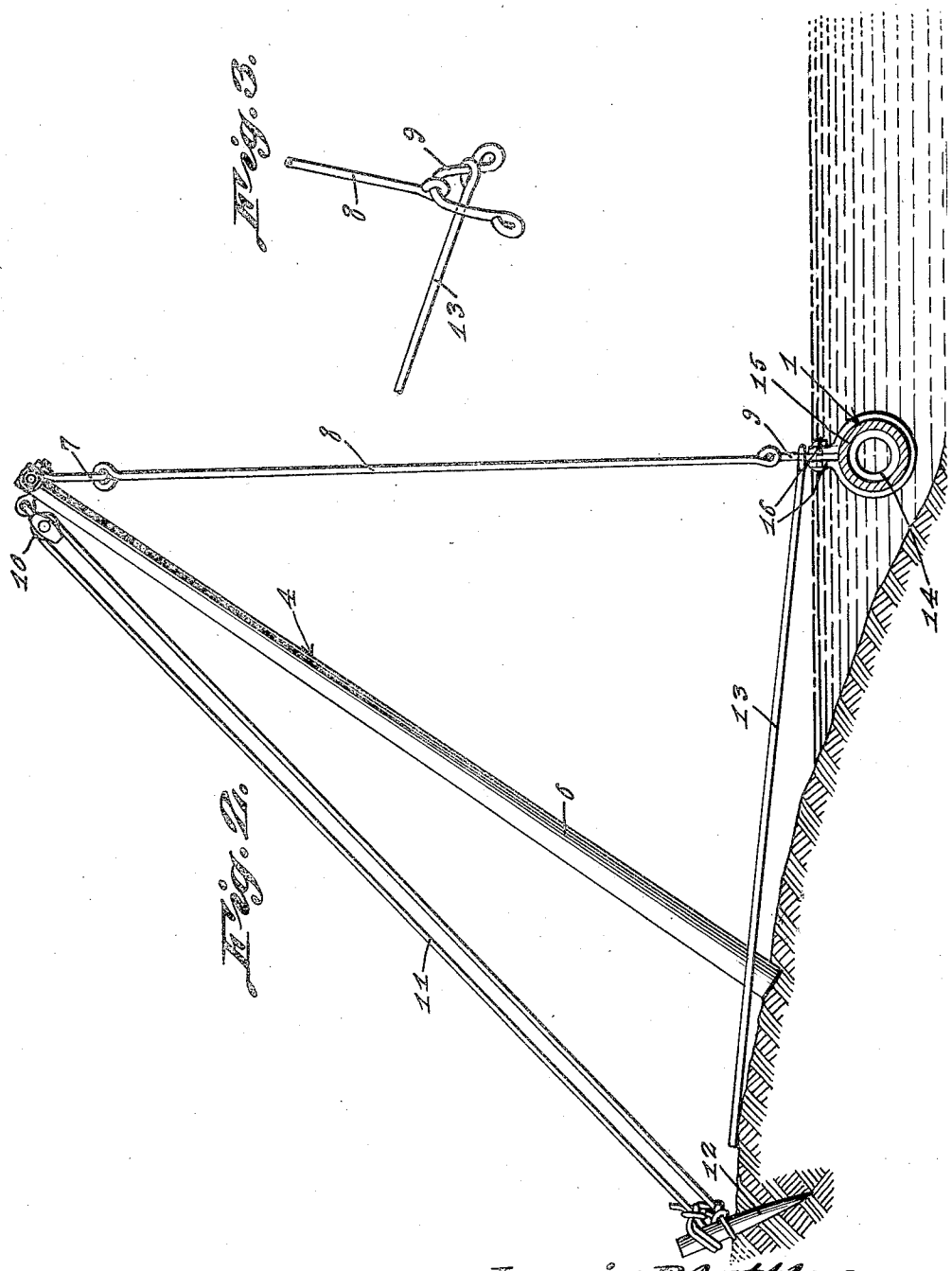
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# UNITED STATES PATENT OFFICE

LOUIS BLATTLER, OF MOHRLAND, UTAH

## WATER DIVERTING SYSTEM

Application filed April 2, 1931. Serial No. 527,294.

This invention relates to water diverting systems or devices especially adaptable for obtaining water from rivers, streams and the like for irrigation and other purposes and has for the primary object, the provision of a device of the above stated character which may be easily and quickly installed and capable of adjustment to compensate for the rising and falling of the water in the river, stream or like body of water and which obviates the use of dams and the like, and the disadvantages attached thereto.

Another object of this invention is the provision of means for adjustably supporting a conduit relative to a body of water, that water therefrom may be diverted into a ditch or the like for irrigation and other purposes and which provides a portable device capable of being moved and installed at any place desired.

A further object of this invention is the provision of a water diverting device of the above stated character which will be simple, durable and efficient and which may be manufactured and sold at a comparatively low cost.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a sectional view illustrating a water diverting device constructed in accordance with my invention.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a fragmentary perspective view illustrating an attaching yoke.

Referring in detail to the drawings, the numeral 1 indicates a conduit adapted to have one end in communication with an irrigating ditch or the like as shown at 2, while the other end is disposed in the river or stream 3 that the water may be diverted from the river or stream into the ditch 2.

A supporting means 4 is arranged on the bank 5 of the stream or river for the purpose of supporting the inlet end of the conduit 1 the proper depth in the water 3. The supporting means includes a plurality of beams 6 engaged at their ends with the ground as clearly shown in Figure 2 and carrying at their upper ends pivotally mounted U-shaped yokes 7 and to which are pivoted supporting rods 8 carrying at their lower ends U-shaped members 9 having connection with the conduit 1. Sheaves or pulleys 10 are pivotally secured to the upper ends of the beams 6 and have passed thereover cables or like flexible elements 11 which are secured to anchoring stakes 12 driven into the ground and providing a construction which will permit the elevation of the conduit to be varied relative to the body of the water for the purpose of compensating for the raising and lowering of water in a stream or river.

Adjusting rods 13 are pivoted to the U-shaped members 9 and extend to the bank or ground 5 for the purpose of permitting the conduit to be adjusted toward and from the bank of the stream or river. It is to be understood that the free ends of the rods 13 may be stuck into the ground or anchored in any suitable way after an adjustment of the conduit has been made.

The conduit 1 includes a plurality of pipe sections 14 connected by flexible sleeves 15 on which are formed apertured ears 16 to receive the ends of the U-shaped members 9 which are bent into I-formation after being inserted through the apertured ears. The flexible sleeves 15 form couplings between the pipe sections to permit said sections to readily adjust themselves relative to each other according to the unevenness of the ground on which the conduit rests and the supporting means 4. The end sleeve 15 receives a funnel-shaped member 17 to provide a flared mouth to the conduit 1 and which will efficiently direct water into the conduit and has secured over its open end a conical-shaped screen 18 to prevent débris and the like from entering the conduit.

From the foregoing description taken in connection with the accompanying drawings, it will be noted that a device has been pro-

vided which can be easily, quickly and firmly mounted adjacent to any stream, river or like body of water for the purpose of diverting a portion of the water into a ditch or the like for irrigation and other purposes. It is also to be noted that the device is capable of adjusting itself to accommodate for the unevenness in the ground and between the latter and the supporting means and also provides a device which is portable and easily assembled at any point along the river or stream where it is desired to divert a portion of the water and obviates the expense of constructing dams and the like and the disadvantages of such devices.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of my invention, as claimed.

Having thus described my invention, what I claim is:

1. A water diverting device comprising a sectional conduit, flexible couplings connecting the sections of the conduit together, portable and adjustable means connected to the couplings for supporting one end of the conduit in a body of water for directing water into a ditch for irrigation and other purposes, and a funnel shaped member carried by said end of the conduit for directing water into the conduit.

2. A water diverting device comprising a sectional conduit, flexible couplings connecting the sections of the conduit together, portable and adjustable means connected to the couplings for supporting one end of the conduit in a body of water for directing water into a ditch for irrigation and other purposes, a funnel shaped member carried by said end of the conduit for directing water into the conduit, and a conical shaped screen closing the open end of the funnel shaped member.

3. A water diverting device comprising a conduit including a plurality of sections, couplings connecting the sections of the conduit, U-shaped members pivoted to said couplings, supporting rods pivoted to the U-shaped members, supporting beams engaging the ground and having the supporting rods pivotally connected to their upper ends, and adjustable anchoring elements pivotally and slidably connected to the upper ends of the supporting beams and secured to the ground.

4. A water diverting device comprising a conduit, supporting rods connected to said conduit, supporting beams engaging the ground at one of their ends and having their opposite ends pivotally connected to the supporting rods, adjusting cables connected to the upper ends of the supporting beams and to the ground, and adjusting rods connected to the conduit and engaging the ground for the purpose of varying the location of the conduit relative to the bank of a body of water.

In testimony whereof I affix my signature.

LOUIS BLATTLER.