

No. 690,227.

Patented Dec. 31, 1901.

B. D. BALDWIN.
FLOW.

(Application filed Aug. 16, 1901.)

(No Model.)

Fig. 1.

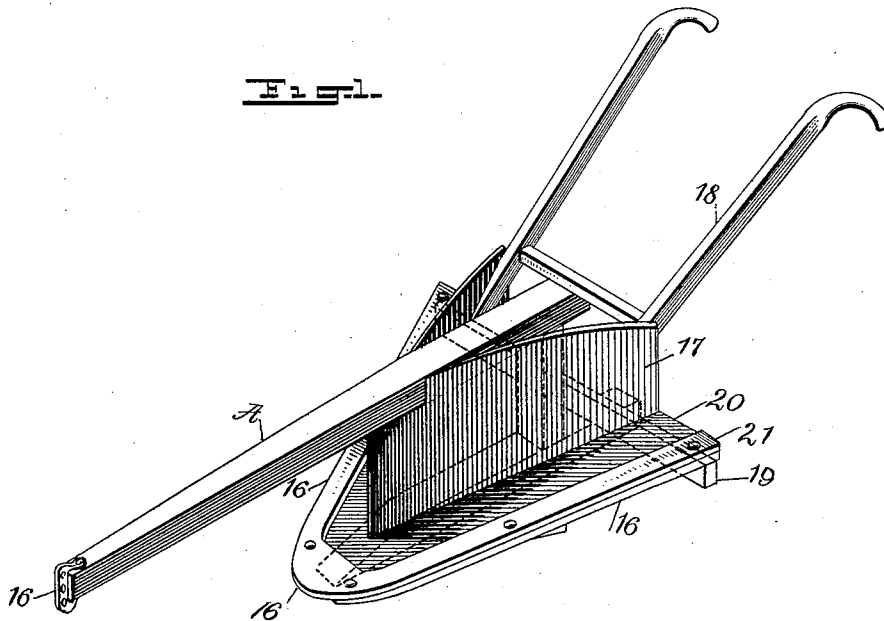
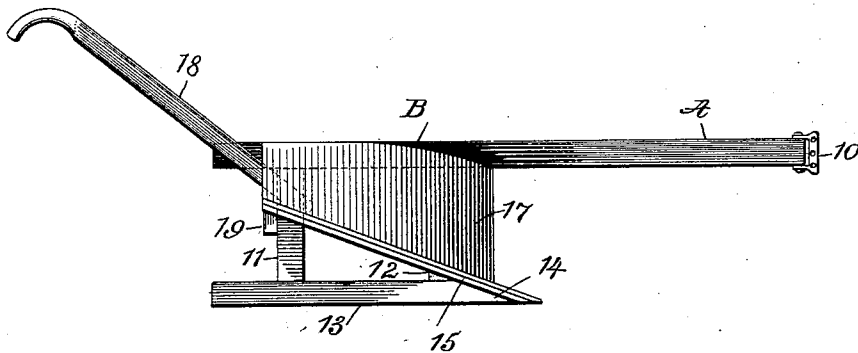


Fig. 2.



WITNESSES:

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PLOW.

SPECIFICATION forming part of Letters Patent No. 690,227, dated December 31, 1901.

Application filed August 16, 1901. Serial No. 72,253. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN DOUGLAS BALDWIN, a citizen of the United States, and a resident of Maui, in the Territory of Hawaii, have invented a new and Improved Plow, of which the following is a full, clear, and exact description.

My invention relates to a double-moldboard hilling-upplow; and the purpose of the invention is to so construct the plow that it will throw up a large amount of loose soil against the stems of sugar-cane or other growing crops planted in rows and to construct the plow in a simple, durable, and economic manner and so that the working of the crops may be inexpensively conducted.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a perspective view of the improved implement, and Fig. 2 is a side elevation of the same.

A represents the beam of the plow, provided with the usual clevis 10, and from the heel portion of the plow a standard 11 extends downward, while a second standard 12 likewise extends downward from the beam between its center and the heel, as is shown best in Fig. 2. A runner 13 is secured to the bottom portions of the standards 11 and 12, and the forward upper portion 14 of the runner is inclined or beveled to a greater or less extent, the inclination being downward and forward, as is also shown in Fig. 2.

The moldboard B is what may be termed a "double moldboard," and consists of a horizontal bottom section 15, made of wood or metal or partially of each, and this bottom section of the moldboard rests at its forward end upon the inclined surface 14 of the runner. The said bottom section of the moldboard B is given an upward and rearward inclination, as is shown in Fig. 2. The bottom section of the moldboard is more or less V-shaped; but its contracted front portion is more or less blunt. In the further construction of the moldboard B vertical sections 17

are provided, which may be at the front and follow the inner edge of the wing portions of the V-shaped bottom portion 15 of the said moldboard. The beam A passes through a recess at the forward or pointed portion of the upper section of the moldboard, as is shown in the drawings, and the handles 18 are attached to the upright sections 17 of the moldboard in any suitable or approved manner. The upright sections of the moldboard may be made of wood or of metal, as occasion may demand, and the inclination of the bottom portion or section 15 of the moldboard may be varied as desired. In the drawings the bottom section of the moldboard represents a body portion, of wood, and a marginal member 21, of metal, secured upon the upper face of the member or section 20. In order to strengthen the moldboard construction, a cross bar or brace 19 is secured to the wider portion of the moldboard, and this brace may be likewise attached to the standard 11. Any number of such braces may be employed, if desired.

I desire it to be understood that the angle of the upright section relative to the base-section 15 of the moldboard may be a right angle or the angle may be varied, as desired.

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

1. A plow comprising a horizontally-disposed runner, vertical standards mounted thereon, a beam secured upon said standards, a moldboard having a central portion mutilated for the purpose of receiving said beam and provided with a marginal portion forming an abrupt angle with said central portion, and a pair of handles for manipulating the plow.

2. A plow, comprising a horizontally-disposed runner, vertical standards mounted thereon, a beam mounted upon said standards, a moldboard having a substantially V-shaped central portion and provided with a substantially V-shaped marginal flange, the said flange being disposed in a plane forming an abrupt angle with the surface of said central portion, and a pair of handles secured upon said moldboard.

3. A plow, comprising a horizontally-disposed runner, vertical standards mounted

thereon, a moldboard of substantial V shape
so disposed as to straddle said standards and
provided with a substantially V-shaped base-
section, a beam engaging said standards of
5 the moldboard, and handles secured to said
moldboard.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

BENJAMIN D. BALDWIN.

Witnesses:

JNO. KALINO,
W. O. AIKEN.