No. 726,931. PATENTED MAY 5, 1903.

E. F. HULL.

WHEELBARROW.

APPLICATION FILED FEB. 16, 1903.

NO MODEL.

FIG. 1.

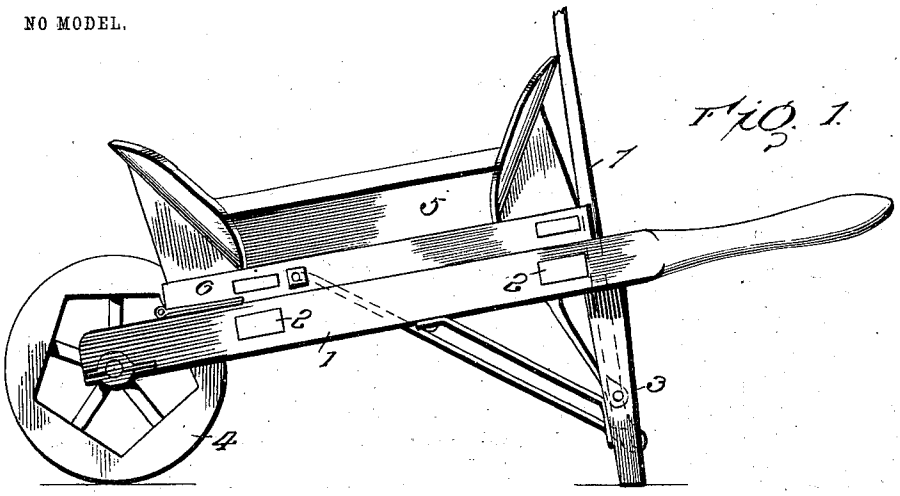


FIG. 2.

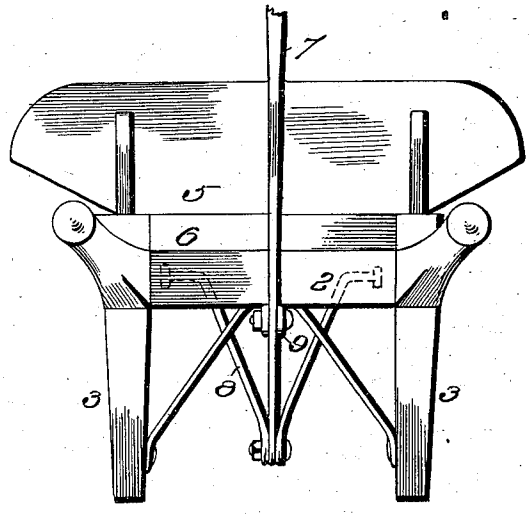
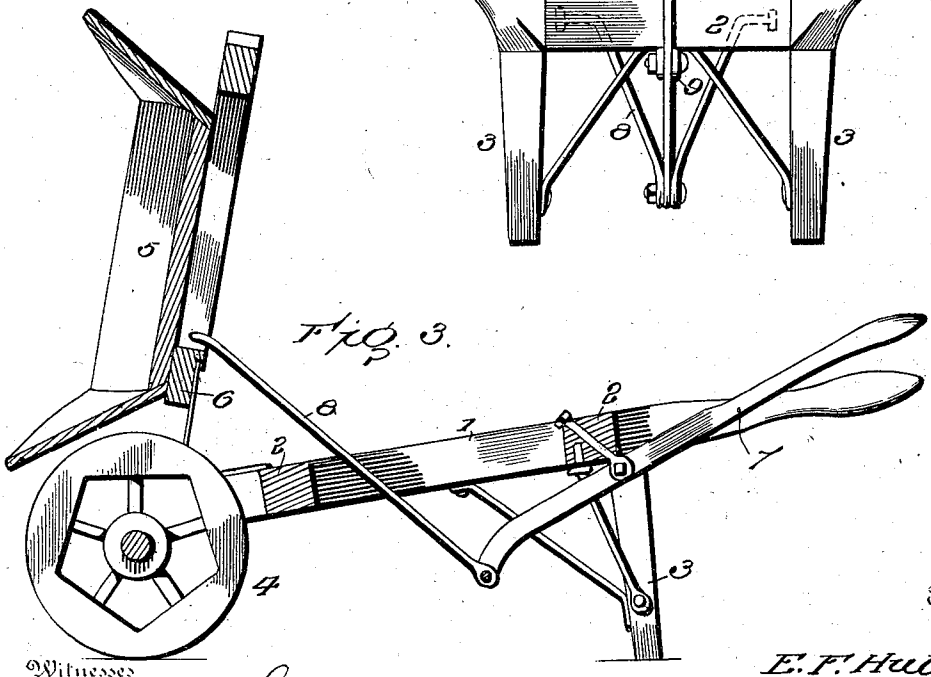


FIG. 3.



Witnesses

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No. 726,931. Patented May 5, 1903.

UNITED STATES PATENT OFFICE.

ENNIS FRANK HULL, OF ATKINSVILLE, WEST VIRGINIA.

WHEELBARROW.

SPECIFICATION forming part of Letters Patent No. 726,931, dated May 5, 1903.

Application filed February 16, 1903. Serial No. 143,628. (No model.)

To all whom it may concern:

Be it known that I, ENNIS FRANK HULL, a citizen of the United States, residing at Atkinsville, in the county of Raleigh and State of West Virginia, have invented certain new and useful Improvements in Wheelbarrows, of which the following is a specification.

This invention aims to devise a novel form of wheelbarrow which will readily admit of the forward dumping of the load without necessitating the lifting of the grip ends of the handle-bars to the height usually required to discharge the load forward or the complete turning over of the barrow to effect the same result.

In accordance with this invention the operator retains perfect control of the implement and can dump the same at a moment's notice without having to elevate the handles, the bed being hinged or pivoted and an operating-lever coöperating therewith to enable turning of the bed to effect a discharge of the load.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a wheelbarrow embodying the invention. Fig. 2 is a front view. Fig. 3 is a central longitudinal section showing the position of the body when turned to dump the load.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The framework of the barrow may be of any ordinary construction and comprises handle-bars 1, cross-bars 2, and feet 3. The supporting-wheel 4 is provided with an axle, mounted to the front ends of the handle-bars in the usual way. The feet 3 are braced laterally and longitudinally in the accustomed manner.

The bed or body 5 is pivoted or hinged to the frame of the device in such a manner as to admit of its being turned upward and forward to dump the load, as indicated in Fig. 3. For convenience the bed or body 5 is shown applied to a frame 6, which is hingedly connected at its front end to the front portion of the main frame. An operating-lever 7 is fulcrumed intermediate of its ends and is connected by a rod or bar 8 to the frame 6 in such a manner as to admit of ready turning of the bed in an upward and forward direction when it is required to discharge the load in front of the barrow. A bracket 9 of approximately V shape is secured to the front cross-bar of the barrow, and the operating-lever 7 is fulcrumed to the lower end thereof, said lever and connecting-rod 8 being centrally disposed to equalize the load upon opposite sides thereof when turning the bed 5.

The design of the bed or body and the supporting-frame of the device is unimportant within the purview of the invention and may vary according to the particular work for which the barrow is designed, the salient feature being the pivoting or hinging of the bed or body to the main frame and the provision of an operating-lever whereby the load may be dumped in front of the barrow by a turning of the bed in an upward and forward direction. After the load has been discharged the bed or body is returned to a normal position by resetting the operating-lever. The barrow may rest upon the feet and supporting-wheel and the load be dumped and the bed returned to a normal position by operation of the lever 7, thereby enabling the person to apply strength and weight to effect dumping of the load.

Having thus described the invention, what is claimed as new is—

1. In a barrow of the character described, and in combination with the main rigid frame, a bed pivoted or hinged to said frame, and an operating-lever fulcrumed to the frame and connected with the bed to effect a turning thereof to dump the load, substantially as set forth.

2. In a barrow of the character described, and in combination with the main rigid frame, a bed hinged or pivoted at its front end to said frame, an operating-lever fulcrumed to the main frame, and means connecting said

operating-lever with the bed, whereby the latter is adapted to be turned upward and forward to effect a discharge of the load in advance of the barrow, substantially as set forth.

3. In a barrow, the combination with the main rigid frame, and a bed or body hinged at its front end thereto, a bracket applied to the main frame, a lever fulcrumed to said bracket, and a rod or bar connecting the lever with said bed, the parts being arranged to admit of turning the bed upward and forward to effect a discharge of the load, substantially as specified.

4. In a barrow of the character described, a main rigid frame, a second frame hinged to the main frame, a bed or body applied to the hinged frame, an operating-lever fulcrumed to the main frame, and a rod or bar connecting the operating-lever with the hinged frame to effect a turning thereof for dumping the load in front of the barrow, substantially as set forth.

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

E. FRANK HULL. [L. S.]

Witnesses:
CHARLEY DAVIS,
HENRY E. HULL.