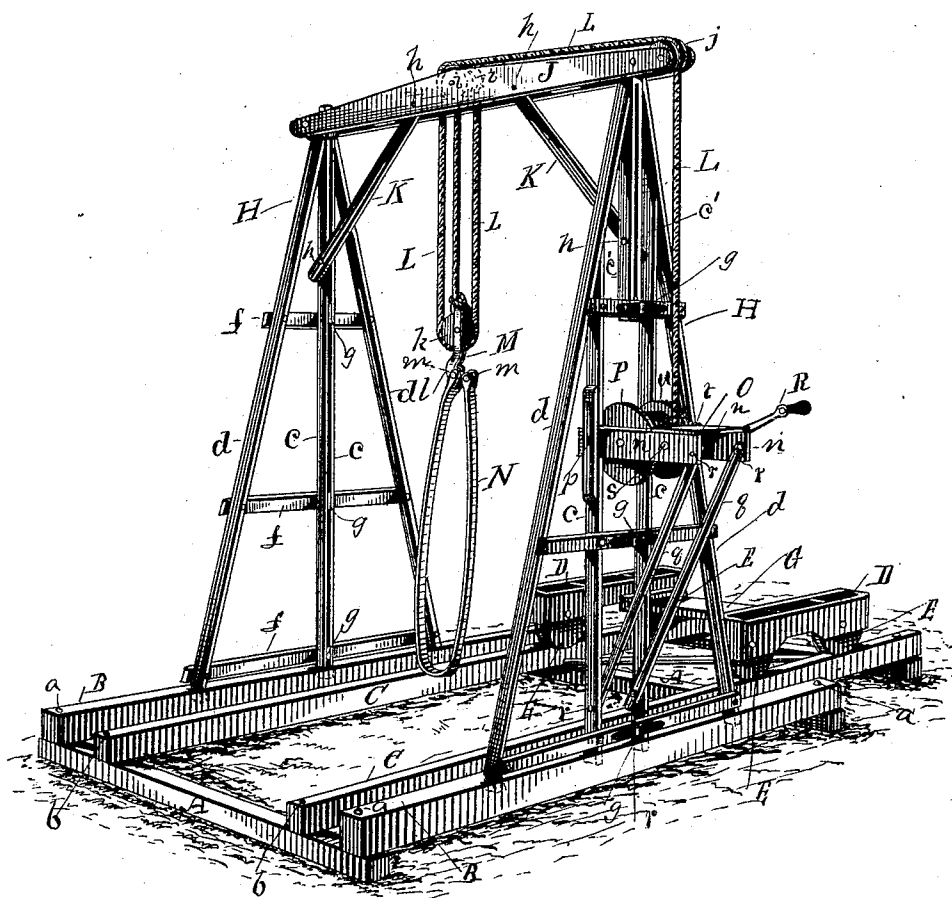


(No Model.)

A. R. YOUNG.
BURIAL APPARATUS.

No. 394,947.

Patented Dec. 18, 1888.



WITNESSES-

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UNITED STATES PATENT OFFICE.

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BURIAL APPARATUS.

SPECIFICATION forming part of Letters Patent No. 394,947, dated December 18, 1888.

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To all whom it may concern:

Be it known that I, ALBERT R. YOUNG, a citizen of the United States, residing at Green Spring, in the county of Seneca and State of Ohio, have invented an Improved Burial Apparatus; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, making part of this specification.

The drawing represents a perspective view of the entire apparatus.

My invention consists of an improved apparatus, substantially as represented in the drawing and hereinafter described and claimed, by which coffins and burial-cases may be let down into graves with celerity, ease, and without noise. Another feature of its construction is that it is readily taken apart and packed compactly for moving about and then readily and quickly put together again when it is to be used.

The main parts of the apparatus are a base or frame on which the other parts are mounted, rails forming a short track mounted on the base, a truck running on the track and adapted to receive the coffin or burial-case, a derrick or stand mounted on the base, a tackle and block mounted on the derrick by which the coffin or burial-case is lowered into the grave, and a windlass and crank by which the rope of the tackle is wound up or unwound to lower the coffin or burial-case or to lift the same. I design to make these parts all in the simplest form, and I have shown such a construction in the drawing.

As represented, the base or frame is simply composed of two bottom timbers or small beams, A A, which are to rest parallel with each other on the ground beside a grave, and two cross timbers or beams, B B, resting crosswise upon the timbers A A and secured removably thereto by removable bolts *a a*; also, upon the lower timbers, A A, crosswise of the same and inside of the timbers B B, are placed two rails, C C, to form a track on which the truck is to run. These tracks may be simple wooden timbers secured in position removably on the timbers A A by removable bolts *b b*. The rails extend considerably beyond the base-frame at one end, as shown, so that the truck may be run out from under the derrick

and from over the grave for convenience in placing the coffin or burial-case thereon.

The truck may be made in very simple form. It is shown as composed of two blocks or head-pieces, D D, in each of which two truck-wheels, E E, have their bearings, the two blocks being connected by one or more bars or timbers, G, of the proper length to give the proper gage to the truck-wheels to run on the rails of the track. The cross bar or bars are or may be removably secured to the blocks of the truck, so that the truck may be taken apart for compactly packing with the other parts of the apparatus.

The derrick-standards H H are of skeleton form, so as to be light as well as strong and firm. Thus the simplest form of the standards, as shown at the left hand in the drawing, is composed of four upright strips, *c c* and *d d*, the former being parallel and placed near together, and the latter inclined, so as to make the standard wide at the bottom and narrow at the top, where all the strips are brought close together. A sufficient number of horizontal cross-strips *f f f* connect the upright strips. Two middle and parallel upright strips, *e e*, are used in order to divide the whole upright into two parts longitudinally and provide for hinging and folding these parts together. To this end the cross-strips *f f f* are severed in the middle on a central line between the strips *c c*, and (preferably strap) hinges are attached to the cross-strips, by which the two parts are folded together. These hinges *g g* are shown on the right-hand upright, which is constructed in the same way as the other upright, except that it is slightly modified for attaching the frame O of the windlass P thereto. For this purpose the two middle parallel upright strips are separated sufficiently to admit the windlass-frame between them, as shown. Additional short upright strips, *c' c'*, close together, are or may be applied at the upper end of the upright, as shown, to give the proper form at the tops, as in the other upright. Each upright is mounted on one of the cross-timbers B of the base, and held thereon by the lower ends of the upright strips entering in mortises or sockets in the base-timbers or otherwise, so that the uprights are readily removable from the base-timbers.

The cross-beam J of the derrick rests upon

the upper ends of the two uprights, which terminate in tenons or equivalent forms, fitting in mortises in the cross-beam. Two braces, K K, reach from the uprights to the cross-beam, as shown, being secured to the respective parts at the two ends by simple pins or bolts *h h*, which can be readily drawn out for removing the braces and taking the apparatus apart.

The lowering-tackle is of the simplest construction. Two pulley-sheaves, *i i*, are mounted side by side in the middle of the cross-beam, and a third sheave, *j*, is mounted in one end, over which the tackle-rope L passes to the windlass. To the hoisting end of the rope a tackle-block, M, having a single sheave, *k*, for the rope, is secured, and it has a strong hook, *l*, upon which the eyes or loops *m m* of a strap, N, that goes round the coffin or burial-case, are hooked. There may be more than one strap N. The windlass consists of a simple winding-cylinder, P, having its bearings in a simple frame, O, of four pieces, *n n*, which is held between the strips *c c* of one of the derrick-uprights, as above set forth. The frame may be held in position by bolts or pins *p* passing through it and the upright strips, and readily removable for removing the windlass. To complete the mounting of the windlass-frame, two braces, *q q*, extend from the outer end of the frame to the lower end of the upright strips *c c*, and are held in place by removable bolts *r r*, passed through the braces and adjacent parts. The shaft *s* of the crank R has its bearings also in this windlass-frame, and a small gear-wheel, *t*, on this shaft gears into a larger gear-wheel, *u*, on the shaft of the windlass, by which the mechanical power of the windlass is increased.

The apparatus may be used for lowering large stones or slabs into graves as well as 40 coffins and burial-cases.

I claim as my invention—

1. In a burial apparatus, the combination of the base-beams A A and B B, and track-rails C C, separably connected together, substantially as and for the purpose herein set forth. 45

2. The combination of the base-beams A A and B B, the folding derrick-standards H H, and cross-beam J, separably connected together, substantially as and for the purpose herein set forth. 50

3. The combination of the folding derrick-standards H H, windlass-frame O, removably attached to one of the standards, cross-beam J, sheaves *i i* and *j*, mounted in the cross-beam, tackle-rope L, tackle-block M, provided with a hook, *l*, and strap N, substantially as herein specified. 55

4. The combination of the base-beams A A and B B, track-rails C C, derrick-standards H H, truck running on the track-rails, derrick cross-beam J, provided with sheaves *i i* and *j*, windlass P, tackle-rope L, tackle-block M, provided with a hook, *l*, and strap N, substantially as and for the purpose herein set forth. 60

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses. 65

ALBERT R. YOUNG.

Witnesses:

W. J. MERCHANT,
C. C. ROBINSON.