

(No Model.)

W. H. H. HEYDRICK.
SHOCK BINDER.

No. 567,389.

Patented Sept. 8, 1896.

fig. 1.

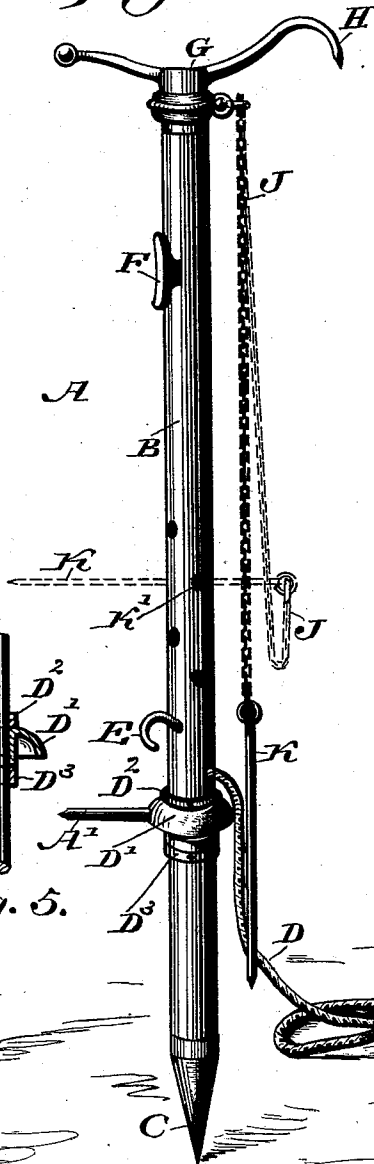


fig. 2.

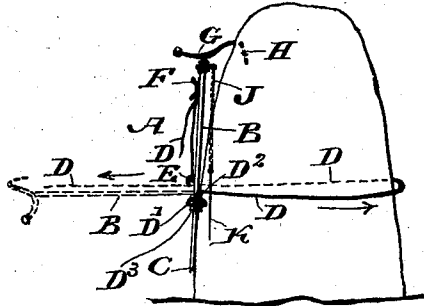


fig. 3.

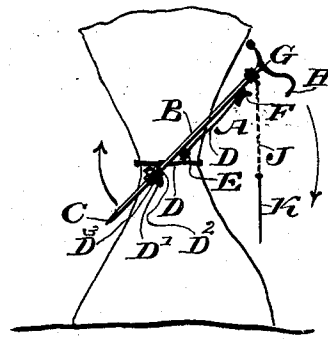


fig. 5.

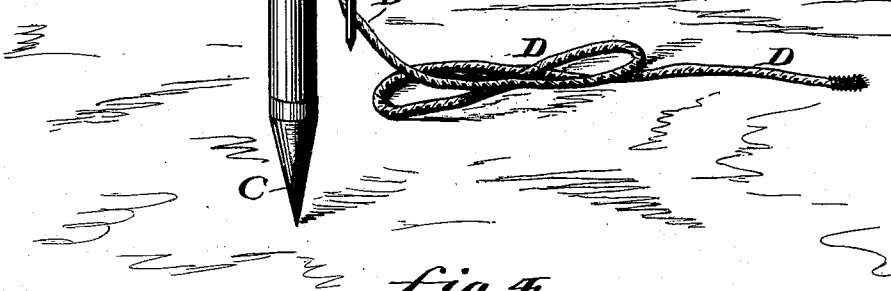
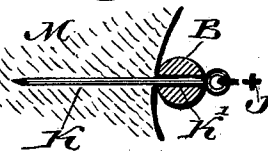


fig. 4.

WITNESSES:

L. Douville,
P. H. Angler.



INVENTOR
William H. H. Heydrick
BY *Adolf Diersheim*
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM H. H. HEYDRICK, OF PHILADELPHIA, PENNSYLVANIA.

SHOCK-BINDER.

SPECIFICATION forming part of Letters Patent No. 567,389, dated September 8, 1896.

Application filed October 16, 1895. Serial No. 565,872. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. H. HEYDRICK, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful improvement in Shock-Binders, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a novel construction of shock-binder, by means of which one person can readily and effectively do the work of binding a shock of corn or other material, which has heretofore required two or more, and can also greatly economize the amount of cord or string required for binding.

It further consists of novel details of construction, all as will be hereinafter fully set forth.

Figure 1 represents a side elevation of a shock-binder embodying my invention. Figs. 2 and 3 represent on reduced scales a shock of corn, showing the steps of binding the same with my invention. Fig. 4 represents on an enlarged scale a sectional view showing the position of the binder relative to the shock of corn during the act of tying or binding the same. Fig. 5 represents a detail view showing a movable collar employed.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the shock-binder, the same consisting of the rod or stock B, which has in the present instance a pointed ferrule C mounted on one end thereof.

D designates a rope or cord attached to said rod near its lower extremity, under which is the ring or collar D', which may be stationary on said shaft or rotatably mounted thereon, and held in position by means of the collars D² and D³.

E designates a hook or eye mounted upon the rod near the point of attachment of the cord D.

F designates a cleat attached to the upper portion of the rod.

G designates a handle mounted on the upper part of said rod opposite the point C, said handle being also provided with the spur or hook H.

J designates a chain having one end at-

tached to the end of said rod B, while its other end is connected to the pointed pin K, which latter is adapted to be inserted in any of the holes K', as will be explained.

In Fig. 2 is shown a shock of corn prior to the application of my invention thereto in position ready for permanent binding.

The operation is as follows: The shock-binder A is first placed in position relative to the shock, the hook entering the same, as seen in Fig. 2. The rope or cord D is then passed around the stack and through the eye or hook E, and pulled as tightly as possible, the free end of said rope being afterward passed around the cleat F several times. The rod B is then brought into the position seen in Fig. 3 and rotated several times, whereby the rope D will be wound upon the rod B, the collar D' serving as a stop for the rope D when it is wound upon the stock and prevents said rope from leaving said stock, and it will be seen that the shock L will be caused to assume the position seen in Fig. 3, after which said rod B is brought into juxtaposition with the shock, as seen in Fig. 4, and the pin K passed through one of the holes K' in said rod and inserted in the shock in the position seen dotted in Fig. 1. The shock is now compressed to its highest degree, and the cord or rope employed for permanently binding the same can now be readily passed around it and tied without requiring the assistance of two persons.

It will be evident from the foregoing that by the employment of my device one man can readily manipulate, assemble, and tie a shock of corn or other material, which has heretofore required two persons, the work being much more expeditiously and effectively performed than heretofore by hand, and the permanent tying being accomplished with a minimum length of cord.

In the preferred embodiment of my invention, the ring or ferrule D' may have a stud or stem A' attached thereto, so as to project at an angle therefrom, the said stud being adapted to be inserted in the shock when the implement is in position seen in Fig. 3, and so assist in holding it in position.

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

1. A shock-binder, consisting of an aper-

5 tured stock, a rope having one end attached thereto, means for securing the other end of said rope to said stock, a second rope, cord or chain attached to said stock, and carrying a pin and a collar on the stock acting as a stop for said first-mentioned rope, substantially as described.

10 2. A shock-binder consisting of a stock, a handle having an end thereon adapted to enter the shock, a rope having one end secured to said stock, means for fastening the other end of said rope to said stock, a loose collar which acts as a stop and a spur on said collar, substantially as described.

15 3. A shock-binder consisting of an apertured stock, a hook thereon, a rope having one end attached to said stock, means for securing the other end of said rope to said stock, and a second rope, cord or chain secured to

said stock, and carrying a pin, substantially as described. 20

4. The herein-described shock-binder consisting of the apertured stock B having the rope D attached thereto, the hook E mounted thereon, the pin K, the chain J, cleat F, the handle G and the hook H, substantially as described. 25

5. The herein-described shock-binder, consisting of the apertured stock B, the handle G, the engaging-hook H thereon, the cleat F, the pin K, the hook E on said stock, the collar D', having the stud A', and the rope D, the above parts being combined substantially as described. 30

WILLIAM H. H. HEYDRICK.

Witnesses:

JOHN A. WIEDERSHEIM,
E. HAYWARD FAIRBANKS.