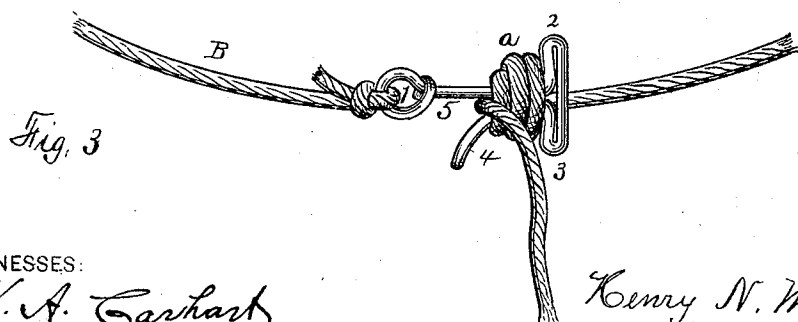
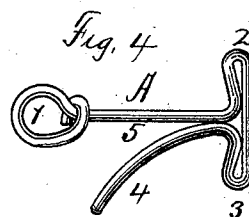
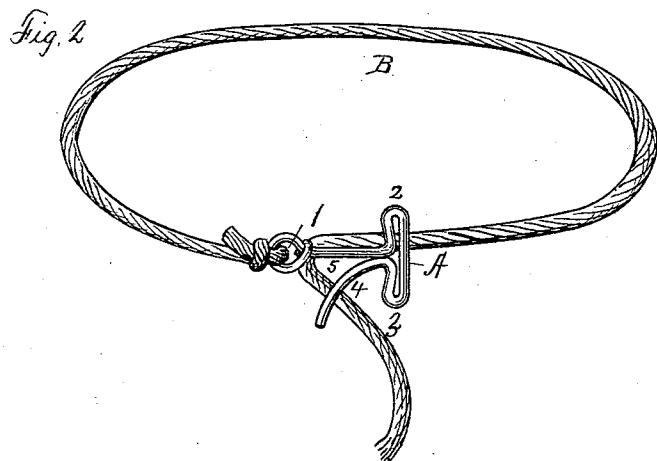
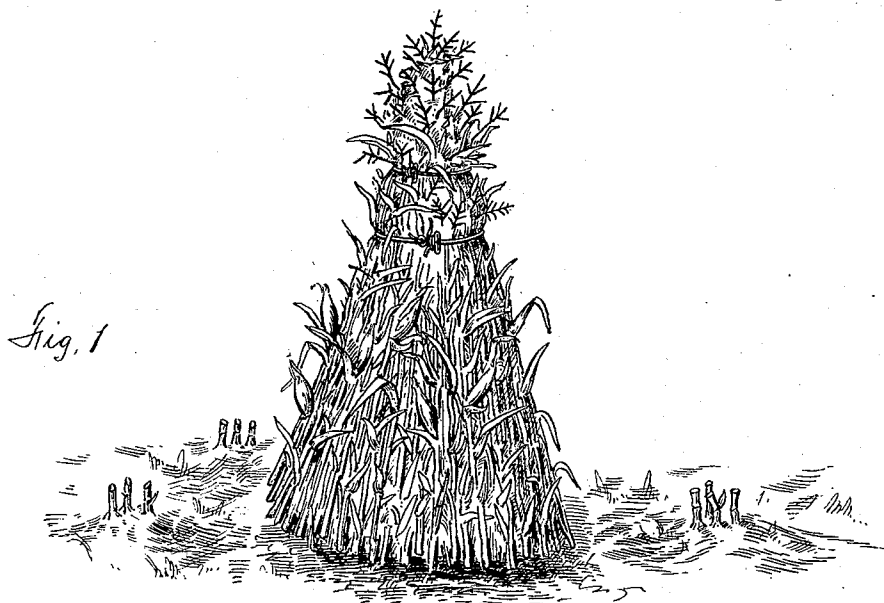


(No Model.)

H. N. MUSSER.
BINDER.

No. 498,481.

Patented May 30, 1893.



WITNESSES:

H. A. Carhart
Geo. M. Blumers.

INVENTOR

Henry N. Musser

By Smith & Davidson

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY N. MUSSER, OF BLACHLEYSVILLE, OHIO.

BINDER.

SPECIFICATION forming part of Letters Patent No. 498,481, dated May 30, 1893.

Application filed October 19, 1892. Serial No. 449,410. (No model.)

To all whom it may concern:

Be it known that I, HENRY N. MUSSER, of Blachleysville, in the county of Wayne, in the State of Ohio, have invented new and useful Improvements in Binders, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to a device, as a new article of manufacture, for binding stouts or shocks of grain.

My object is to produce, as a new article of manufacture, a simple and convenient binder for quickly and easily binding bundles or grain; cheap and durable and of great utility.

My invention consists in the several novel features of construction and operation hereinafter described and which are specifically set forth in the claims hereto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a side view of a stout of corn, bound with my improved binder. Fig. 2, is a view of the binder complete in the position it assumes ready to be secured to a stout. Fig. 3, is a view of the ends of the cord, one of which is secured permanently and the other detachably to the ends of the hook. Fig. 4 is a view of the hook, detached.

A, is a hook provided at one end with an eye—1—, to which is secured a rope, cord, chain or like material B. The opposite end of the hook is bent first to form the loop—2—, at substantially a right angle to the body of the hook, thence bent similarly to form the loop—3— directly opposite to it and at substantially a corresponding angle to the body, thence bent downwardly forming the arm—4—, creating a V-shaped recess between it and the body of the hook.

My invention is operated as follows: The free end of the cord—B— is first passed around the stout until it meets substantially the eye where the opposite end is secured, the free end is then wound around and occupies the recess formed by the loops—2— and—3—, as shown in the drawings, and thence it is passed obliquely or transversely across to the V-shaped recess from the inside so that the free end will extend to the outside as shown in Fig. 3. Then the elasticity of the compressed bundle will force it up tightly against the coils of cord—a—, thereby securely securing it where it may be readily detached when desired, by unwinding. It will be observed that when the free end of the cord is drawn tightly into the jaws of the V-shaped recess, it will also serve to retain it therein.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A binder as a new article of manufacture, comprising a hook, having an eye in one end, a cord secured therein, and its free end bent first to form loops, substantially at right angles to the body, thence bent downwardly forming a V-shaped recess, as set forth.

2. A hook for a binder, having an eye at one end, and bent at its opposite end to form loops at substantially right angles to the body, thence bent downwardly forming a V-shaped recess between the end and the body, all constructed from a continuous piece of wire, as set forth.

In witness whereof I have hereunto set my hand this 28th day of September, 1892.

HENRY N. MUSSER.

In presence of—

M. A. MARK,

H. H. PLASTERER.