

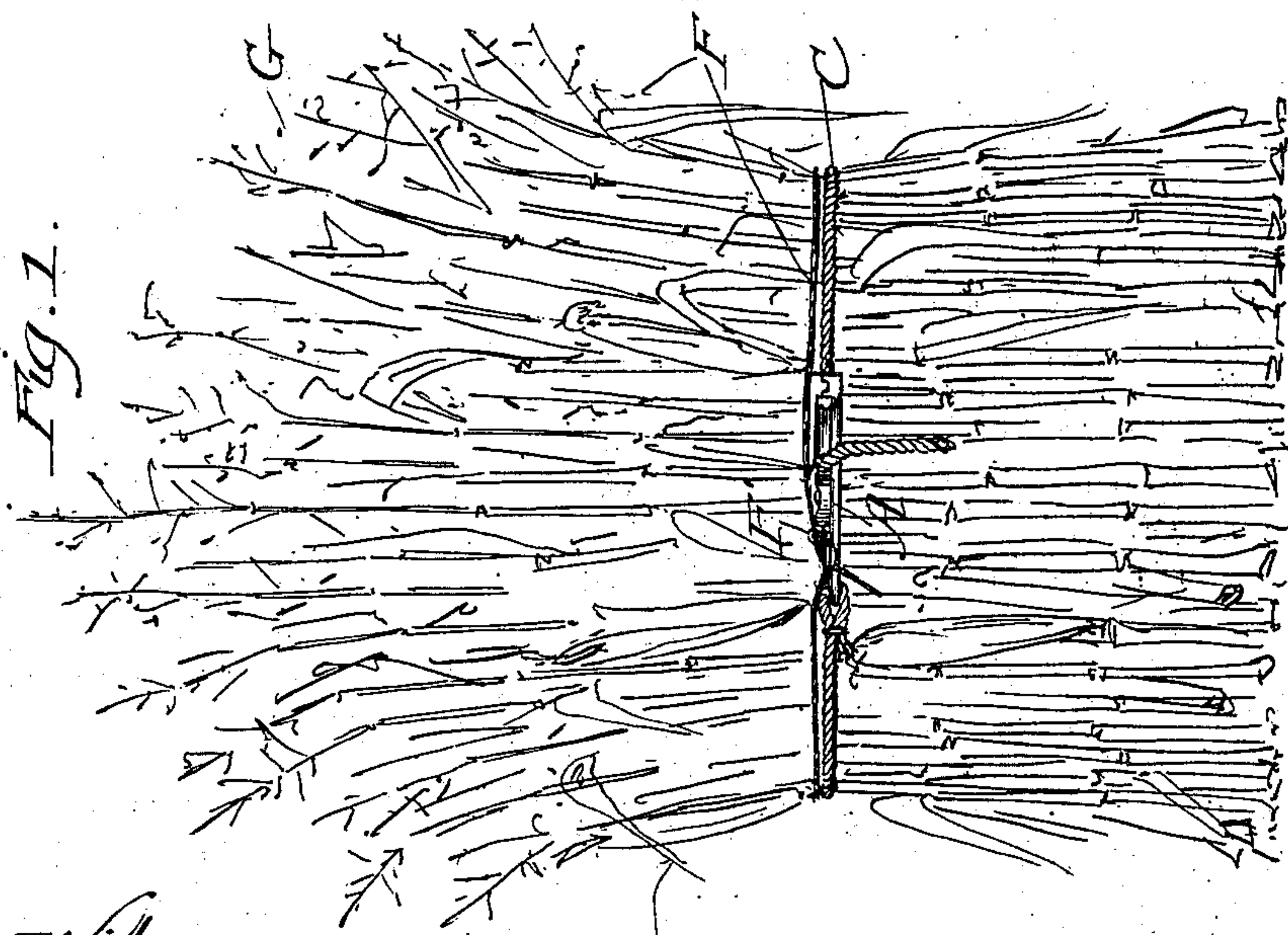
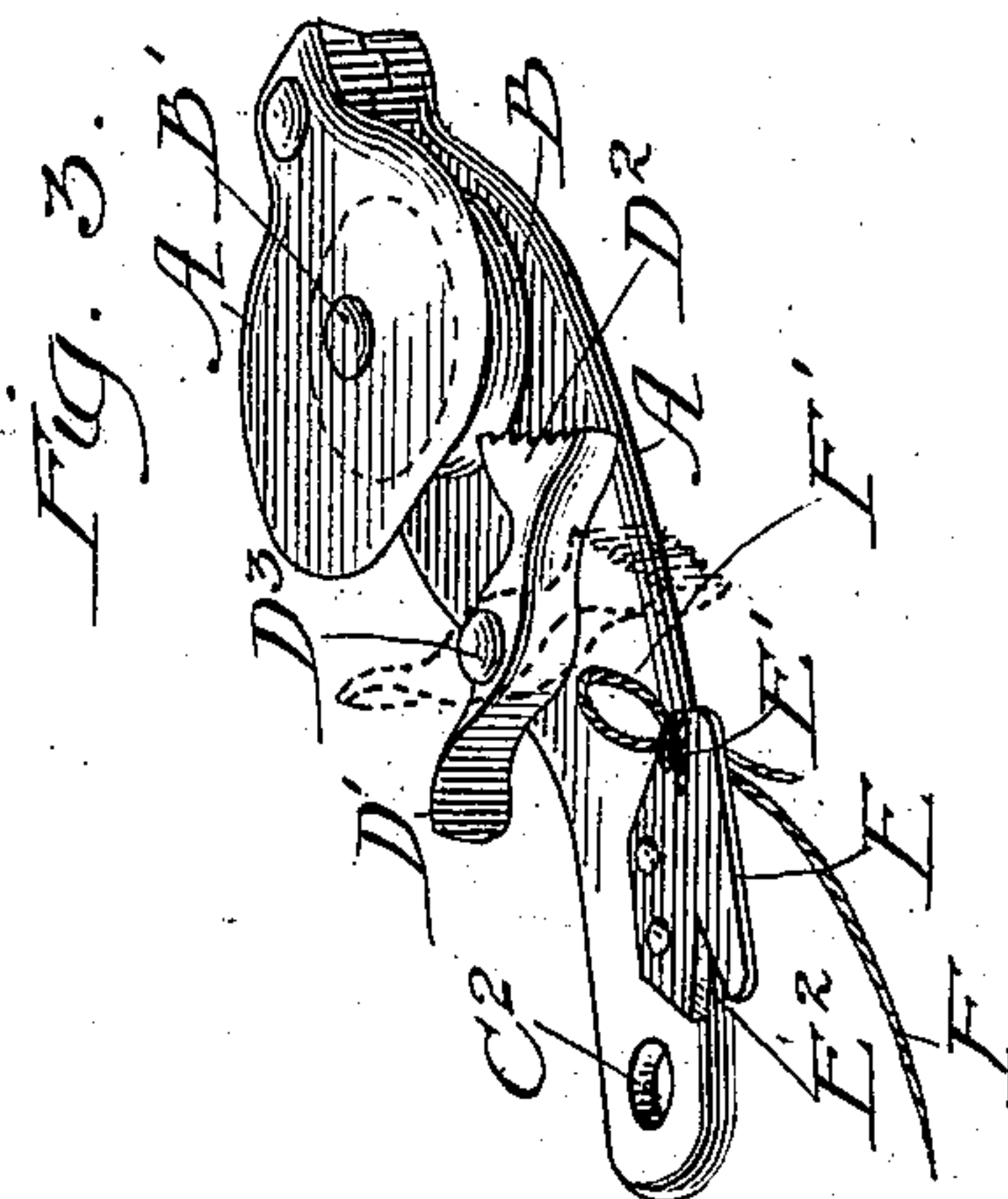
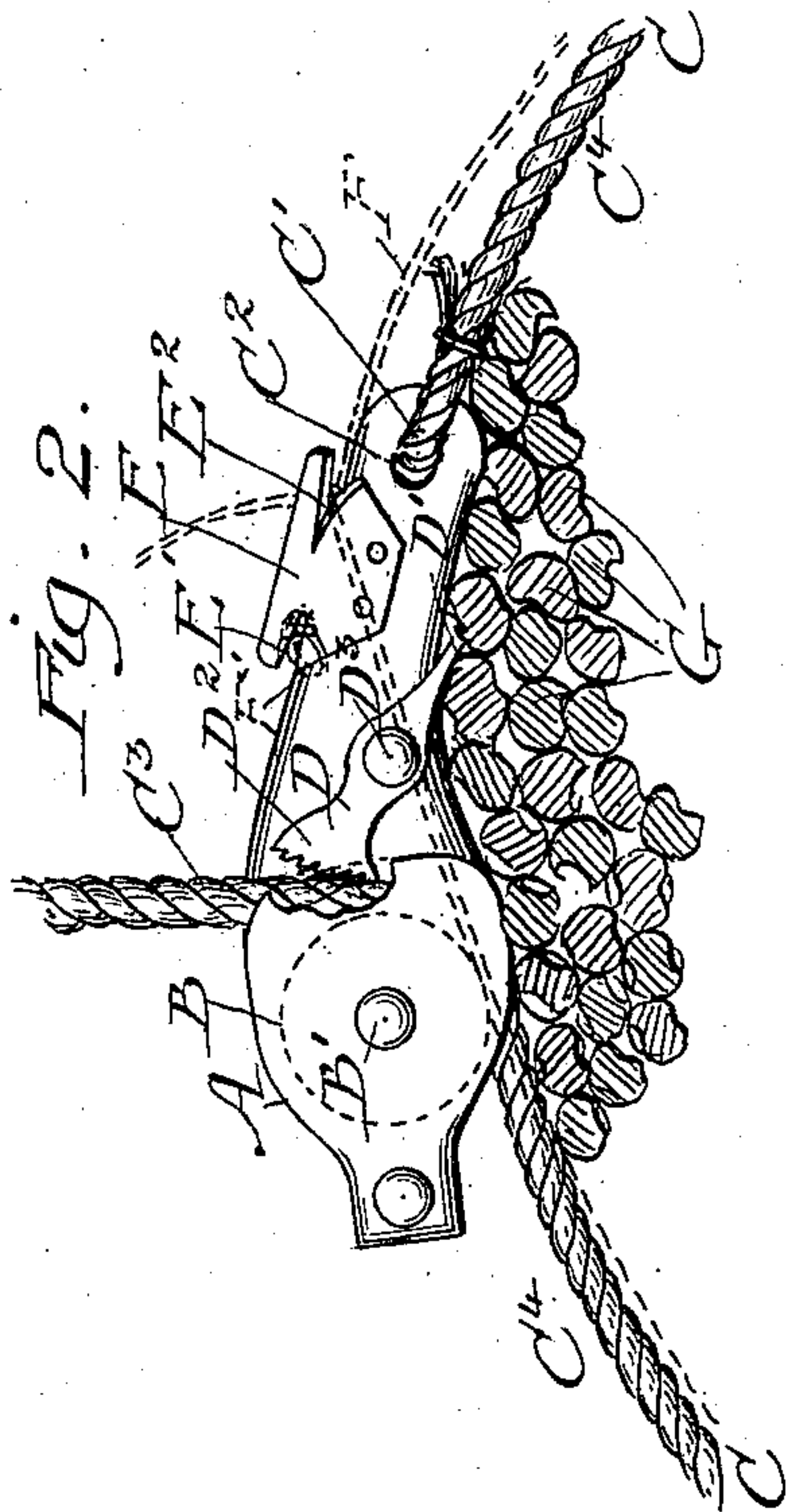
No. 695,558.

Patented Mar. 18, 1902.

H. M. HUNTINGTON.
HAND BINDER.

(Application filed Nov. 30, 1900.)

(No Model.)



Witnesses:
Frank Blanchard
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UNITED STATES PATENT OFFICE.

HARLOW M. HUNTINGTON, OF BELVIDERE, ILLINOIS.

HAND-BINDER.

SPECIFICATION forming part of Letters Patent No. 695,558, dated March 18, 1902.

Application filed November 30, 1900. Serial No. 38,163. (No model.)

To all whom it may concern:

Be it known that I, HARLOW M. HUNTINGTON, a citizen of the United States of America, residing at Belvidere, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in Hand-Binders, of which the following is a specification.

The object of my invention is to produce a hand-binder adapted for use in binding corn stalks and the like into bundles; and it consists, essentially, of constructing and combining a suitable base, a sheave mounted therein, a compressing-rope fast by one end to the base and adapted to be engaged with and disengaged from the sheave, and a grip-lever co-acting with the sheave to grip and hold taut the compressor portion of the compressing-rope.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is a side elevation of a shock of corn in process of being bound by means of my improved binder. Fig. 2 is an enlarged sectional detail of parts shown in Fig. 1. Fig. 3 is an isometrical view of the binder minus the compressing-rope.

Like letters of reference indicate corresponding parts throughout the several views.

A is a base formed, preferably, of cast-iron.

B is a sheave mounted therein on a pintle B'.

C is a compressing-rope fast by one end C' to the base A by being passed through and secured in the hole C² therein and having its free end portion C³ adapted to be engaged with and disengaged from the sheave B.

D is a grip-lever, mounted between its ends D' D² on the pivot-bearing D³ on the base A and adapted to coact with the sheave B to grip and hold taut the compressor portion C⁴ of the compressing-rope C.

E is a strip of metal, preferably tempered steel, fast to the base A and having therein a slot E' to temporarily receive and connect one end of a line of binding-twine with such base A and provided with an edged indentation E² for cutting off the requisite amount of twine for binding each bundle.

F is a line of binding-twine having a loop F' on one end thereof.

Supposing the stalks G to be bound to have been severed from their roots in the usual or any manner and assembled as in Fig. 1. The

operator then connects one end of the twine F' with the slot E' in the strip E, Fig. 3. He next passes the binder, with its rope C and twine F, from right to left around the stalks and turning the lever D to the position shown by dotted lines in Fig. 3 engages the free end portion C³ of the rope C with the sheave B, Fig. 2, and then supporting the binder with his left hand he with his right hand pulls the free end C³ thereof over the sheave B until the stalks are compressed as compactly as desired. He will next release the rope C, and the resiliency of the stalks G, Fig. 2, acting upon the free end D' of the lever D, will cause the serrated end D² thereof to coact with the sheave B to grip and hold taut the compressor portion C⁴ of the rope C. He will then cut off, by means of the edged indentation E² in the part E', as much twine F as is required to tie the bundle, preferably passing the free end thereof through the loop F' and after drawing it therethrough taut tying it thereto in any desired manner. The operator will next disengage the lever D from the rope C and the latter from the sheave B, when the binder will be ready for use in binding the next bundle.

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

In a hand-binder, in combination, a base, a sheave mounted therein, a compressing-rope, fast by one end to the base, and adapted to be engaged with, and disengaged from, the sheave, and a grip-lever, operated by the resiliency of the stalks being bound and coacting with the sheave to grip and hold taut the compressor portion of the compressing-rope, and the metal strip E, fast to the base and having therein a slot E', to temporarily connect one end of a line of binding-twine with the base, and also provided with an edged indentation E² for cutting off the requisite amount of twine for binding a bundle, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARLOW M. HUNTINGTON.

Witnesses:

L. L. MORRISON,
NELLIE BUNKER.