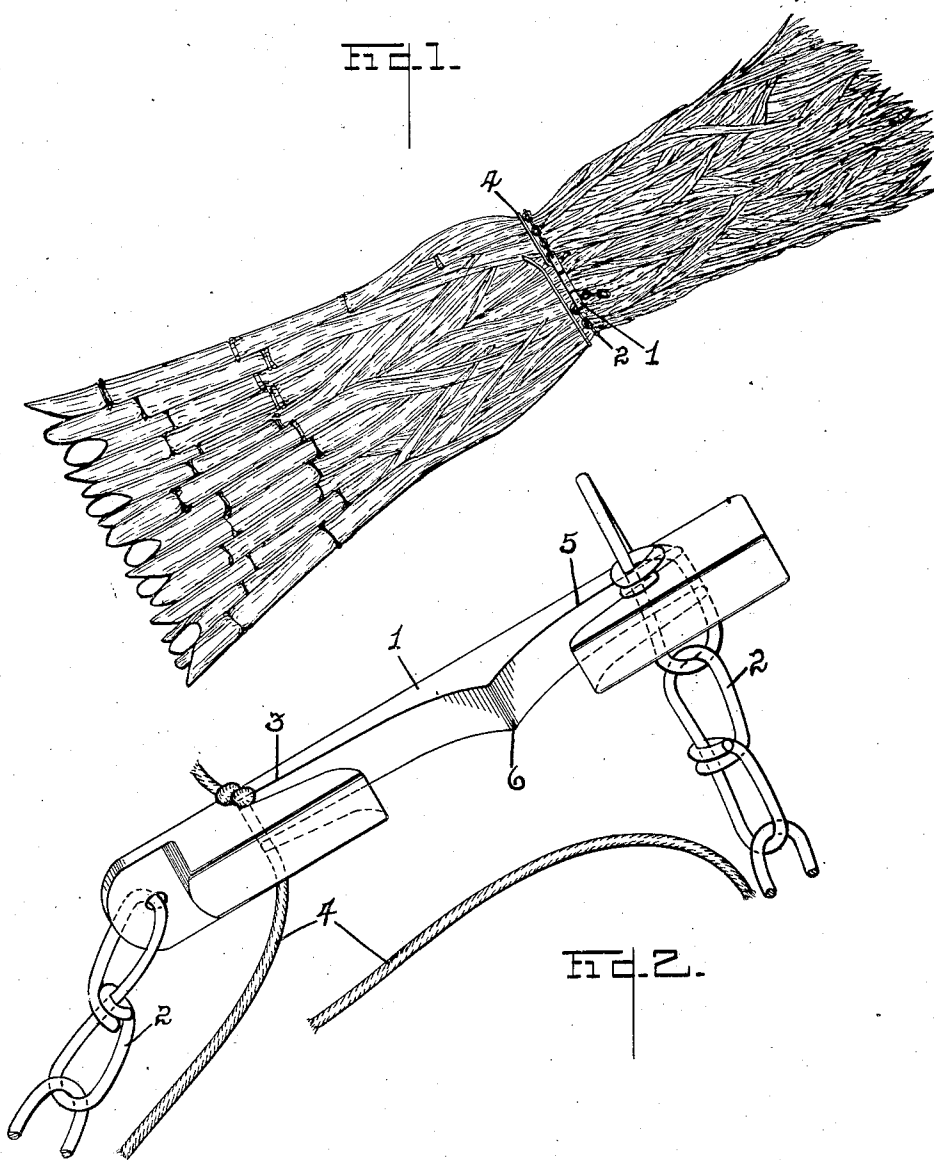


Dec. 28, 1926.

1,612,396

N. REDMOND
BUNDLE BINDING DEVICE

Filed June 23, 1926



Inventor

Newton Redmond

By

Owen & Owen

Attorneys

UNITED STATES PATENT OFFICE.

NEWTON REDMOND, OF TOLEDO, OHIO.

BUNDLE-BINDING DEVICE.

Application filed June 23, 1926. Serial No. 117,945.

This invention relates to devices for wrapping bundles, but more particularly to a device for bundling corn shocks.

Objects of this invention are to provide a simple and efficient device for bundling articles of a cumbersome nature which may be conveniently handled to effect a tight compact bundle; to provide a bundle tier which may also aid in gathering the loose articles together; and to provide a device for wrapping bundles having the new and improved features of construction and arrangement hereinafter described.

The invention is shown by way of illustration in the accompanying drawings, in which:

Fig. 1 is a side elevation of a corn shock showing my improved bundling device applied thereto; and Fig. 2 is an enlarged detail view of the bundling device.

The bundling of articles, such as corn stalks, has been found to be a difficult proposition, especially when it is considered that the bundling is ordinarily done by hand, and in relatively cold weather necessitating the wearing of gloves so that the tying of knots is rendered exceedingly difficult. Furthermore, it is an extremely arduous task to so bundle corn stalks to provide a shock which will remain intact over a considerable period of time, because the cord cannot be drawn sufficiently tight around the shock to hold the several stalks together. Usually a clumsy looking shock is made which is not sufficiently secured to enable it to be pitched on a wagon without the stalks coming loose and separated.

In accordance with this invention an extremely simple and efficient device is provided which enables the stalks to be readily and conveniently bundled together, saving not only time and labor, but also cord. Briefly, this invention provides a block having a flexible element attached at one end, such for example, as a chain and which may be wrapped around the bundle securely fastened after the stalks have been tightly compacted and having a provision for the holding or guiding of the tying cord. It will be seen that after the bundle is securely held in compacted relation, the tying cord may be leisurely knotted so that a tight bundle may be effected, regardless of the fact that gloves are worn and that bulky and cumbersome articles are being handled.

The illustrated embodiment of the inven-

tion comprises a relatively narrow, elongate block 1, which is preferably made from a casting, and attached to one end of the block is a chain 2. Provided in the block adjacent the point of attachment of the chain to the block, is a tapered slot or recess 3, which is adapted to receive one end of the tying cord 4. In this instance the tying cord is shown as being knotted so that it will not slip through the recess. The opposite end portion of the block 1 is also formed with a tapered recess 5 adapted to receive a link of the chain 2 and holds same securely in position after the chain has been drawn tightly around the bundle. Intermediate the recesses 3 and 5 is a raised portion 6 which serves as a guard for preventing the thumb or fingers from interfering with the attachment of the chain 2 to the recess 5, and also provides a convenient portion to be grasped.

By way of illustration, and not of limitation, the above described device is useful in bundling corn stalks to form a compact shock, and as shown in Fig. 1 the block 1 is grasped at the end adjacent the point of attachment of the chain 2, and the opposite end portion of the block aids in gathering the stalks together. After a sufficient number of the stalks have been gathered, the block 2 is extended around the bundle, and thereafter, by drawing the chain 2 tightly, one of the links may be inserted into the recess 5. It will be seen that considerable force may be exerted by this arrangement in effecting a tight bundle. After the bundle has been thus secured, the loose end of the tying cord 4 is drawn around the bundle, and after the knotted end is removed from the recess 3 it may be knotted to hold the stalks together. Thereafter, the chain 2 may be disengaged from the recess 6.

While I have shown and described a construction which is the best form known to me at the present time, it is to be understood that the above is given by way of illustration and not of limitation, and numerous changes in details of construction and arrangement may be effected without departing from the spirit of the invention, as defined in the appended claims.

What I claim is new and desire to secure by Letters Patent is:

1. In a bundle binding device, a body having an intermediate guard and having tapered recesses located at the respective ends

of the guard, and a flexible bundling element secured at one end to one end of the body and having its opposite end formed to be received in the recess at the opposite end of the body the other recess being formed to receive one end of a tying cord.

2. A bundling device in accordance with claim 1, wherein the sides of the guard are oppositely inclined and merge into one of the walls of the respective recesses.

3. In a bundle binding device, a one-piece block having a central cutaway part on one side thereof and having the wall resultant

from the cutaway part formed with a guard which extends into the cutaway part and further having tapered recesses which extend from the ends of the cutaway part toward the respective ends of the block, and a flexible element secured at one end to one end of the block and having its opposite end formed to engage in the recess at the opposite end of the block, the other recess being formed to receive one end of a tying cord.

In testimony whereof I have hereunto signed my name to this specification.

NEWTON REDMOND.