

Feb. 12, 1924.

1,483,445

R. T. HOLTON

COTTON SQUARE PICKER

Filed Sept. 16, 1922

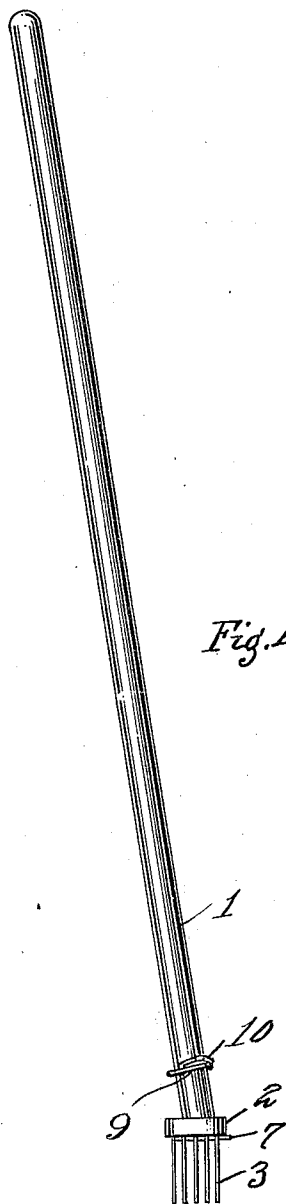


Fig. 1.

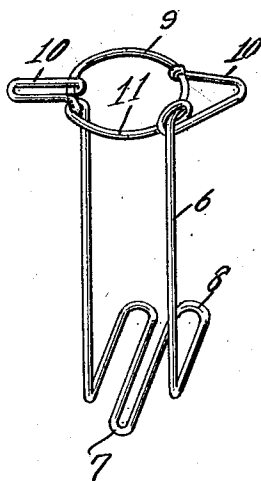


Fig. 2.

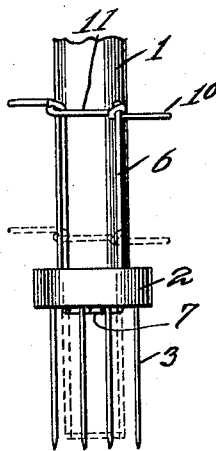


Fig. 3.

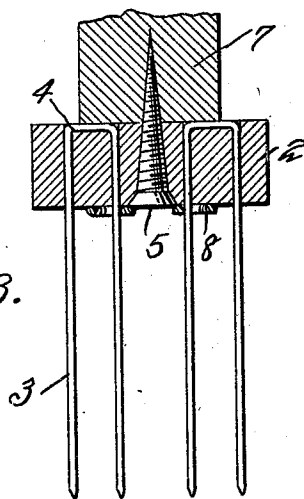


Fig. 4.

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Witnesses
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UNITED STATES PATENT OFFICE.

RUDD T. HOLTON, OF HUGO, OKLAHOMA.

COTTON-SQUARE PICKER.

Application filed September 16, 1922. Serial No. 588,652.

To all whom it may concern:

Be it known that I, RUDD T. HOLTON, a citizen of United States, residing at Hugo, in the county of Choctaw and State of Oklahoma, have invented certain new and useful Improvements in Cotton-Square Pickers, of which the following is a specification.

This invention relates to a device for gathering punctured cotton squares.

As is well known after a cotton square has become punctured by a boll weevil or the like it falls to the ground and it is the custom to gather these punctured and fallen squares for the purpose of destroying them so as to keep in check the boll weevil pest. If this gathering process is carried out by hand it is a very slow and tiresome procedure.

The principal object therefore of the present invention is to provide a gatherer by means of which the fallen squares may be quickly collected off of the ground without requiring any bending or any great amount of effort on the part of the user.

Another important object of the invention is to provide a cotton square gathering device of this nature which will be simple and efficient in construction, reliable in operation, comparatively inexpensive to manufacture, durable and well adapted to the purpose for which it is designed.

With the foregoing and other objects in view which will appear as the description proceeds the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed it being understood that the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is an elevation of the gathering device embodying my invention.

Figure 2 is an enlarged elevation of the lower end thereof.

Figure 3 is an enlarged section through the lower end thereof, and

Figure 4 is a detail perspective of the cleaning means for the spike.

Referring to the drawing in detail it will be seen that 1 designates an elongated shank having mounted at one end a disk plate 2 in which is disposed a plurality of spikes

3 extending parallel to each other. These spikes preferably are arranged in pairs connected at their upper ends as at 4 forming an inverted U-shaped structure for convenience of mounting. The disk plate 2 is firmly held upon the end of the shank 1 by a screw 5.

The cleaning means for the spike 3 is formed from a single strand of wire bent as is shown to advantage in Fig. 4 so as to include a pair of parallel disposed arms 6 which pierce the disk 2 so as to be movable therethrough. At the bottom ends of the arms 6 there is mounted a cleaning frame indicated generally at 7 and including a pair of U-shaped members 8. At the upper end of one arm 6 there is formed a loop extension 9 which engages the other leg 6 and terminates in a finger engaging portion 10. The other leg 6 is provided with an extension 11 which engages the first mentioned leg 6 and also terminates in a finger engaging member 10. It will be seen that the loops 9 and extensions 11 surround the shank 1 and may be moved longitudinally thereof by the finger pieces 10 thereby causing the cleaning frame 7 to remove the cotton squares from the spikes 3.

From the above description it will be seen that a very simple and efficient gathering device has been produced consisting of a minimum number of parts all of which may be manufactured at a low cost because of simple construction and the fact that they can be formed from comparatively cheap material.

Having thus fully described my invention what I claim is:—

1. A gathering device of the class described including a shank, a plate mounted on one end of the shank, a plurality of parallel spikes extending from the plate, a cleaning device including a pair of legs piercing the plate and movable therethrough and a cleaning frame mounted on the bottom ends of the legs including a pair of U-shaped members extending above the spikes and disposed at a plane at right angles to the plane in which are disposed said legs.

2. A gathering device of the class described including a shank, a plate mounted at one end of the shank, a plurality of parallel spikes extending from the plate, a cleaning device formed from a single strand

of wire so as to provide a pair of legs pier-
ing the plate and movable therethrough, a
cleaning frame disposed on the bottom ends
of the legs and including a pair of U-shaped
5 members connected together and disposed
in a plane at right angles to the plane of the
legs, extensions formed on the other ends
of the arms and curved to provide a loop

surrounding the shank, and finger engaging
portions formed on the loops. 10

In testimony whereof I affix my signature
in presence of two witnesses.

RUDD T. HOLTON.

Witnesses:

E. JONES.

RUSH RECORD.