

T. G. TASKER.
ATTACHMENT FOR PLOWS.

No. 445,267.

Patented Jan. 27, 1891.

FIG. 1

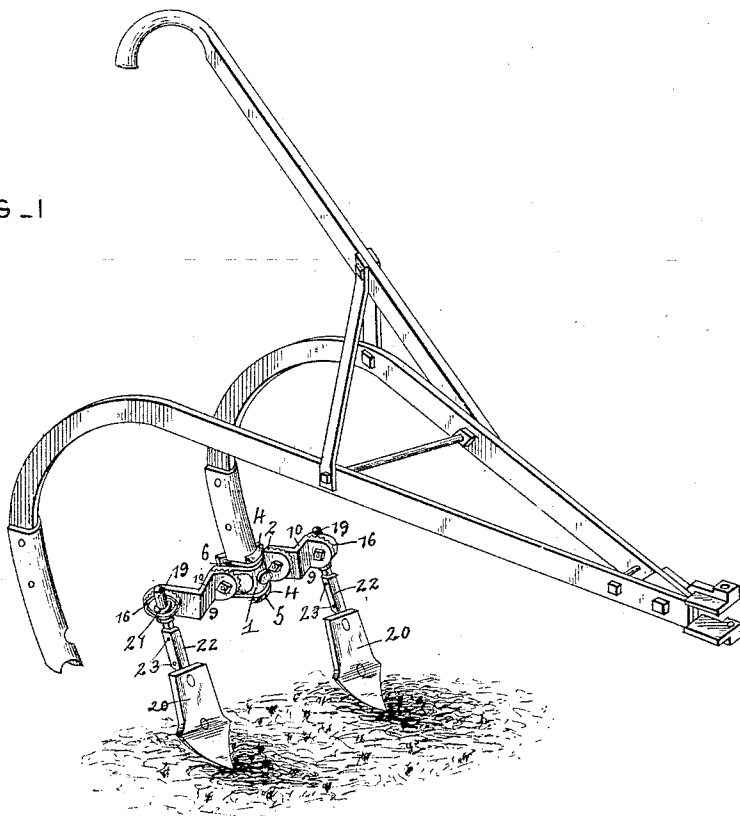
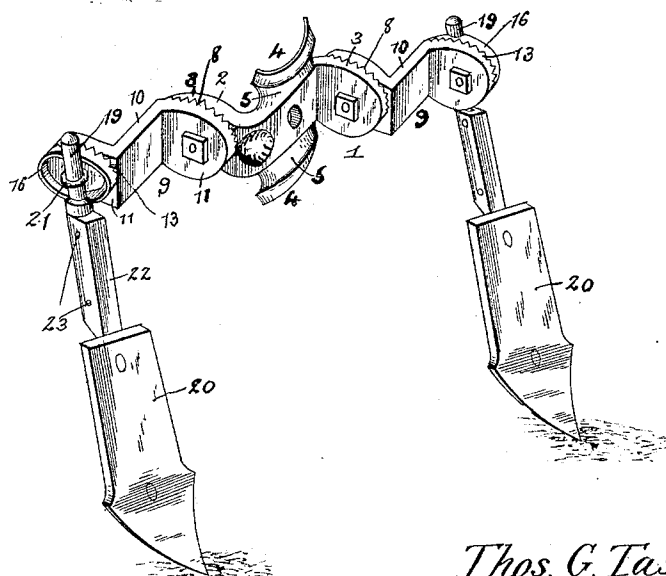


FIG. 2



Witnesses

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FIG. 3—

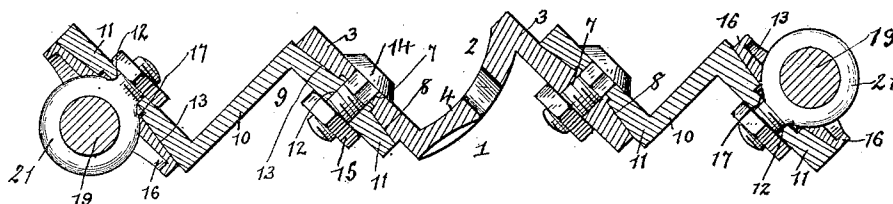


FIG. 4—

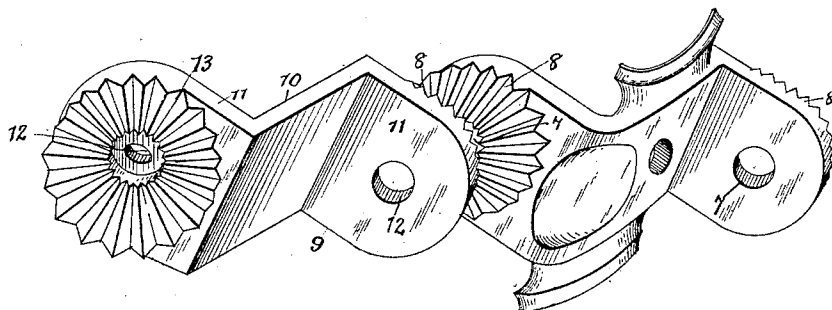
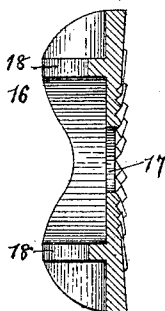


FIG. 5—



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS G. TASKER, OF WYOMING, IOWA.

ATTACHMENT FOR PLOWS.

SPECIFICATION forming part of Letters Patent No. 445,267, dated January 27, 1891.

Application filed June 9, 1890. Serial No. 354,784. (No model.)

To all whom it may concern:

Be it known that I, THOMAS G. TASKER, a citizen of the United States, residing at Wyoming, in the county of Jones and State of Iowa, have invented a new and useful Attachment for Cultivators, of which the following is a specification.

This invention relates to attachments for cultivators; and it has for its object to provide simple, durable, and efficient mechanism whereby the cultivator-shovels may be readily and quickly adjusted in many different positions for operation.

My invention with these ends in view consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a cultivator equipped with my attachment. Fig. 2 is a perspective view of the attachment removed from the cultivator. Fig. 3 is a longitudinal horizontal sectional view of the same. Fig. 4 is a detail view showing the parts of the attachment separated or detached from each other. Fig. 5 is a sectional detail view of one of the clamping-plates 16.

Like numerals of reference indicate like parts in all the figures.

1 designates the central piece of my improved cultivator attachment, which serves for attachment to the cultivator-beam. The said center piece is composed of a central plate 2, ends of which are provided with wings 3 3, extending in opposite directions. The center plate 2 is provided at its upper and lower edges with flanges 4, having grooves 5 to form seats for the clips 6, by means of which the device is in practice attached to the cultivator-standard. The wings 3 3 are in the shape of circular disks, and are provided with central perforations 7 and in their outer faces with radial grooves or corrugations 8.

9 9 designate extension-plates, each of which comprises a central plate 10, provided at its ends with wings 11, extending outwardly in opposite directions. Each of the wings 11 is centrally perforated at 12, and is provided in its outer face with radial grooves or corrugations, as shown at 13. The extension-plates 9 are secured to the main plate 1 by means

of bolts 14 passing through the perforation in the wings 11 and 3, which are placed with their radially-grooved meeting faces in contact with each other. It will thus be seen that the extension-plates may be attached to the main plate at any desired angle, and may be held securely at the desired adjustment by tightening the nuts 15 upon the bolts 14.

16 16 designate the circular clamping plates or disks which are placed in contact with and secured to the outer wing 11 of each extension-plate. Each of said clamping-disks consists of a circular plate centrally perforated, as at 17, and having the radially-grooved meeting face to enable it to be clamped securely at any desired adjustment. The upper sides of the clamping-plates 16 are provided with diametrical grooves 18, forming seats for the shanks 19 of the cultivator plows or blades 20. Said shanks are held in the eyebolts 21, which extend through the perforations 17 and 12 in the clamping-plates 16 and the adjacent wings 11. It will be seen that by tightening the nuts upon the said eyebolts the shanks 19 will be drawn up tightly into the seats formed for their reception, and thus be held securely in any position to which they may be adjusted. The shanks 19, carrying the cultivator-blades, are round at their upper ends, which are seated in the eyebolts. The lower ends of said shanks are flattened, and upon the said flattened portions the boxes 22 are pivoted upon the pins 23 near the lower ends of the shanks 19. The said boxes are connected near their upper ends with the shanks 19 by means of the break-pins 23, which in case of rocks, stumps, or other similar obstructions being encountered will break, thus permitting the box, to the lower end of which the cultivator-blade is attached, to swing in a rearward direction, and thus preventing serious injury to the machine.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood.

The shanks carrying the cultivator-blades may be readily adjusted to any position that may be desired, the construction of the attachment being such as to permit the extension-plates, as well as the clamping-plates, to

be adjusted at any desired angle, while the shanks carrying the cultivator-blades may not only be raised or lowered, but may also be rotated in the eyebolts in which they are mounted.

The general construction of my improved cultivator attachment is simply and inexpensive, and it may be readily applied to any cultivator of ordinary construction.

Having thus described my invention, I claim—

1. An attachment for cultivators comprising a center plate having oppositely-extending centrally-perforated and radially-grooved wings, extension-plates provided with centrally-perforated and radially-grooved wings, the centrally-perforated and radially-grooved clamping-plates, and suitable connecting-bolts and nuts, substantially as and for the purpose set forth.

2. In a cultivator attachment, the herein-described center plate having oppositely-extending centrally-perforated and radially-grooved wings, said center plate being provided at its upper and lower edges with grooved flanges forming seats for the clips, whereby it is to be attached to a cultivator-standard in position for operation, substantially as set forth.

3. In a cultivator attachment, the combination of the center plate having grooved flanges or clip-seats and provided with oppositely-extending centrally-perforated and radially-grooved wings, the extension-plates having oppositely-extending, centrally-perforated,

and radially-grooved wings, the clamping-plate having central perforations, radially-grooved meeting faces, and diametrical grooves in their outer sides, the connecting-bolts and nuts, the eyebolts, and the shanks carrying the cultivator-shovels and having rounded upper ends, substantially as and for the purpose set forth.

4. In a cultivator attachment, the combination of the center plate adapted to be attached to a cultivator-standard, the extension-plates and the clamping-plates, said center plate, extension-plates, and clamping-plates being provided with centrally-perforated and radially-grooved meeting faces, and the connecting-bolts, the eyebolt, and the shanks carrying the shovels, all arranged and operating substantially as set forth.

5. The combination, with the central plate 2, the ends of which are provided with wings 3, extending in opposite directions, said central plate being clamped to a cultivator-standard, of the extension-plate 9 on each side of the central plate, said extension-plate being likewise provided with wings 11, which are clamped to the wings 3 of the central plate, and the cultivator-shanks clamped to the extension-plates, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS G. TASKER.

Witnesses:

DAVID A. WHITE,
W. G. WHERRY.