

No. 648,980.

Patented May 8, 1900.

D. NEALE.

GATHERER AND COMPRESSOR FOR BUNDLING AND BINDING BRUSH.

(Application filed June 17, 1899.)

(No Model.)

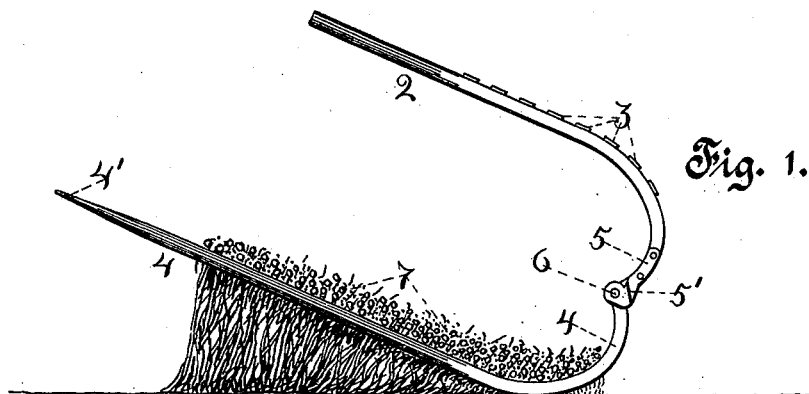


Fig. 1.

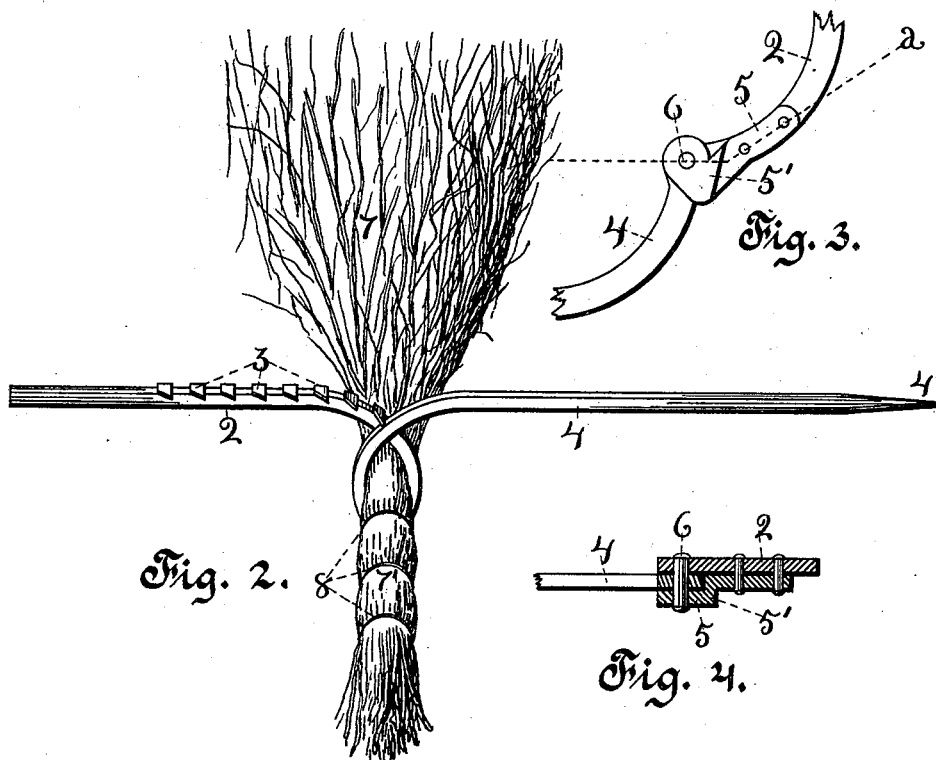


Fig. 2.

Fig. 3.

Fig. 4.

WITNESSES:

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DAVID NEALE, OF FORT CALHOUN, NEBRASKA.

GATHERER AND COMPRESSOR FOR BUNDLING AND BINDING BRUSH.

SPECIFICATION forming part of Letters Patent No. 648,980, dated May 8, 1900.

Application filed June 17, 1899. Serial No. 720,939. (No model.)

To all whom it may concern:

Be it known that I, DAVID NEALE, a citizen of the United States, residing at Fort Calhoun, in the county of Washington and State of Nebraska, have invented a new and useful Gatherer and Compressor for Bundling and Binding Brush, of which the following is a specification.

My invention relates to improvements in gatherers, bundlers, and compressors particularly for constructing long or continuous fascines, or gathering, bundling, compressing, and binding brush - bundles of different lengths from brush of varying sizes and lengths; and the objects of my invention are, first, to provide a compressor by which the brush can be gathered up from the ground into the said compressor without handling said brush with the hands or other implement; second, to provide a double-lever compressor that will press and retain a bundle as nearly round as possible, and, third, to provide a strong hinge-joint that will limit the opening of the compressor-levers. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the machine as a gatherer in operation. Fig. 2 is a perspective view of the compressor applied to a long bundle or continuous fascine. Fig. 3 is an enlarged side view of the hinged joint, and Fig. 4 is a section on the broken line *a* of Fig. 3.

Similar numerals refer to similar parts throughout the several views.

The curved lever-jaw 4 has its free end 4' pointed to facilitate thrusting it through or under the brush 7 to gather the brush into the compressor, and a portion of 4, adjacent to the point, is rounded and made smooth for grasping by the hands of the operator, as is also the free end of the curved lever-jaw 2. The other ends of these two jaws 4 and 2 are hinged together and are bent toward each other in curvature increasing toward the hinge, thus forming a pair of jaws the space between which more nearly approximates a circle as the jaws are more nearly closed. The hinge joint or pivot is formed by riveting a short branch 5 to one side of the curved lever-jaw

2 to form a bifurcation in which to pivot the curved end of the lever-jaw 4, at the curved end of the lever-jaw 2. The pivot-pin 6 is seated through lateral perforations in these ends and headed down, as shown in Figs. 3 and 4. The short branch 5 has a lateral or flatwise bend and a coincident outward edge-wise bend 5' to form the bottom of the fork and serve as a stop, against which the back edge of the curved jaw 4 impinges to limit the opening of the jaws to a position where the straight parts 2 and 4 are about parallel with each other, as shown in Fig. 1. As shown hinged, the straight parts of the lever-jaws pass each other in adjacent parallel planes, and the curved lever-jaw 2 is provided with hooked teeth projecting into the plane of movement of the curved lever-jaw 4 to engage its back edge and retain the jaws closed, sufficient looseness of the hinged joint allowing the points of the teeth to pass the opposite jaw.

In operation the gatherer and compressor is grasped by the rounded free end of the curved lever-jaw 2, and the pointed end 4' of the opposite lever-jaw 4 is thrust under the brush 7 and elevated at the point, as shown in Fig. 1, so that it can be grasped and the jaws forced closed, as shown in Fig. 2, in which position the binding-wires 8 are placed to secure the compressed fascine or bundle 7' and the compressor opened and shifted to a new position after each binding.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A brush gatherer and compressor having in combination a pair of lever-jaws with straight free end portions, and opposite integral end portions curved toward each other in increasing curvature, and one curved end pivoted in a bifurcation in the other curved end to impinge the bottom of the bifurcation to limit the opening of the lever-jaws to bring the straight end portions about parallel with each other; the end of one straight portion pointed, the other adapted to serve as a handle to thrust the pointed end under to gather the brush, and one lever-jaw having hooked teeth

to engage the opposite lever-jaw when said jaws are closed around the brush substantially as shown and described.

2. A gatherer and compressor having in
5 combination a lever-jaw with a straight pointed end portion and a part having increased curvature toward the other end, and a lever-jaw hinged to said first-named jaw

and a stop to limit the separation of said jaw, said second jaw having retaining-teeth to en- 10 gage said first-named lever-jaw.

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Witnesses:

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