

(Model.)

G. E. BARKER.

BARBED FENCE.

No. 251,505.

Patented Dec. 27, 1881.

Fig. 1.

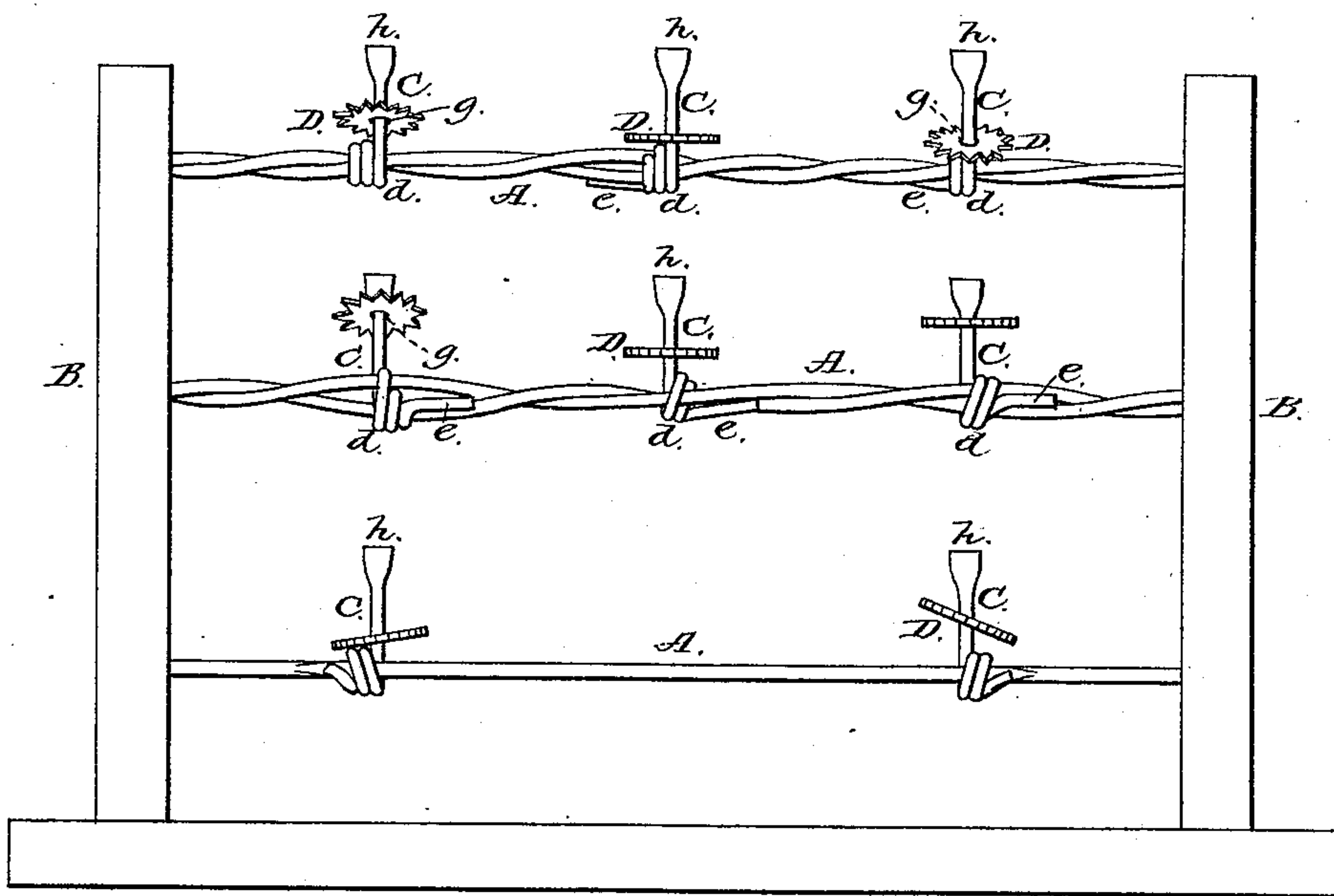
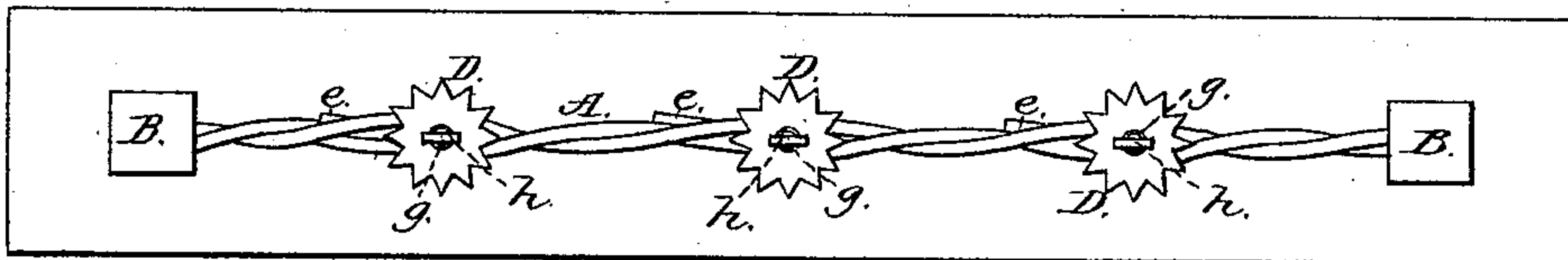


Fig. 2.



WITNESSES

John A. Ellis.
Philip C. Masi.

INVENTOR

Geo. E. Barker,
by Anderson Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE E. BARKER, OF WAVERLY, NEW YORK.

BARBED FENCE.

SPECIFICATION forming part of Letters Patent No. 251,505, dated December 27, 1881.

Application filed November 19, 1881. (Model.)

To all whom it may concern:

Be it known that I, GEORGE E. BARKER, a citizen of the United States, resident at Waverly, in the county of Tioga and State of New York, have invented certain new and useful Improvements in Barbed-Wire Fences; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 represents a side elevation, and Fig. 2 is a plan view.

This invention has relation to wire fences having rolling barbs; and it consists in the construction and novel arrangement, in connection with the main fence-wire or twisted strands, of the upright wire arms, secured to said wire or strand by being twined around the same, and bearing the loose rotary spurred wheels, said arms being of sufficient length to allow vertical and rocking movements to the wheels, all as hereinafter set forth, and particularly pointed out in the claims appended.

In the accompanying drawings, the letter A designates the main fence-wires or twisted strands, extending between posts B, to which they may be fastened in any ordinary manner. At regular intervals on these wires are secured the upright wire arms C. The wire of the arm is cut of sufficient length to allow its lower portion, *d*, to be twined about the wire or strands of the main line and the lower end, *e*, to be pressed up closely against said wire or strands in such a manner that the fastening will be rigid and the upper ends or arms, C, will be held firmly in position.

D represents the spurred wheels, which are usually stamped out of sheet metal, and are made with central apertures, *g*, of sufficient size to fit quite loosely on the arms C. These arms are about one-half inch in length usually, their height being sufficient to allow consider-

able vertical play to the spurred wheels when the latter are rubbed by stock; and the length of the arms, in combination with the large bearing-apertures in the wheels, permits also a rocking or tipping movement of the wheels. The upper ends, *h*, of the arms are laterally flattened, and thus spread to form stops to keep the wheels thereon.

Usually the arms C are designed to be secured to the wire and galvanized therewith, but the arms and spurred wheels may be easily applied to any standing wire fence. Punching is not required, and rivets are dispensed with. The rotary, vertical, and rocking or tipping movements of the wheels on the arms, when rubbed by stock, are of great advantage in preventing injury thereto. As the arms are long enough to permit play and the apertures of the wheels of comparatively large size, it is apparent that the wheels are not apt to become fixed or set in position should the parts become rusted by long exposure to the weather.

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

1. The combination, with the long upright bearing-arms C, having their lower ends rigidly turned around the main wire or strands, of the spurred wheels D, having large apertures *g*, whereby rotary, vertical, and tipping movements are permitted to said wheels, substantially as specified.

2. The combination, with the main wires or strands A, of the upright wire arms C, rigidly twined thereon, the loosely-playing spurred wheels D on said arms, and the stops *h* at the upper ends of said arms, substantially as specified.

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

GEORGE E. BARKER.

Witnesses:

PHILIP C. MASI,
M. P. CALLAN.