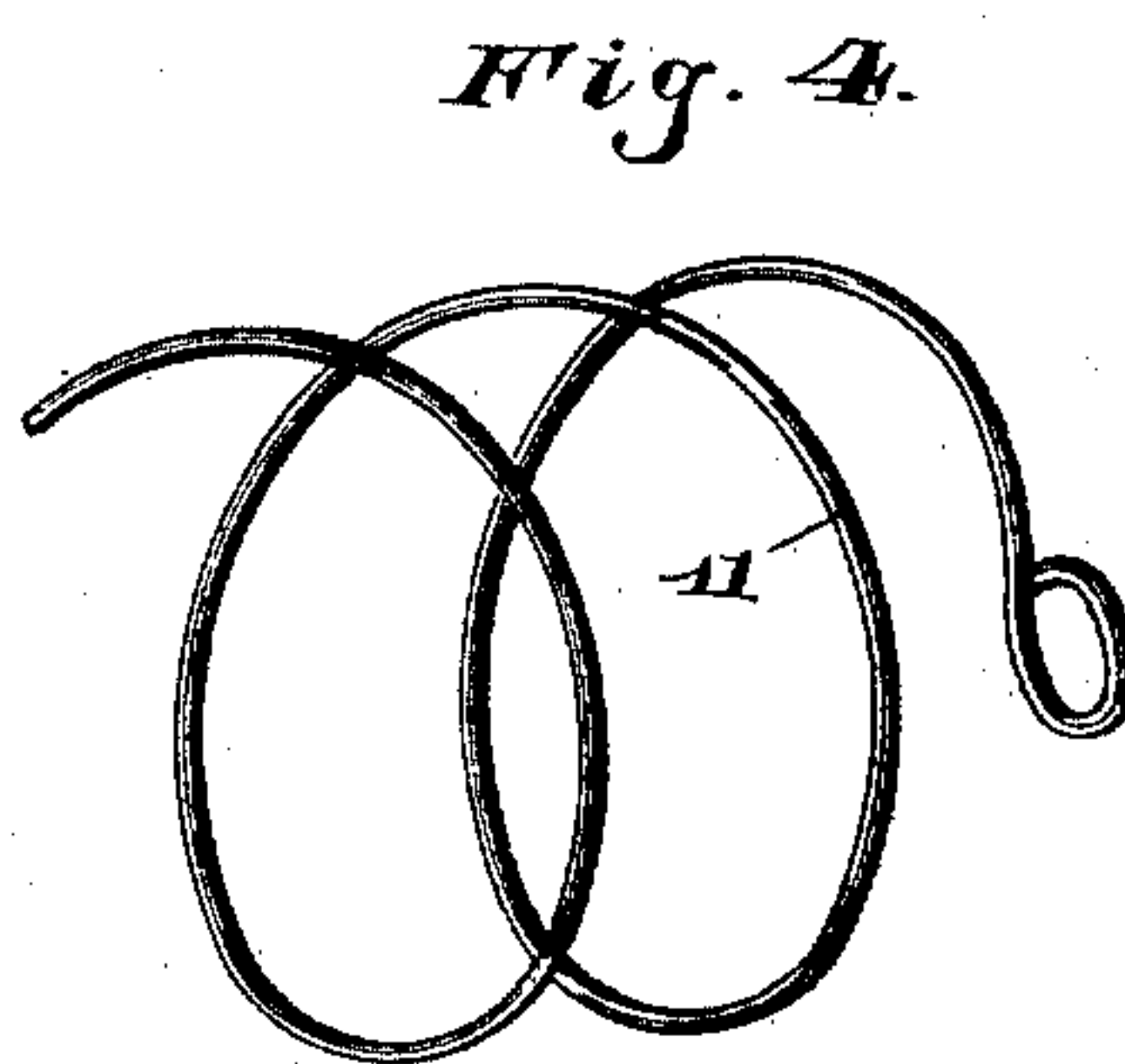
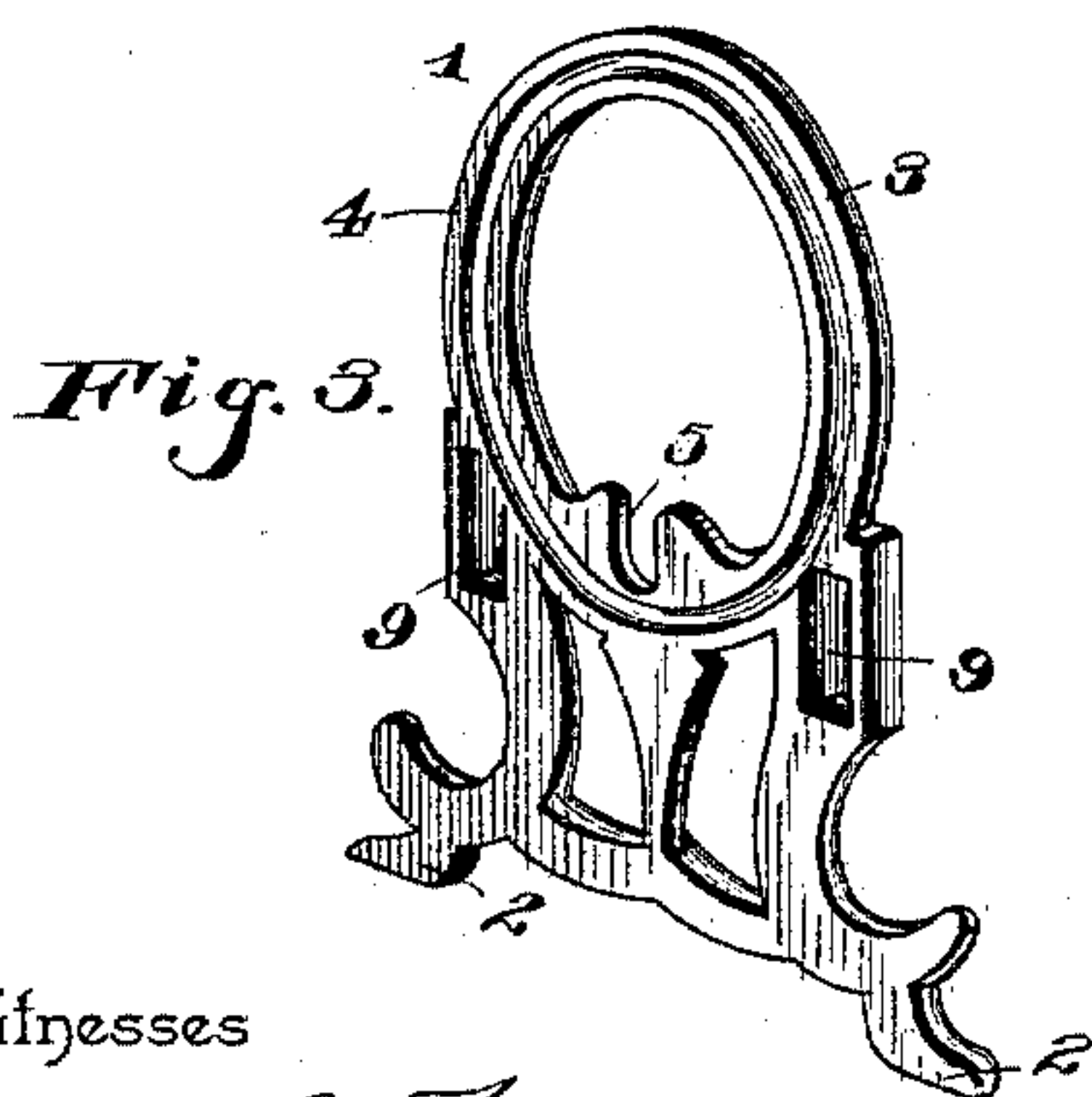
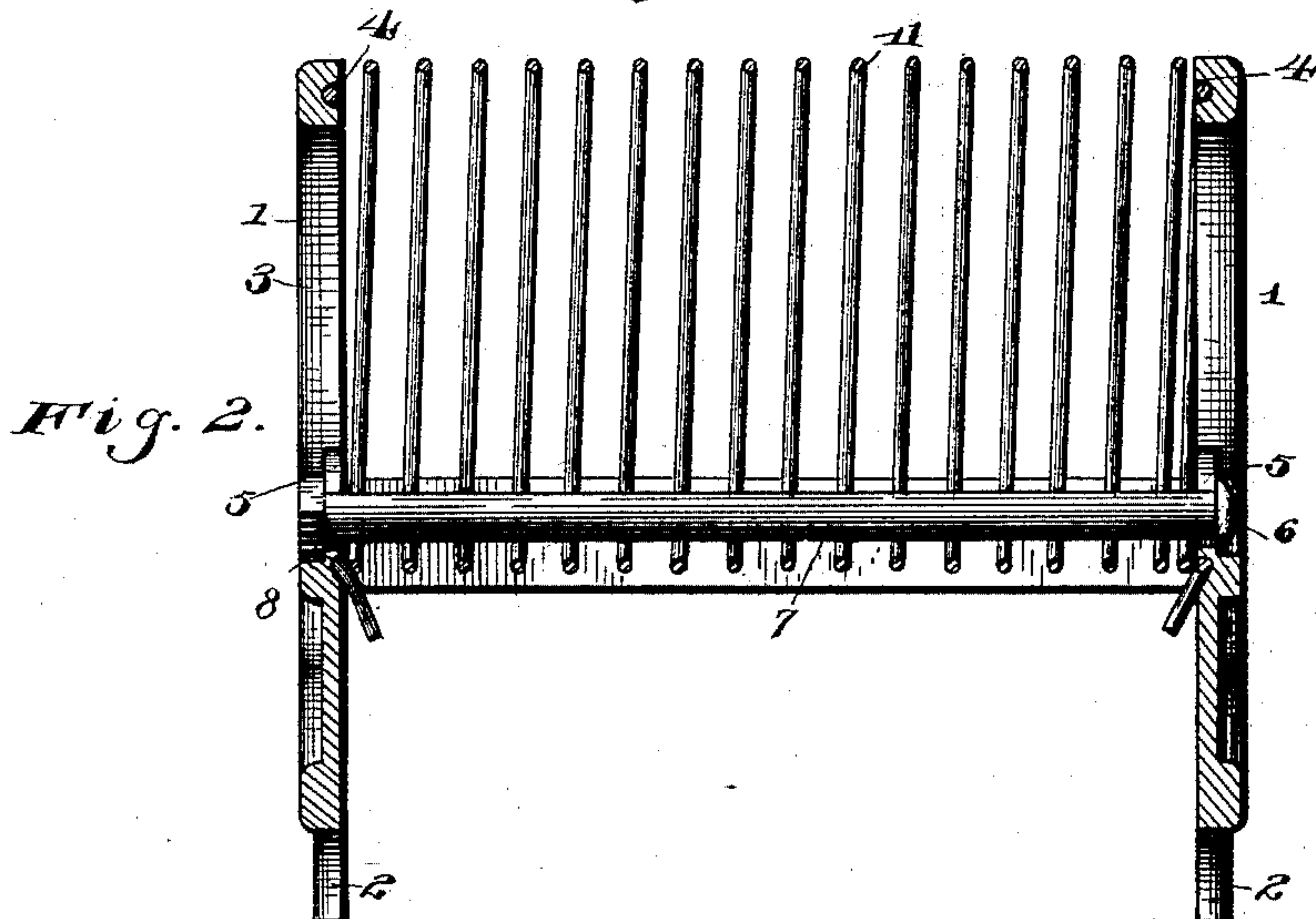
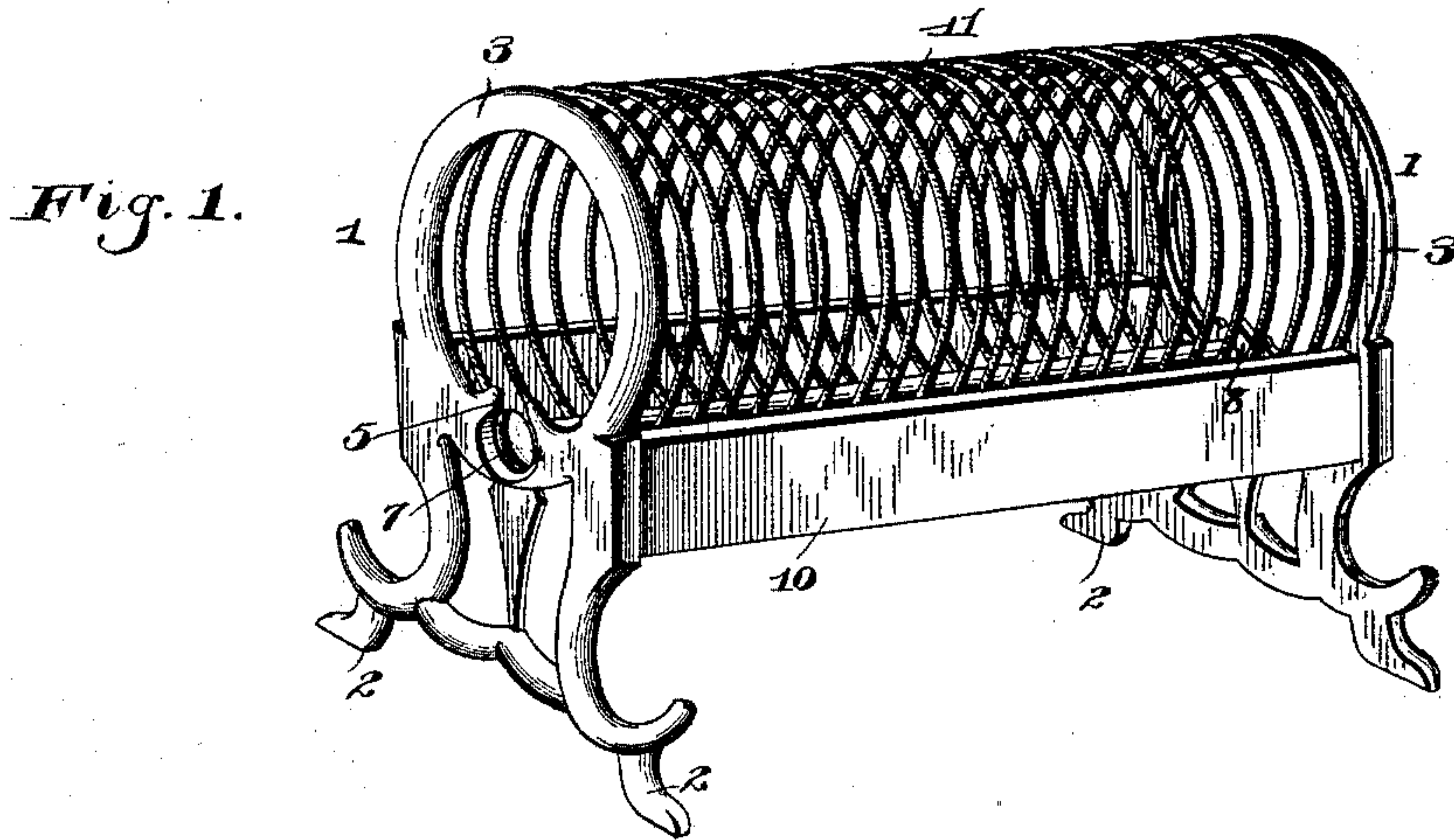


(No Model.)

S. E. MOORE.
PEN AND LETTER RACK.

No. 483,572.

Patented Oct. 4, 1892.



Witnesses

Chas. Ford

Chas. B. Hyer

Inventor

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UNITED STATES PATENT OFFICE.

SOLON E. MOORE, OF PUTNAM, CONNECTICUT.

PEN AND LETTER RACK.

SPECIFICATION forming part of Letters Patent No. 483,572, dated October 4, 1892.

Application filed June 15, 1892. Serial No. 436,839. (No model.)

To all whom it may concern:

Be it known that I, SOLON E. MOORE, a citizen of the United States, residing at Putnam, in the county of Windham and State of Connecticut, have invented a new and useful Pen and Letter Rack, of which the following is a specification.

This invention relates to certain new and useful improvements in pen-racks; and it consists of the construction and arrangement of parts thereof, as will be more fully hereinafter described and claimed.

The object of this invention is to provide simple and convenient means for supporting penholders, pencils, papers, or envelopes, the parts of the device being simple and effective in their construction and operation, strong and durable, and comparatively inexpensive.

In the drawings, Figure 1 is a perspective view of the improved device. Fig. 2 is a central longitudinal section thereof. Fig. 3 is a detail perspective view of one of the heads or ends. Fig. 4 is a detail perspective view of a portion of one of the springs, showing a slight modification in the construction of the same.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates the heads, which are each of similar construction with the other and provided with suitable legs 2 and an upper circular frame 3, having a circular groove 4 on the inner side thereof and a slot 5, with a recess adjacent thereto adapted to receive the head 6 of a connecting bolt or rod 7 at one end and a nut 8 on the opposite end of the said rod or bolt. The said heads are also provided with recesses 9 on the inner opposing faces thereof, which receive the opposite ends of parallel side bars 10, and by the construction set forth the several parts are securely held in position and braced against movement. A large coiled spring 11 is mounted between the heads 1, and the last coil on each end of the said spring is adapted to fit the circular groove 4 in each of the said heads. The said coiled spring is loosely confined between the said heads and is not attached at any point, so that either end can be readily moved when

so desired. The spring is held in proper position by being so mounted as to have the bolt or rod 7 inside of the lower portion of the coils thereof, and the said coils are guided in their automatic movement toward their normal position by the side bars 10.

The parts of the device are easily and readily assembled or dissembled, if so desired, and they may be ornamented in any suitable manner and made of metal or wood or other material applicable for the purpose, with the exception of the spring, which is always constructed of metal, as will be readily understood. As shown in Fig. 4, the end of the spring at each side may terminate in a ring instead of a loop, as shown in the other figures. This is a preferable construction for many and obvious reasons.

In the use of the device pens or pencils may be held between the coils of the springs or placed through the ends or heads 1 longitudinally, and letters or packets may readily be inserted between and held by the said coils of the spring. By moving the spring from one end or the other an open space may be formed, in which a very thin sheet of paper or a large package of papers may be held, if so desired.

The various parts of the device are simple in their construction and are of superior advantage and utility by reason of their strength and durability, and the device as a whole is thereby rendered comparatively inexpensive in manufacture and may be sold at a very small cost price.

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

1. In a device of the character set forth, the combination of a frame, grooved ends or heads at opposite portions of said frame, and a spring loosely supported thereby and freely movable at either end from or toward the ends or heads of the frame, substantially as described.

2. In a device of the character set forth, the combination of a frame having ends or heads with circular grooves therein, a connecting rod or bolt, and a spring freely movable and loosely connected to said frame and adapted to have the last coil at opposite ends thereof

to engage the said circular grooves of the ends or heads, substantially as described.

3. In a device of the character set forth, the combination of a frame having ends or heads
5 with circular grooves therein and constructed in the form of rings, together with recesses at opposite sides thereof and slots and recesses at the bases of said rings, side bars fitted in said recesses at the opposite sides of the ends
10 or heads, a connecting-bolt engaging said

slots or recesses at the bases of the rings, and a spring mounted in loose engagement with said parts, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 15 the presence of two witnesses.

SOLON E. MOORE.

Witnesses:

ERIC H. JOHNSON,
ALICE G. JOHNSON.