

(No Model.)

S. A. BARTLETT.
ADJUSTABLE POLE.

No. 463,471.

Patented Nov. 17, 1891.

Fig. 1.

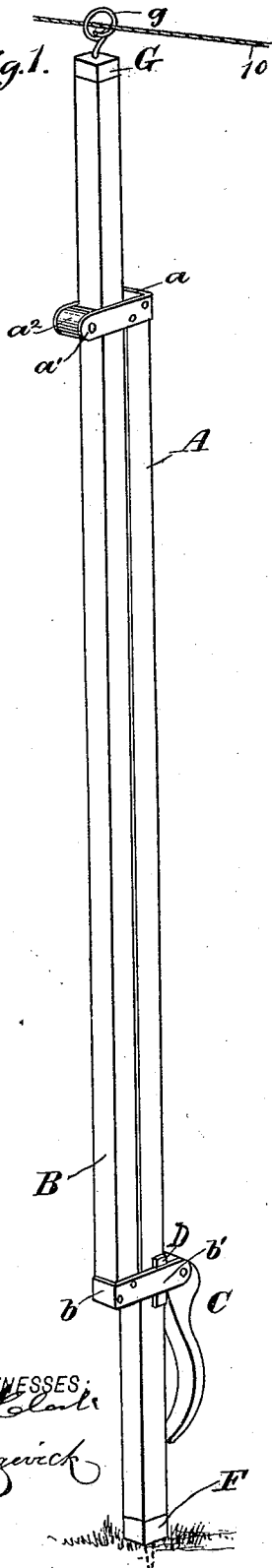


Fig. 2.

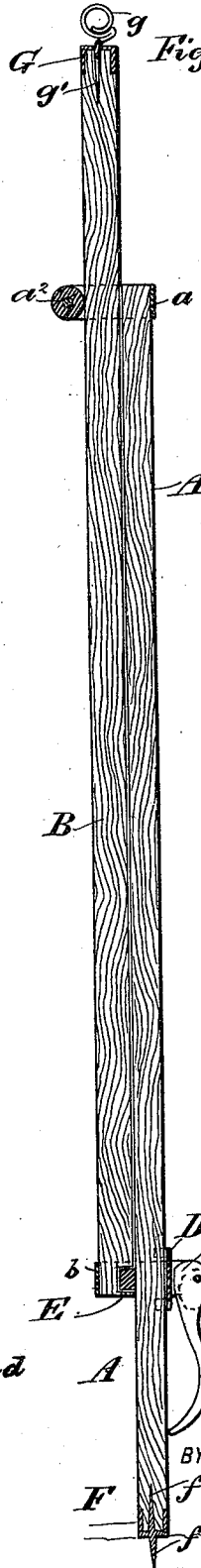
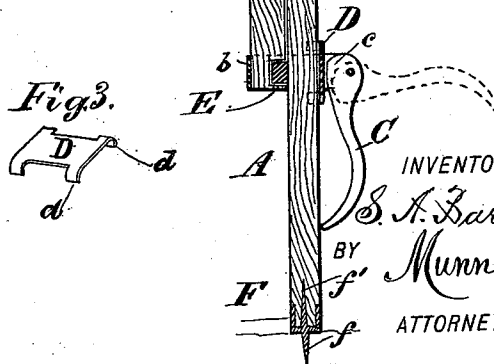


Fig. 3.



WITNESSES:
[Signature]
C. Sedgwick

INVENTOR:

S. A. Bartlett
BY *[Signature]* Munn & Co
ATTORNEYS

UNITED STATES PATENT OFFICE.

STEPHEN A. BARTLETT, OF SOUTH AMBOY, NEW JERSEY.

ADJUSTABLE POLE.

SPECIFICATION forming part of Letters Patent No. 463,471, dated November 17, 1891.

Application filed March 10, 1891. Serial No. 384,398. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN A. BARTLETT, of South Amboy, in the county of Middlesex and State of New Jersey, have invented a new and Improved Adjustable Pole, of which the following is a full, clear, and exact description.

The invention relates to poles for use as clothes-poles, measuring-rods, and the like, the members of which have a sliding connection that it may be elongated or shortened as desired.

The object of the invention is to improve the construction of poles of this character whereby they may be cheaply produced, readily adjusted, and firmly secured in the given position.

The invention consists in the novel construction and combination of parts, as hereinafter particularly described, and defined in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of an adjustable pole embodying my invention. Fig. 2 is a longitudinal sectional elevation thereof, and Fig. 3 is a view of the wear-plate detached.

In constructing a pole embodying my invention I take two members A B of proper length and to one member A, I secure a guide *a*, which embraces the opposite member B. The guide *a* is of U shape, secured at its bend to the back of the member A and its arms *a'* extend at the sides of the member B and carry at their outer ends an anti-friction roller *a''*, which rides on the back of the member B, the connection being such as to permit the members to slide relatively to each other but not with too great freedom.

At the lower end of the member B a guide *b* is secured, the same, like the guide *a*, being of U shape, its arms *b'* ranging at the sides of the member A. In the outer ends of the arms *b'* a cam-lever C is fulcrumed, and when the said lever is properly thrown its cam-head *c* will bear in a direction toward the back of the member A of the pole, forcing the same against the member B, and thus clamping the two members in the position to which they

may have been adjusted. Between the cam-head *c* and the back of the member A a wear-plate D is fitted loosely, so as to follow the cam. At the four corners of such wear-plate ears *d* are produced, which are bent at about a right angle to the plate and extend over the side of the member A at each side of the arms *b'* of the guide *b*, whereby the plate is effectually prevented from displacement.

In the member B in a recess formed in the inner face of such member a block E, of rubber, is fitted, the same being arranged to project slightly beyond the face of the member B and in the direction of the inner face of the companion member. The block thus provided enables the cam-lever to better clamp the members together.

The invention, it is evident, may be employed as a measuring rod or pole; but in the present instance its ends are finished to adapt it for use as a clothes-pole. Thus the lower end of the pole is provided with a cap F, from which projects at the inside a tang *f'* and from the outer face a spur *f*. The spur and tang are formed integrally and placed in the mold in the process of casting the cap F. The tang holds the cap more firmly in place, while the spur will enter the ground or flooring when the pole is supporting the clothes-line. At the upper end of the pole a similar cap G is provided, having a tang *g'* projecting from its inner face, and from the outer face projects the shank of a loop *g*, said loop being in the form of a spiral eye into which the clothes-line is passed.

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

1. The combination, with a pole formed of sliding members, of a guide carried by each of said members and embracing the opposite member, an anti-friction roller mounted in one of said guides, a cam-lever mounted in the other guide and adapted to clamp the members together, a movable wear-plate against which said cam bears, and a rubber block fitted to the inner face of one member to contact with the opposite member under the pressure of the cam-lever, substantially as described.

2. The combination, in an adjustable pole,

of sliding members, a guide carried by each
of said members and embracing the opposite
member, an anti-friction roller mounted in
one of said guides, a cam-lever mounted in the
5 other guide and adapted to clamp the mem-
bers together, a movable wear-plate against
which the said cam bears, the wear-plate be-
ing formed with ears that prevent its dis-
placement, a rubber block fitted to the inner

face of one member to contact with the oppo- 10
site member, a spiral eye at one end of the
pole, and a spur at the opposite end, substan-
tially as described.

STEPHEN A. BARTLETT.

Witnesses:

THOMAS LOVELY,
JAMES CARLERY.