

No. 627,780.

Patented June 27, 1899.

P. MEYER.
FOLDING UMBRELLA STICK.

(Application filed Nov. 7, 1898.)

(No Model.)
Fig. 1.

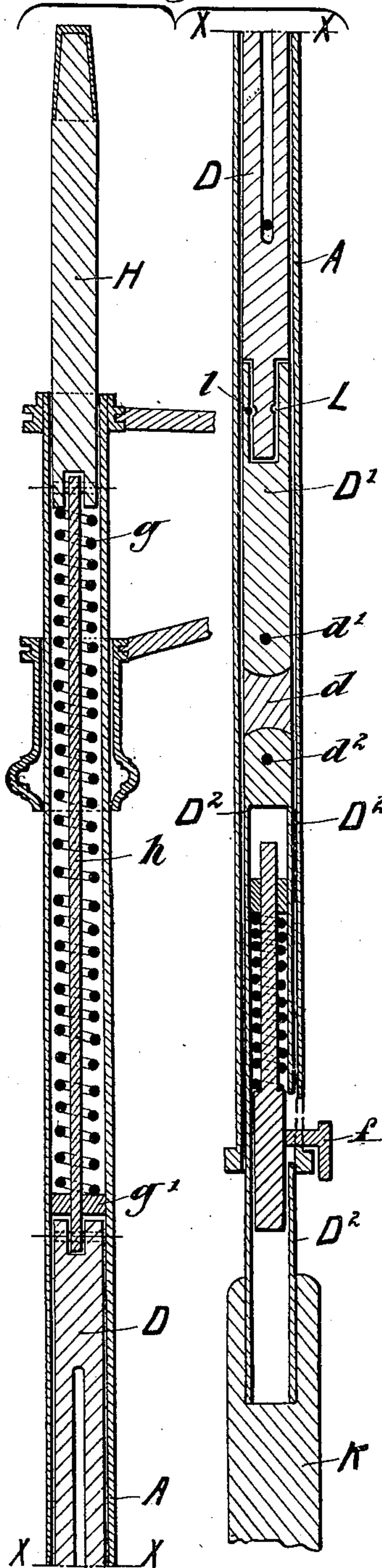


Fig. 2.

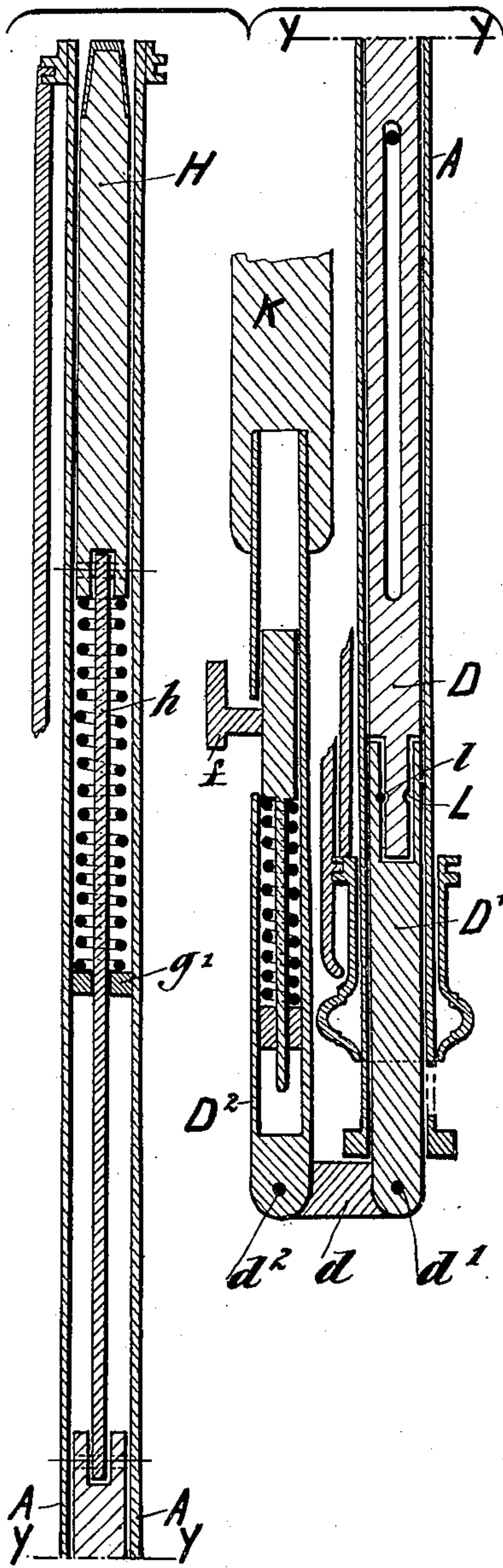
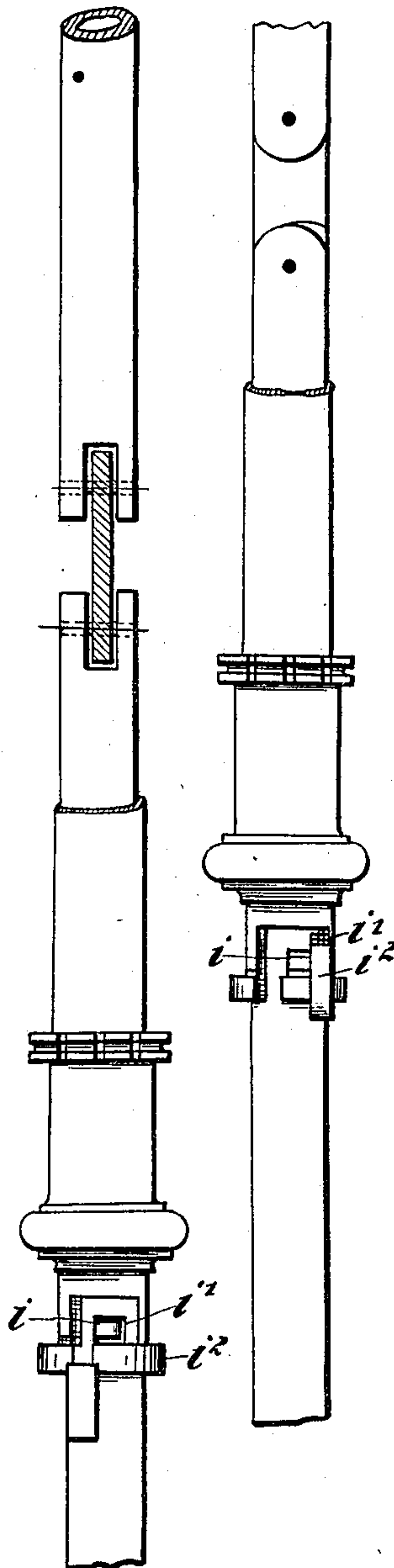


Fig. 3. Fig. 4.



Witnesses:

J. S. Noble,
J. Buchler.

Inventor,
Philipp Meyer
by B. Singer.
Att'y.

UNITED STATES PATENT OFFICE.

PHILIPP MEYER, OF MAGDEBURG, GERMANY.

FOLDING UMBRELLA-STICK.

SPECIFICATION forming part of Letters Patent No. 627,780, dated June 27, 1899.

Application filed November 7, 1898. Serial No. 695,687. (No model.)

To all whom it may concern:

Be it known that I, PHILIPP MEYER, a subject of the Emperor of Germany, residing at Magdeburg, Germany, have invented certain new and useful Improvements in Umbrella-Sticks, of which the following is a specification.

The object of my invention is to provide means allowing an umbrella to be shortened, which has been possible heretofore only with umbrellas the sticks of which carry stop-springs on their surfaces.

In the drawings illustrating my invention and which form a part of this application, Figure 1 represents a longitudinal sectional view of an umbrella-stick made in accordance with my invention, showing the stick extended. Fig. 2 is a similar view showing the stick retracted and folded. Figs. 3 and 4 are details of a portion of the stick.

In the hollow stick A of the umbrella I have inserted a sliding hinged rod adapted to be rotated and formed in three sections D D' D². The part D has an extension at its lower end provided with an annular groove L and extending into a corresponding recess in the part D', through which extends a pin l, moving in said groove L as the parts D D' are turned, whereby the said parts are movably connected with each other. The part D' is connected with the part D² through the joint d and by the rivets d' and d², and the handle K is secured to the section D² in any suitable manner. Within the hollow part of the section D² above the handle is arranged a latch f, by means of which the entire hinged rod is held or locked in the double bayonet-joint i, i', and i² on the lower end of the stick A. By this means of locking the rod I may dispense with the stop-spring usually arranged on the surface of said stick and may employ any form of frame or mounting with the latter.

At the lower or ferrule end of the part D of hinged rod is a rod h, which connects the part H, forming the ferrule end of the umbrella-stick, with the section D. Surrounding said connecting-rod h is fitted a spiral spring g, one end pressing against a stop g', secured within the stick A, and the opposite end bearing against the ferrule end H.

As the entire rod is withdrawn from the stick A the connecting-rod h, as well as the part H secured thereto, is caused to slide within the hollow stick A, whereby the length of umbrella will be shortened by the length of the ferrule end H and, when the said handle K will be folded at the joint d, at the same time by the length of handle K.

The latch f is normally held down by a spiral spring which surrounds it, as clearly shown in Figs. 1 and 2.

By the construction shown I secure a folding umbrella-stick on which there is no projection exteriorly except the latch f, and this being near the handle end does not interfere with any device that may be employed for raising the umbrella-frame.

What I claim as new, and desire to secure by Letters Patent, is--

An umbrella-stick composed of a cylindrical casing, a rod arranged within the casing and composed of a ferrule-section, a handle-section and an intermediate section, a hinged connection between the handle-section and the intermediate section, the spring g, and a bayonet-joint in the handle-section, substantially as set forth.

PHILIPP MEYER.

Witnesses:

AD STURM,
GREGORY PHELAN.