

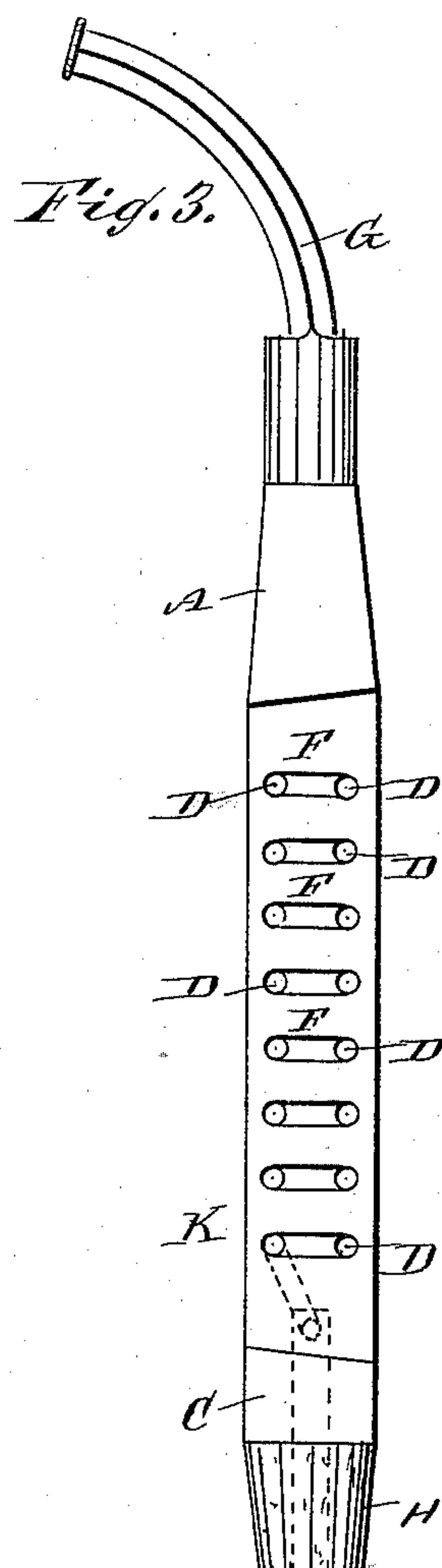
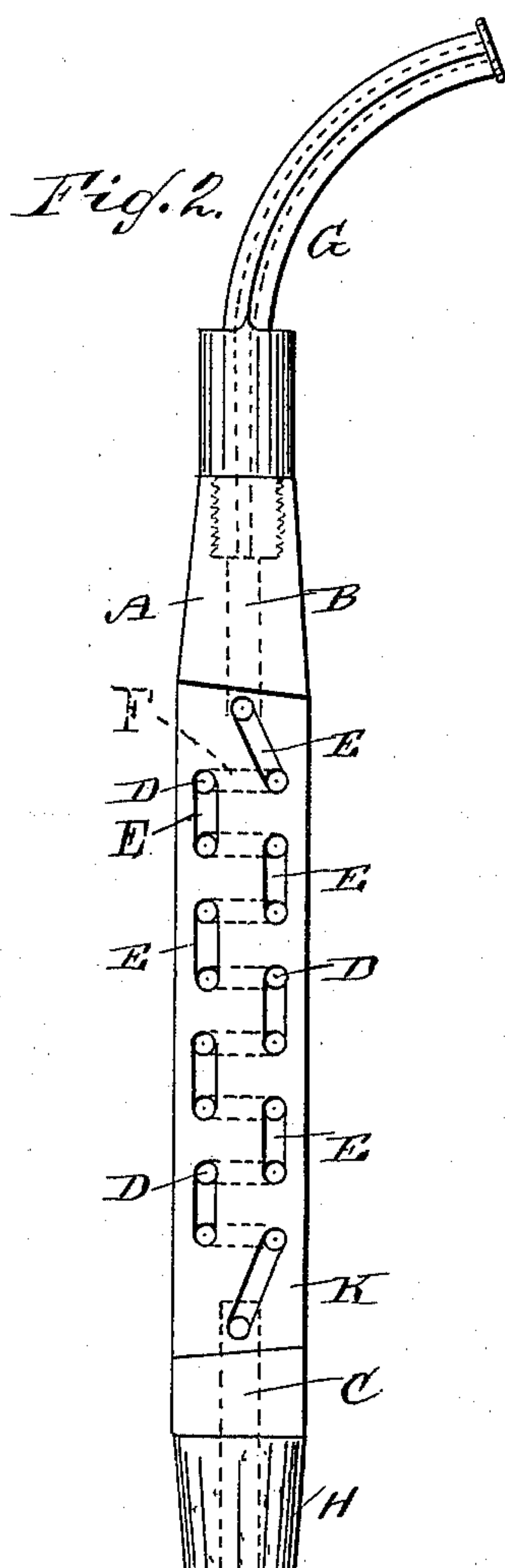
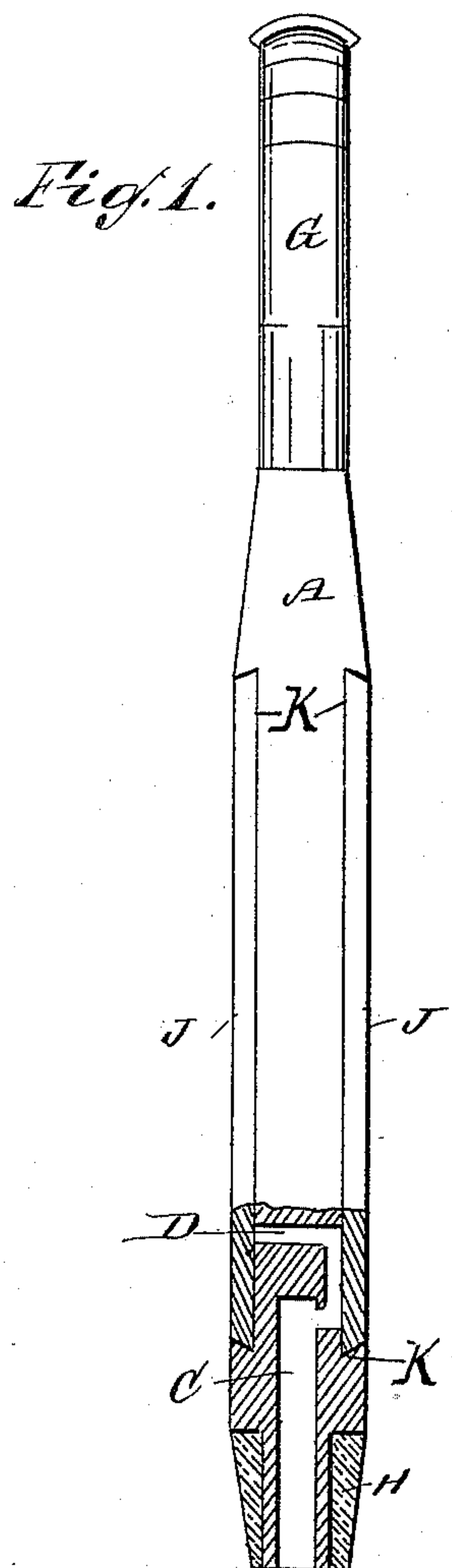
(No Model.)

W. B. KENNEDY.

TOBACCO PIPE STEM.

No. 335,705.

Patented Feb. 9, 1886.



WITNESSES:

Thos. G. Foster
W. Sedgwick

INVENTOR:

W. B. Kennedy
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM B. KENNEDY, OF SILVER REEF, UTAH TERRITORY.

TOBACCO-PIPE STEM.

SPECIFICATION forming part of Letters Patent No. 335,705, dated February 9, 1886.

Application filed April 7, 1885. Serial No. 161,493. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. KENNEDY, of Silver Reef, in the county of Washington, Territory of Utah, having invented a new and Improved Tobacco-Pipe Stem, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved tobacco-pipe stem, which is simple in construction, cools the smoke, and can be cleaned very easily.

The invention consists of the combinations of parts, including their construction, substantially as hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a front view of my improved tobacco-pipe stem, parts being broken out and others shown in section. Figs. 2 and 3 are opposite side views of the same, the side pieces or covering pieces being removed.

The stem A is provided with the central cylindrical channels, B and C, at the top and bottom, and with numerous ducts or channels, D, extending from side to side, and arranged in pairs alternately near the front and back of the stem. In one side the ends of the channels D are connected by longitudinal grooves E, and in the opposite side by grooves F, extending from front to rear. Thereby a worm is formed in the stem which connects the top and bottom channels, B and C. The tip or mouth-piece G is screwed on the upper end of the stem, and the tapered cork H on the lower end in the usual manner. The sides of the stem are covered by detachable side pieces or plates, J, fitting in recesses K in the sides of the stem, and having their ends beveled, the

ends of the pieces J being also beveled. The side pieces are slipped into the recesses K transversely, but may be arranged to slide lengthwise. The smoke in passing through the channels in the stem is cooled, and all the moisture, &c., is condensed. When the side pieces, J, are removed, the channels can easily be cleaned. The stem and side pieces are made of hard vulcanized rubber.

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

1. A pipe-stem provided with the transverse grooves at intervals through the body, with short longitudinal grooves on one side, and with transverse grooves on the other side, said side grooves communicating with the grooves through the body, and being closed at their sides by means substantially as set forth, substantially as and for the purpose described.

2. A pipe-stem provided with the transverse grooves at intervals through the body, with short longitudinal grooves on one side, and with transverse grooves on the other side, said side grooves communicating with the grooves through the body, said stem also having in its opposite sides plates covering the said side openings, substantially as and for the purpose set forth.

3. The combination, with a pipe-stem having the transverse grooves D, transverse and longitudinal grooves E F in the sides uniting the ends of the channels and the recesses K in the sides, of the side pieces, J, in the recesses K, substantially as herein shown and described.

WILLIAM B. KENNEDY.

Witnesses:

WATSON M. NESBIT,
JOHN DOYLE.