D. L. DIECKMANN & F. BURGAU.

Fountain-Pen.

No. 207,399. Patented Aug. 27, 1878.

Fig. I.

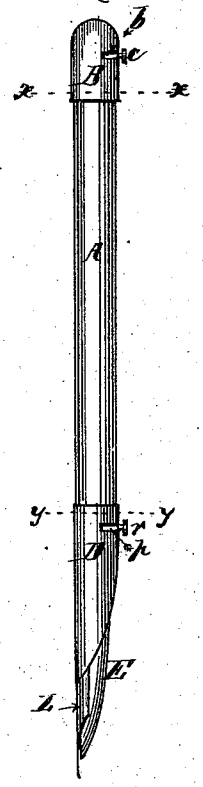



Fig. III.




Fig. IV.

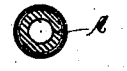
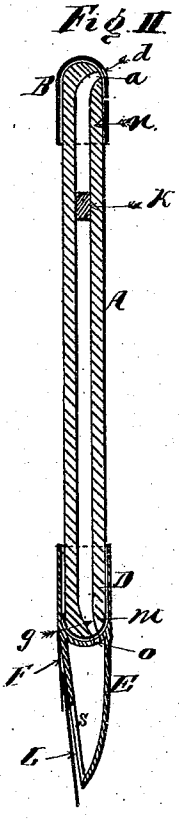



Fig. II.




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## IMPROVEMENT IN FOUNTAIN-PENS.

Specification forming part of Letters Patent No. **207,399**, dated August 27, 1878; application filed January 31, 1878.

*To all whom it may concern:*

Be it known that we, DIEDRICH L. DIECKMANN and FRIEDRICH BURGAU, both of the city, county, and State of New York, have invented new and useful Improvements in Fountain-Pens; and we hereby declare that the following is an exact and true description of our invention, which will enable others to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

The object of our invention is to simplify the construction and increase the usefulness and adaptability of fountain-pens.

Our invention consists in attaching to the lower end of the holder of a fountain-pen a simple device, by aid of which the ink is regulated in flowing down to the pen; also, in attaching to the upper end of the holder of a fountain-pen a movable cap, which serves to hold the ink that may escape through and around the float.

In order to more fully describe our invention, we refer to the drawings.

Figure 1 is a side view of our improved fountain-pen. Fig. 2 is a sectional view. Fig. 3 is a plan sectional view taken on line *x x*, Fig. 1. Fig. 4 is a plan sectional view taken on line *y y*, Fig. 1.

A is a hollow tube, conical in shape, and the top *n* is provided with a hole, *a*. The lower end, *m*, of this tube is also made conical in shape, and provided with a hole, *g*. The end *m* is covered with a cap, D, to the lower end of which is fastened a tube, F, conical in shape and provided with a hole or opening, *s*, which corresponds with the hole *o* in the cap D. The cap D is provided with a slot, *p*, into which is inserted a set-screw, *r*, on which the cap is allowed to turn as far as the slot will allow.

Around the cap D and the conical tube E is placed the sleeve F, which is placed at its lower end a little distant from the said tube, so as to permit a pen to enter and be held between the same.

The end *n* of the hollow tube-handle is covered with a movable cap, B, with hole *d*. This cap is provided with a slot, *b*, into which is placed a set-screw, *c*, by aid of which said cap is held to the end *n*, and also allowed to turn as far as the slot will permit.

Into the hollow tube-handle is placed a float, K, which is made to fit tightly the bo[illegible] of the tube A.

To use our improved fountain-pen, first adjust the cap D so that the hole *o* in the same is placed opposite the hole *g;* then adjust the cap B so that the hole *d* is placed opposite the hole *a*. The end *m* is placed into a vessel filled with ink, and the end *n* into the mouth. By sucking, the ink will pass through the hole *g* into the hollow tube A, and will continue to flow into the same until the float K presses against the hole *a;* then turn the lower cap, D, thus preventing the ink from escaping the tube. Turn the cap B, which prevents any escape of the ink at the upper end when the holder is laid down or carried.

To write with the pen, turn the cap D, which allows the ink from the tube to flow onto the pen.

Having thus described our invention, we desire to claim—

1. The cap D, with hole *o*, slot *p*, conical tube E, with hole *s*, and sleeve F, in combination with the end *m* of tube A, with hole *g*, set-screw *r*, and float K, substantially as and for the purpose set forth.

2. The cap B, with hole *d* and slot *b*, in combination with the end *n* of hollow tube A, with hole *a*, the set-screw *c*, and float K, substantially as and for the purpose set forth.

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