

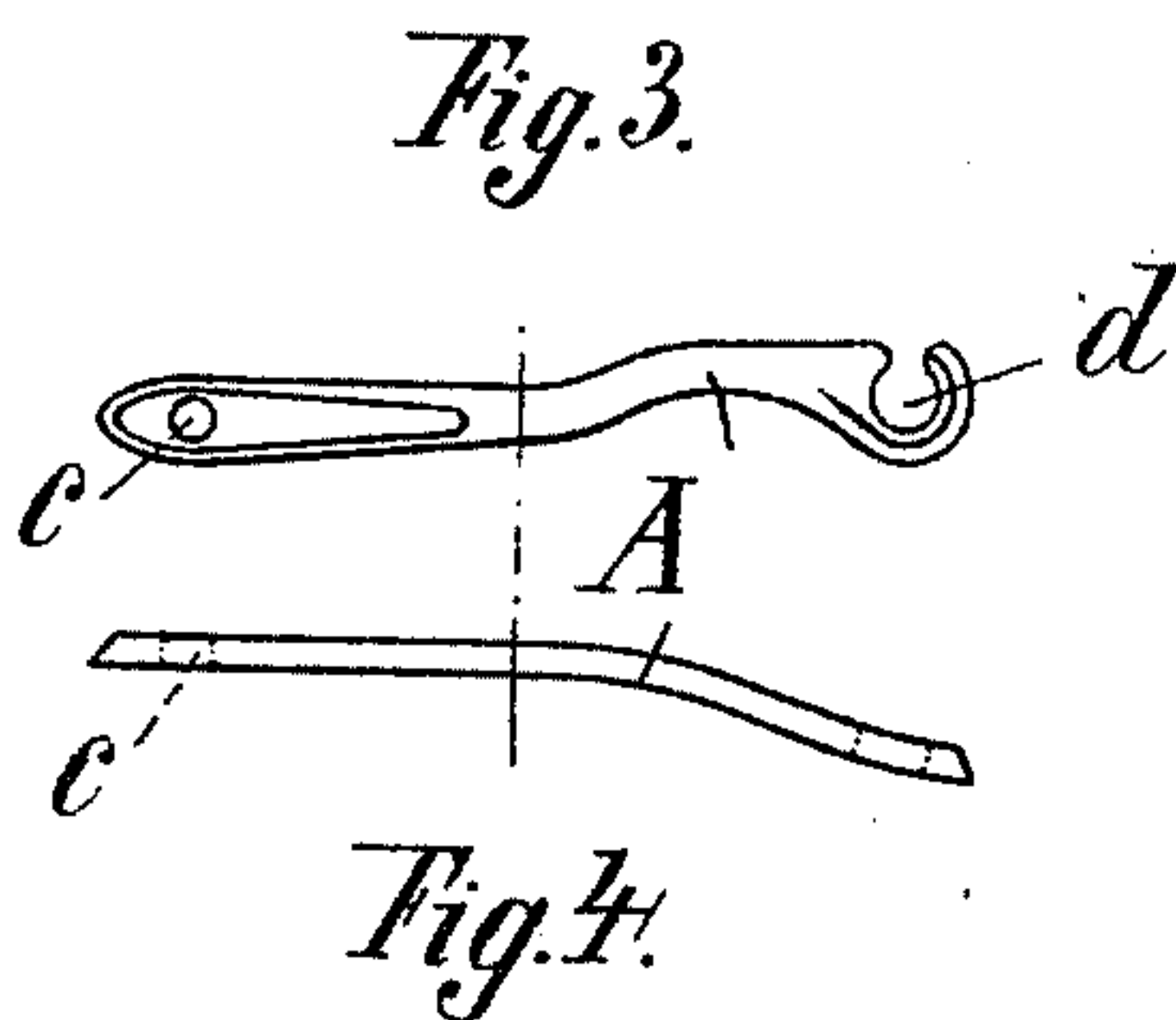
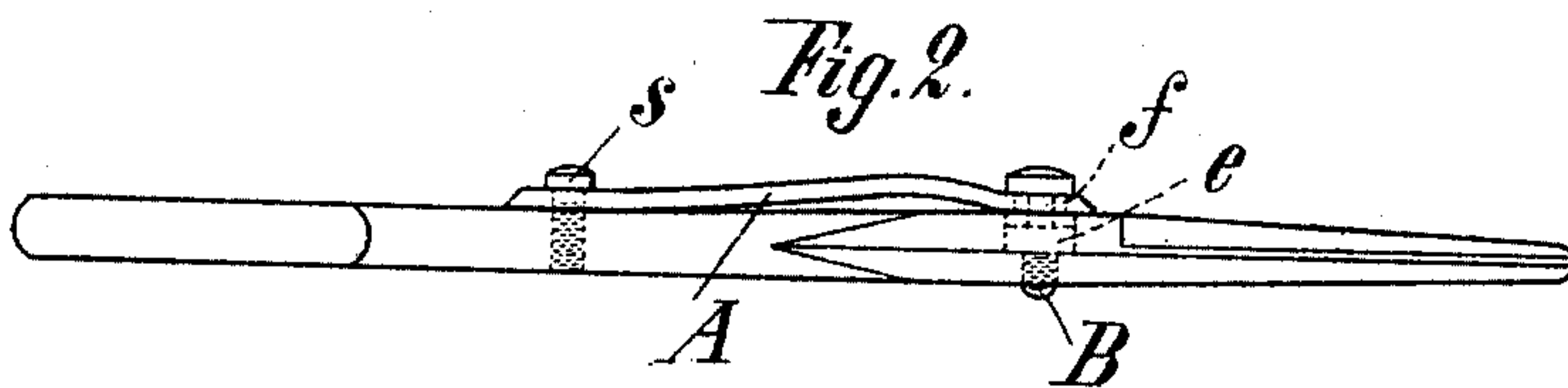
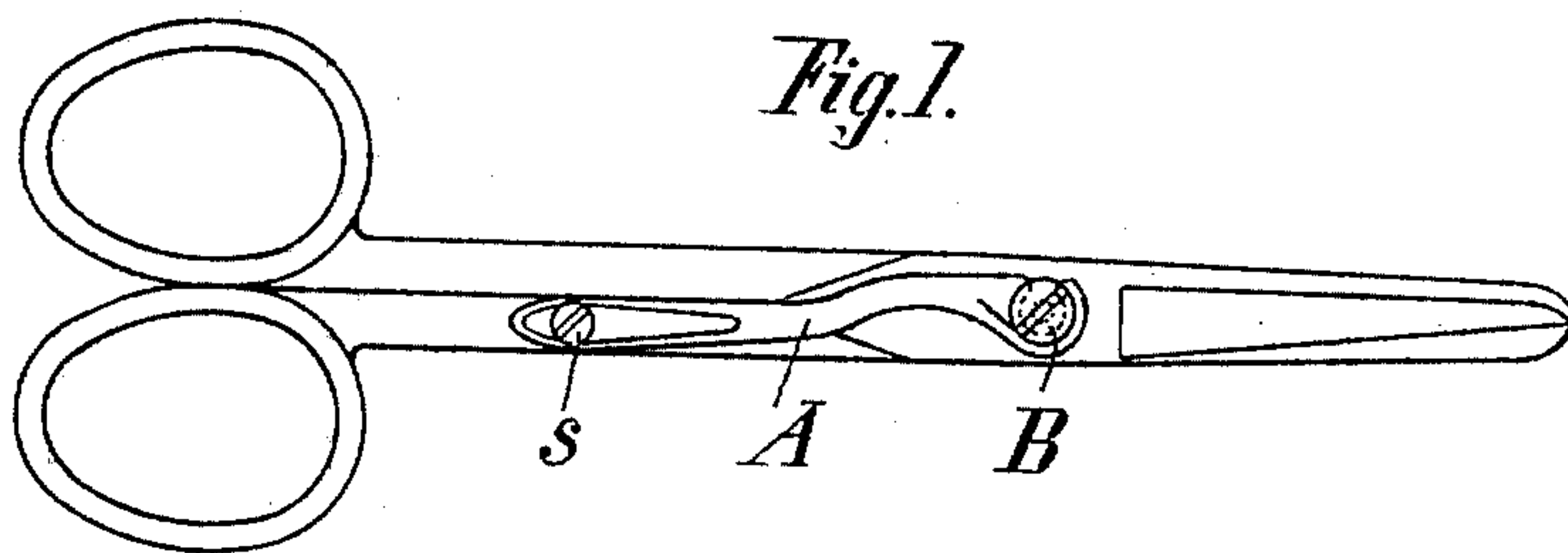
No. 619,373.

Patented Feb. 14, 1899.

J. M. F. WEIDEMEYER.
SCISSORS, SHEARS, &c.

(Application filed Dec. 29, 1897.)

(No Model.)



Witnesses:

E. R. Bolton

Edmund

Inventor:

Johann Martin Friedrich Weidemeyer

By

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his Attorneys.

UNITED STATES PATENT OFFICE.

JOHANN MARTIN FRIEDRICH WEIDEMEYER, OF KIEL, GERMANY.

SCISSORS, SHEARS, &c.

SPECIFICATION forming part of Letters Patent No. 619,373, dated February 14, 1899.

Application filed December 29, 1897. Serial No. 684,265. (No model.)

To all whom it may concern:

Be it known that I, JOHANN MARTIN FRIEDRICH WEIDEMEYER, a subject of the King of Prussia, German Emperor, residing at Kiel, in the Province of Schleswig-Holstein, in the Kingdom of Prussia and German Empire, have invented certain new and useful Improvements in Scissors, Shears, and Like Instruments, of which the following is a specification.

My present invention relates to an improved device for keeping the blades of scissors, shears, forceps, and similar instruments in working contact. I attain this object by the means illustrated in the accompanying drawings, in which—

Figure 1 is a top view of scissors provided with my invention; Fig. 2, a lateral view of Fig. 1, and Figs. 3, 4, and 5 are detailed views.

Similar letters refer to similar parts throughout the several views.

The device consists of a spring A, preferably more or less flat and long enough to reach from the pivot B of the blades to any convenient point on one of the shanks. This spring has a hole c at one end to enable it to be secured by a screw s loosely to the shank and at the other end a hook d, which just reaches around the pivot (generally a screw) B of the blades. The spring is slightly bent upward at the part just in front of the pivot in order to cause its forward or hooked end to exert a downward pressure upon the top of the blade when it is hooked around the pivot.

The screw or pivot B of the blades is screwed into one of the blades. It possesses a shoulder e, upon which the other blade is rotatably mounted, and terminates in a neck f and head, around which the hook-like end of

the flat spring fits, as above stated, and bent in such a manner that the hooked end of it, which rests against the set-screw, presses one blade upon the other. The spring thus presses only at one place, which is the one where the cut of the scissors begins. Thereby a sharp clear cut and at the same time smooth working of the scissors is attained.

The improved fastening device can easily be detached by releasing its hooked end from the set-screw or pivot. Thereupon the two blades can easily be separated and the spring fixed into position again.

Owing to the possibility of taking into parts instruments of the said kind when provided with my invention, such instruments are particularly applicable for surgical use, as the single parts may be thoroughly aseptically treated.

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

In combination, the two blades pivoted together, the pivot for the shear-blades, and a spring-tension device consisting of the piece A pivoted to one of the blades and having a hooked end, the said hook being open laterally and engaging under the head of the pivot-pin, said spring device remaining permanently attached to one blade when said blades are detached, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 15th day of December, 1897.

JOHANN MARTIN FRIEDRICH WEIDEMEYER.

Witnesses:

ALEXANDER SPECHT,
E. HH. MUMMENHOFF.