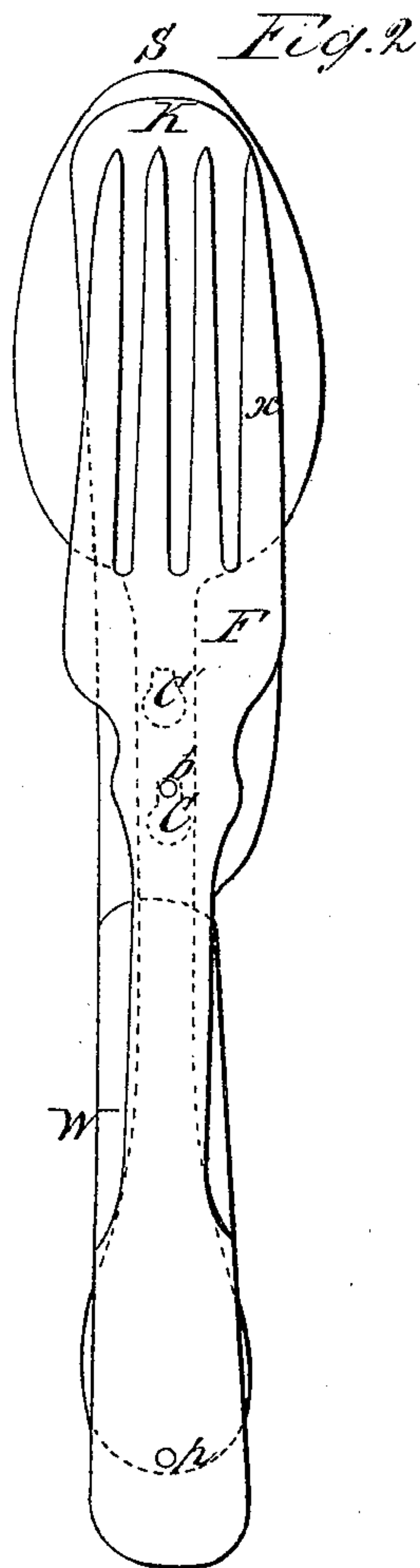
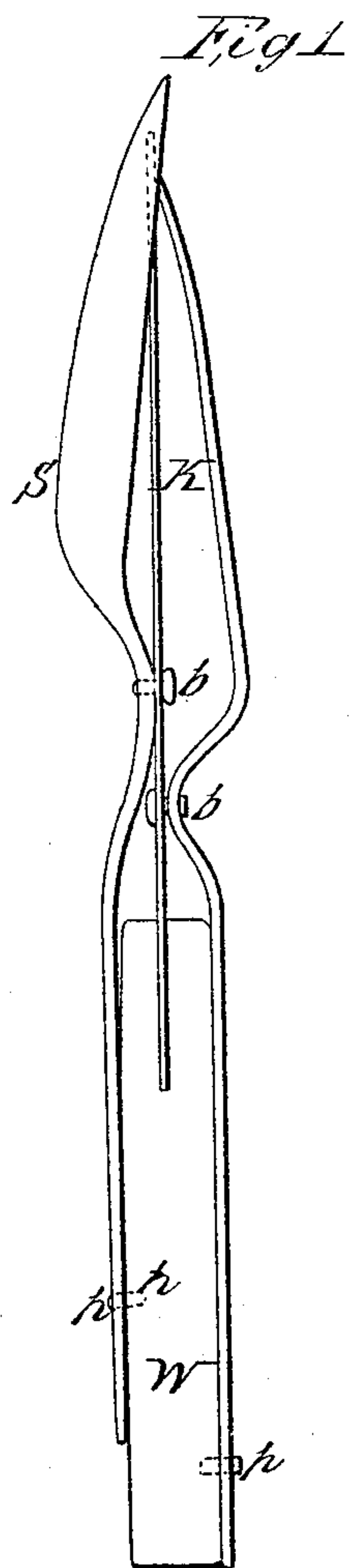


N. Ames,
Knife, Fork and Spoon.
N^o 33,730. Patented Nov. 19, 1861.



Witnesses

L. A. Ames
A. B. Davis

Inventor
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UNITED STATES PATENT OFFICE.

NATHAN AMES, OF SAUGUS CENTRE, MASSACHUSETTS, ASSIGNOR TO PARKER & PERKINS, OF MERIDEN, CONNECTICUT.

IMPROVED MEANS FOR ATTACHING FORKS AND SPOONS TO KNIVES.

Specification forming part of Letters Patent No. 33,730, dated November 19, 1861.

To all whom it may concern:

Be it known that I, NATHAN AMES, of Saugus Centre, in the county of Essex and Commonwealth of Massachusetts, have invented a new and useful Method of Attaching Forks and Spoons to Knives; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an edge view of a knife with a fork and spoon attached, and Fig. 2 is a side view of the same.

Like parts are indicated by the same letters in both figures.

The nature of my invention consists, first, in confining to the blade K and handle W of any knife a detachable fork or spoon, or both, by the elasticity of the fork or spoon and knife-blade, operating in combination with a button *b*, (which passes through a slot *c* in the blade,) and a pin P, which enters a hole *h* in the handle, as represented in Fig. 1, and, second, in so applying and attaching the fork to the knife that one of the outer tines *x* shall be flush or a little more than flush with the knife-edge to prevent the latter from cutting when handled or carried in a pocket without a sheath.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

W is the knife-handle, of wood or other suitable material and of the usual shape and construction.

K is the knife-blade, confined in the handle by any of the methods in common use.

F is a fork of sheet-steel or other suitable metal, the general shape of which is plainly shown in the drawings. The general shape of the fork, as well as the number of tines employed, may, however, be varied.

b is a button or headed stud projecting from the fork F, as shown in Fig. 1.

C (represented by the dotted line in Fig. 2) is a slot through the knife-blade, and C' is another similar slot.

P is a pin projecting about one-eighth of

an inch from the handle part of the fork, as shown in Fig. 1.

h (represented by the dotted line in Fig. 1) is a hole in the knife-handle for the reception of the pin P of the detachable fork F, by means of which the latter is prevented from slipping in any direction in a plane parallel with the side of the knife-blade. Thus in order to confine the fork to the knife it is only necessary to pass the stud *b* through the larger part of the slot C and push it forward till it reaches the end of the narrow part, when the head of the stud extending each side of the slot buttons the knife and fork together. The handle of the fork is now sprung from the knife-handle and swung over the latter until the pin P is over the hole *h*, when the combined elasticity of the knife-blade and the fork forces the pin into the hole, as represented in Fig. 1. To detach the fork its handle is sprung from the knife-handle till the pin P is removed from the hole *h*, when the fork is moved along so that the head of the button *b* can slip out of the larger part of the slot C.

S is a spoon of the ordinary construction, with the exception of the handle being bent into a peculiar shape, as represented in Fig. 1, and provided with a button *b* and pin P, similar to those on the fork, said button entering a slot C', Fig. 2, and said pin entering a hole *h* in the handle, as represented in Fig. 1. Thus it is obvious that the spoon is attached to the knife by the combined elasticity of the two with the button *b*, slot C', pin P, and hole *h* in the same manner as the fork is attached to the knife. It is obvious, however, that either the fork alone or the spoon alone can be attached to the knife, if desirable, or whenever only two of the articles are required, and the three utensils thus combined form an article very compact, portable, simple, and cheap and very convenient for the use of soldiers, sailors, hunters, excursionists and others.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. Confining to the blade and handle of any knife a detachable fork or spoon, or both, by

the elasticity of the fork or spoon and knife-blade, operating in combination with a button *b*, slot *C*, pin *P*, and hole *h*, or their equivalents, substantially as and for the object specified.

2. So applying and attaching a fork to a knife that one of the outer tines shall be flush or a little more than flush with the

knife-edge to prevent the latter from cutting when handled or carried in a pocket, substantially as described.

NATHAN AMES.

Witnesses:

L. A. AMES,
A. B. DAVIS.