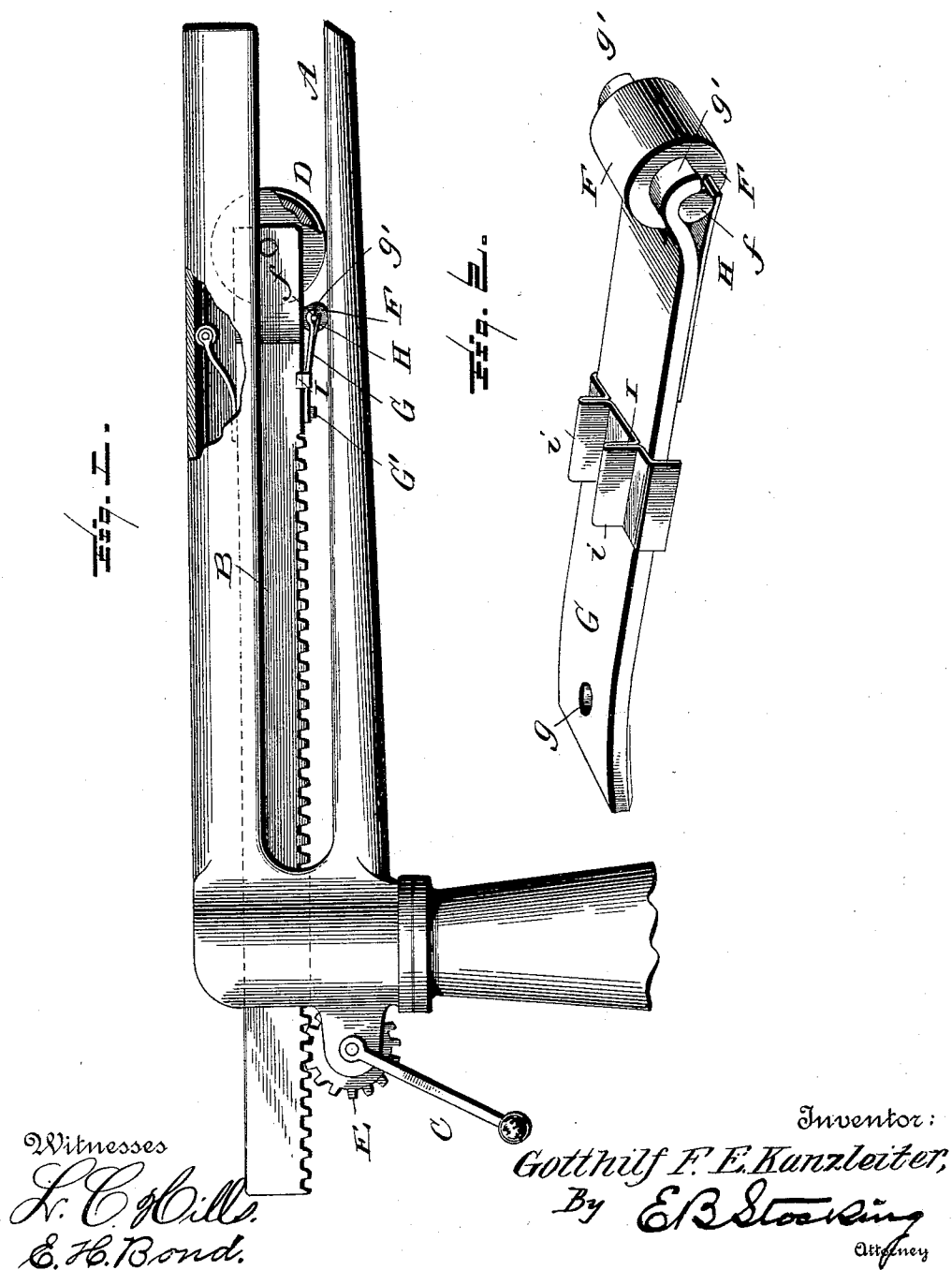


(No Model.)

G. F. E. KANZLEITER.
SEAMING MACHINE.

No. 481,033.

Patented Aug. 16, 1892.



UNITED STATES PATENT OFFICE.

GOTTHILF F. E. KANZLEITER, OF TERRE HAUTE, INDIANA.

SEAMING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 481,033, dated August 16, 1892.

Application filed April 7, 1892. Serial No. 428,194. (No model.)

To all whom it may concern:

Be it known that I, GOTTHILF F. E. KANZLEITER, a citizen of the United States, residing at Terre Haute, in the county of Vigo, State of Indiana, have invented certain new and useful Improvements in Seaming-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in seaming-machines, and more particularly to attachments therefor.

15 It has for its objects, among others, to provide a simple and cheap attachment which may be readily applied to any seaming-machine now in use, and which will smooth down the seam after it is formed at one and the same operation, avoiding the necessity of afterward hammering it down. I provide a 20 spring-arm carrying a supplemental roller, and this arm is held against lateral movement by simple means. This supplemental roller travels in the path of the seaming-roller and interferes in no wise with the successful operation of the other parts.

25 Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claim.

30 The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

35 Figure 1 is a side elevation of a portion of a seaming-machine, with a portion broken away, showing my improvement applied. Fig. 2 is an enlarged perspective view of the parts constituting my invention detached.

40 Like letters of reference indicate like parts in both views where they occur.

Referring now to the details of the drawings by letter, A designates a seaming-machine of known construction, B its rack-bar, 45 C the crank, D the seaming-roller, and E the gear which actuates the rack-bar. All of these parts may be of any well known or preferred form of construction and operate in the usual way.

50 My present invention consists in a supplemental roller F, which travels in close proximity to the seaming-roller and in the path thereof. This roller is journaled in a spring-arm G, which is held at one end in any suitable manner—as, for instance, by a screw or

bolt G' passed through a hole g in the arm and into the under face of the rack-bar. This end of the spring-arm is slightly bent or curved, as seen in Fig. 2, to throw the other end slightly downward, and the free end is 60 cut away to provide room for the roller F, as seen best in Fig. 2, the portions g' upon each side of the said space being turned up and over to form the upper parts of the bearings for the pintles f of the roller, as seen in both 65 views, the under part of the said bearings being formed by flat springs H, which are attached at one end to the under side of the spring-arm G, and the free ends receiving the pintles, as shown. This permits of slight 70 yielding of the roller, when necessary.

In order to prevent lateral movement of the spring-arm, and consequently its roller, I provide a means for engaging the sides of the rack-bar, and, as shown in Fig. 2, this 75 means consists of a sheet-metal strip I, having its ends bent to embrace the spring-arm and a portion extending across the upper face of the said spring-arm and formed into lugs or ribs i, extending lengthwise of the spring-arm 80 and adapted to snugly embrace the rack-bar, and thus permit of the necessary vertical play of the said arm and yet prevent any lateral movement thereof.

The advantages of such a construction and 85 arrangement of parts will be readily understood. The seam is rolled down at one and the same time with the seaming thereof. No after hammering is necessary. It can be quickly applied to any and all seaming-ma- 90 chines of this character now in use and is a great labor-saver.

What I claim as new is—

A seaming-machine attachment consisting of a spring-arm having one end cut away 95 with the side portions turned up and curved to form upper bearings for the pintles of a roller, a roller having pintles held in said bearings, springs secured to the under face of the spring-arm and receiving the pintles, 100 and a plate with ribs upon the upper face of the said arm to prevent lateral movement thereof, in combination with the co-operating parts, as set forth.

In testimony whereof I affix my signature in 105 presence of two witnesses.

GOTTHILF F. E. KANZLEITER.

Witnesses:

JAMES F. MURPHY,
GEORGE GRIMES.