

F. D. ELDERFIELD.

Sectional Adjustable Slotted Cam.

No. 141,548.

Patented August 5, 1873.

Fig. 1.

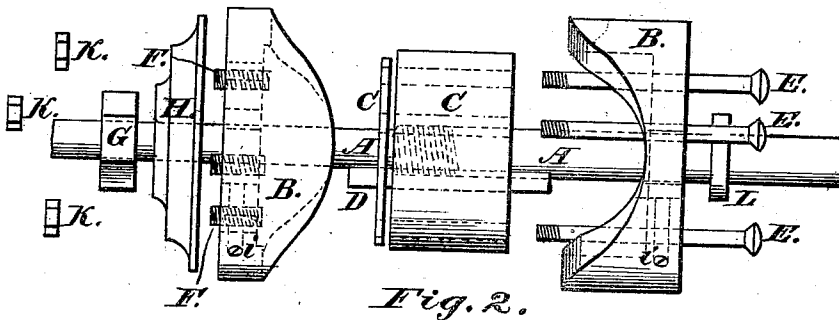
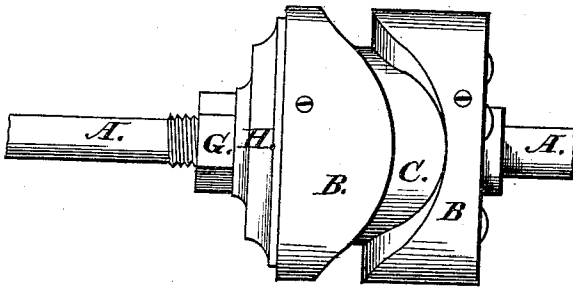
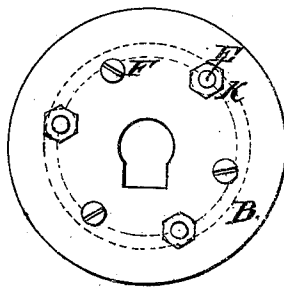


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

FREDERICK D. ELDERFIELD, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN SECTIONAL ADJUSTABLE SLOTTED CAMS.

Specification forming part of Letters Patent No. **141,548**, dated August 5, 1873; application filed May 13, 1873.

To all whom it may concern:

Be it known that I, FREDERICK D. ELDERFIELD, of the city of St. Louis, State of Missouri, have invented a Sectional Adjustable Slotted Cam, of which the following is a specification:

The object of my invention is to adjust a slotted cam to fit the trundle, (roller or stud,) instead of fitting the trundle to the cam, by the combination of two sections of a cam, secured together by screw bolts and nuts, the slot kept apart the desired distance by two or more check-disks, and further and more delicately adjusted by the check-screws and the bolt-nuts, secured and fastened to the shaft by the set-screws acting upon a loose key, to prevent marring the shaft, and further fastened and secured to the shaft by the cap, nut, and shoulder on the shaft.

Figure 1 shows the cam as put together for use. Fig. 2 shows the same in sections upon the shaft.

A A is the shaft; B B, sections of the cam; C C, check-disks; D, loose key; E E E, screw-bolts, to go through the cam; F F F, check-screws; G, shaft-nut; H, cap; *i i*, set-screws; K K K, nuts for the screw-bolts.

I claim—

1. The combination of two sections of a cam, B B, the screw-bolts E E E, and the bolt-nuts K K K, substantially as described.

2. The check-disks C C, as described.

3. The combination of the check-screws F F F with the bolt-nuts K K K, substantially as specified.

4. The combination of set-screws *i i*, acting upon the loose key D, as specified.

5. The combination of the cap H, the shoulder L, and the shaft-nut G, substantially as specified.

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Witnesses:

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