

(No Model.)

R. W. GRAVES.

STARCH TABLE.

No. 246,671.

Patented Sept. 6, 1881.

Fig. 1.

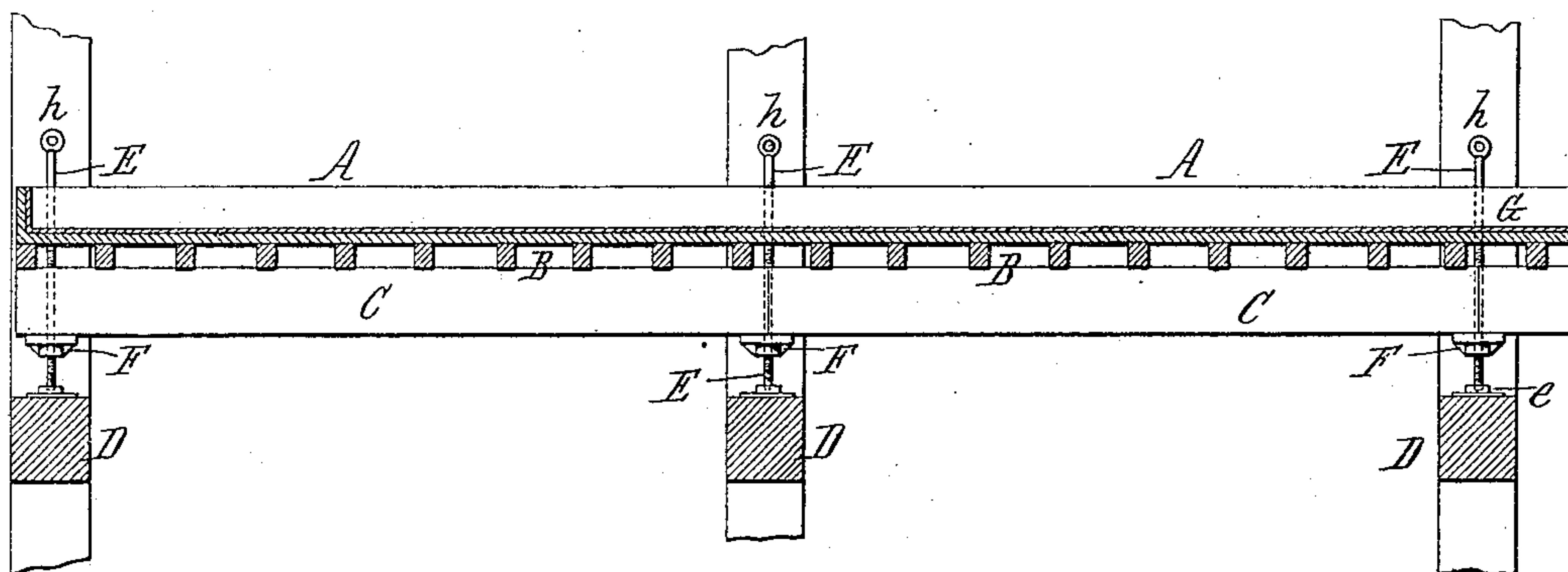


Fig. 2.

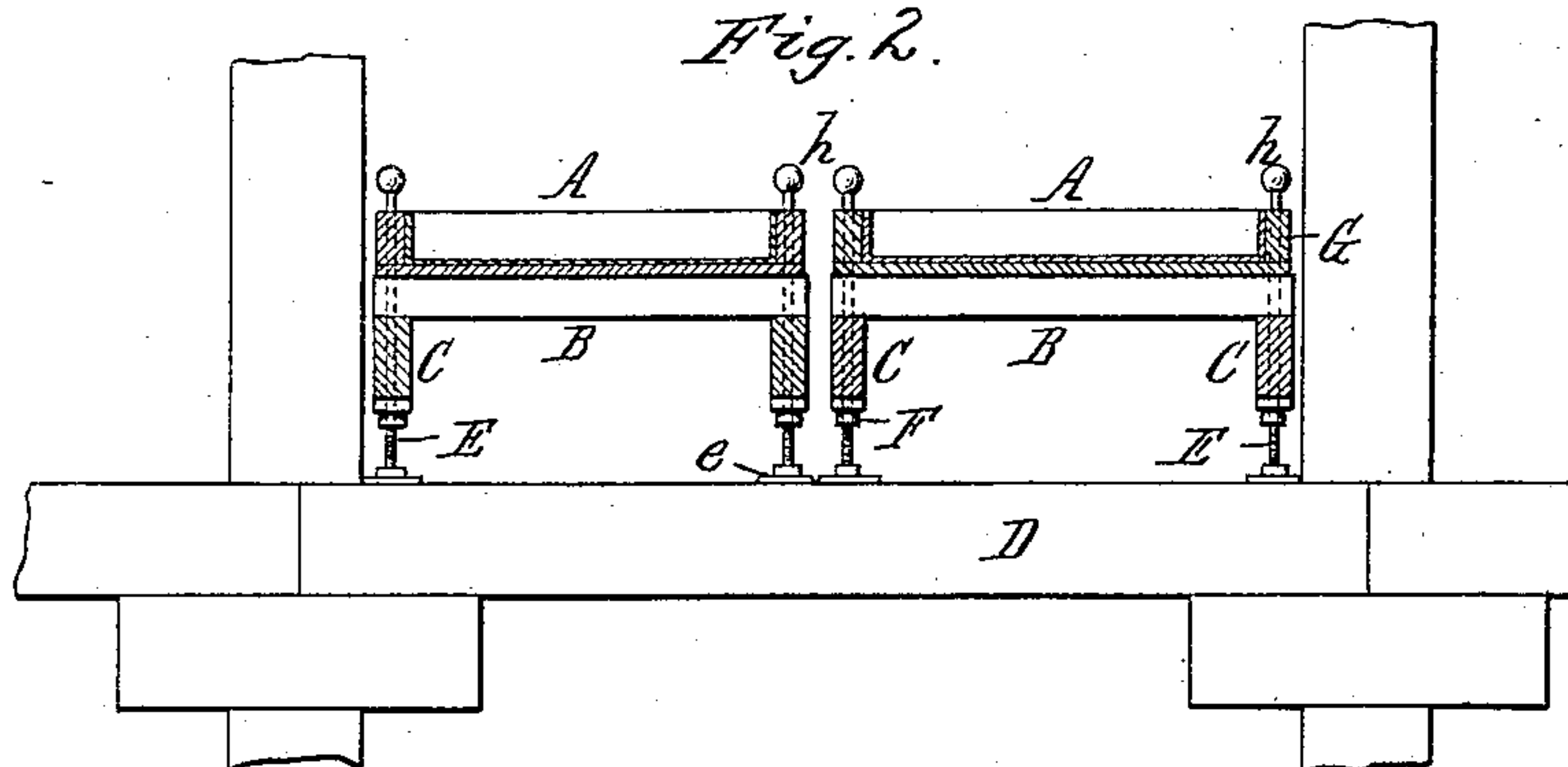


Fig. 3.

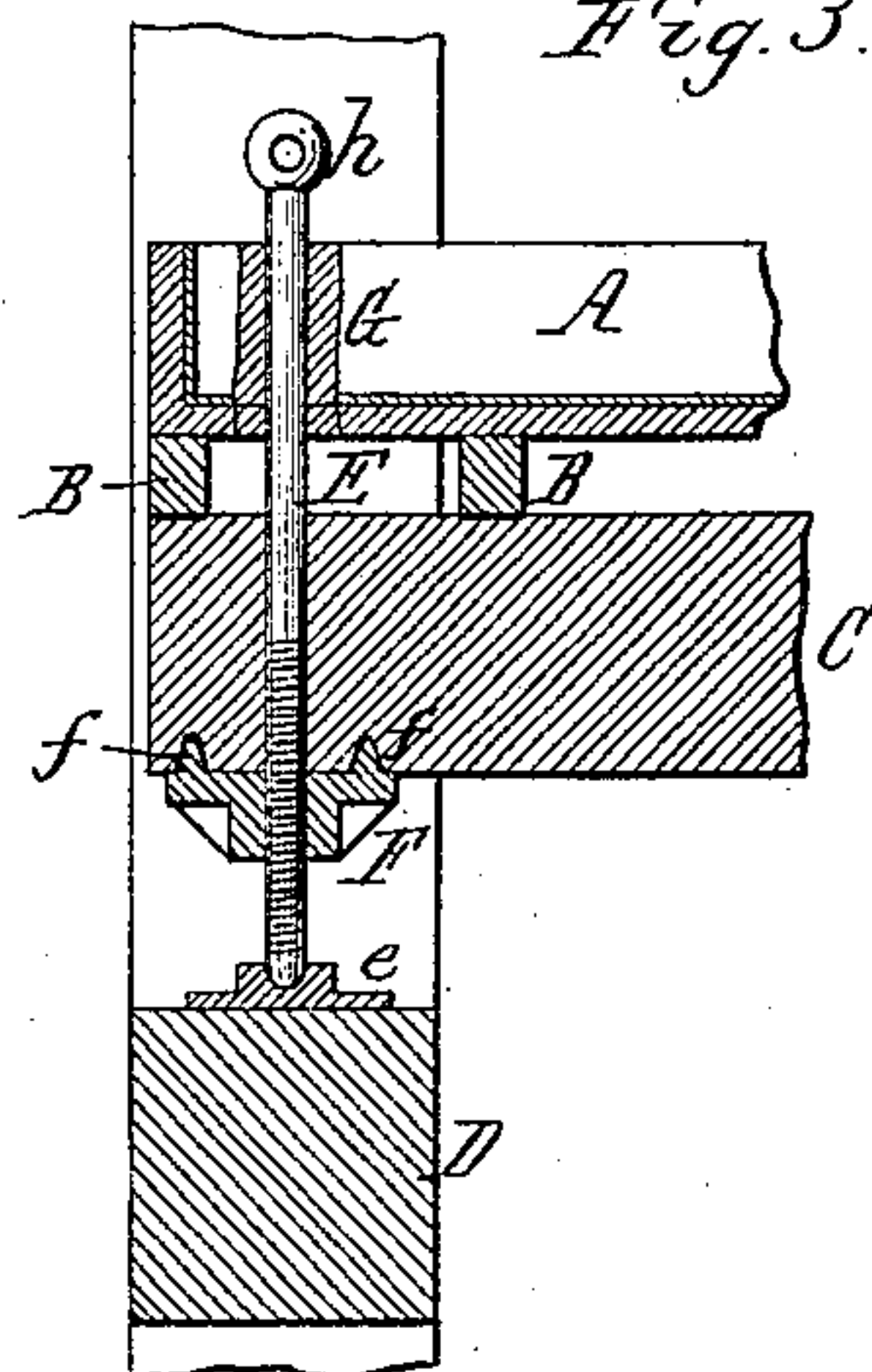
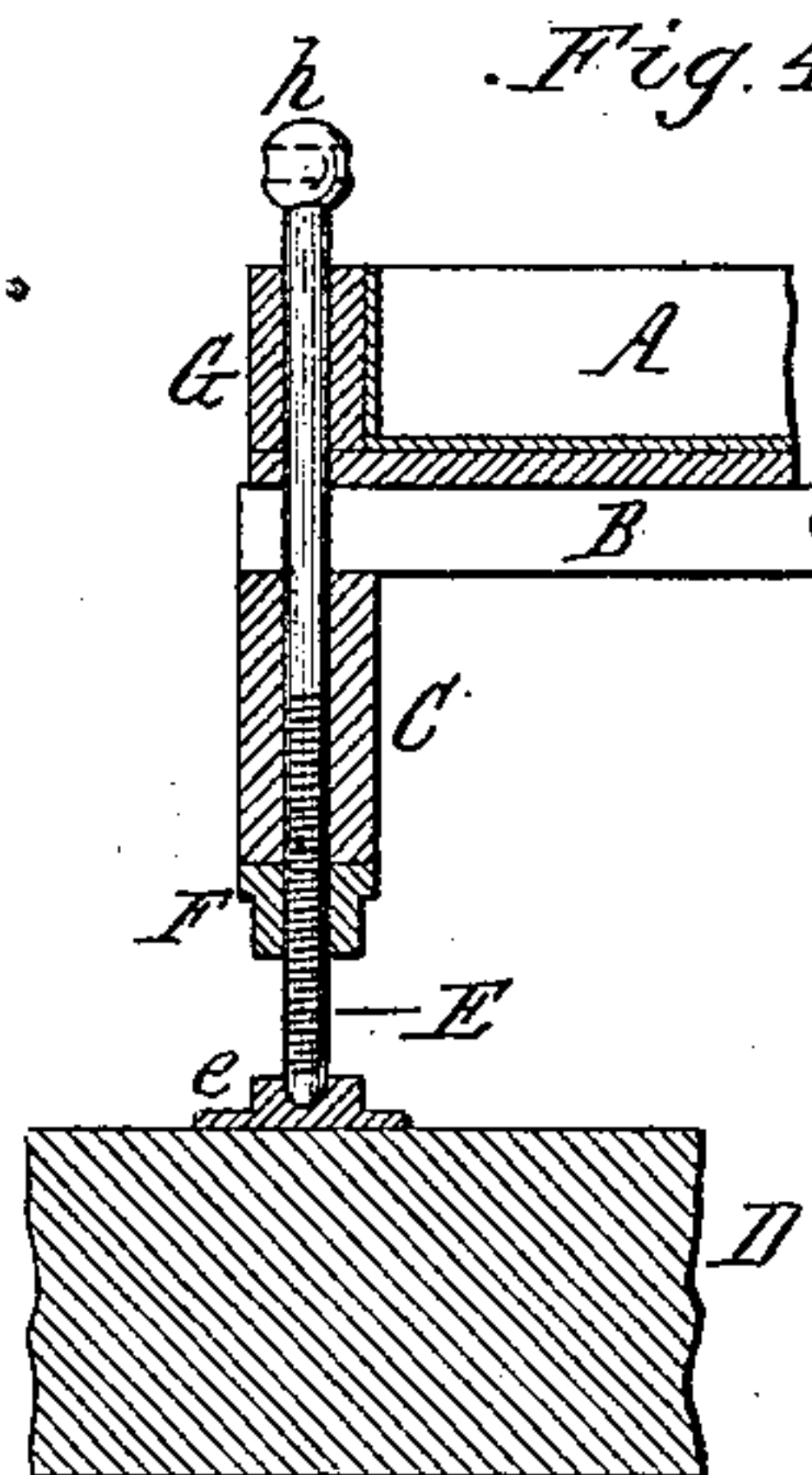


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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STARCH-TABLE.

SPECIFICATION forming part of Letters Patent No. 246,671, dated September 6, 1881.

Application filed August 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, ROGER W. GRAVES, of the city of Buffalo, in the county of Erie and State of New York, have invented new and
5 useful Improvements in Starch-Tables, of which the following is a specification.

This invention relates to an improved adjusting device, whereby the tables or depositing-troughs in starch-factories can be readily
10 adjusted so as to cause the liquid to flow evenly and with the proper velocity over the same. Heretofore starch-tables have been adjusted by means of screws and nuts arranged underneath the tables; but these adjusting devices
15 are reached with difficulty and require the services of two men—one below the tables to turn the adjusting-nuts and one above to level the tables.

The object of my invention is the construction of a simple adjusting contrivance which
20 can be readily operated by persons on the tables, thereby rendering the operation of adjusting the tables more convenient and the adjustment more accurate than heretofore.

My invention consists of the particular construction of the adjusting device, as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a longitudinal sectional elevation of a starch-table provided with my improvement. Fig. 2
30 is a cross-section of two starch-tables. Fig. 3 is a longitudinal section, and Fig. 4 a cross-section, both on an enlarged scale, of that portion of a starch-table provided with my adjusting device.

Like letters of reference refer to like parts in the several figures.

A represents the starch-tables or depositing-troughs, consisting of shallow troughs or gutters, constructed in any usual and well-known
40 manner.

B represents the cross-pieces upon which the starch-tables are supported, and C the longitudinal girders upon which the cross-pieces B
45 rest.

D represents the horizontal timbers of the building which support the starch-tables.

E represents adjustable vertical bolts, which support the tables A upon the timbers D.

These bolts rest with their lower ends upon
50 steps *e*, secured to the timbers D, and pass through screw-nuts F, secured to the lower sides of the girders C. The bolts E extend upward through the girders C and the side pieces, G, of the tables, and are provided above the
55 tables with heads *h*, which may be perforated or otherwise constructed, so that the bolts can be turned upon inserting a pin through these heads or applying a suitable wrench thereto. The screw-nuts F bear against the under sides
60 of the adjoining ends of two girders, C, and are held against turning by spurs or pins *f*, formed on their upper sides and entering recesses in the girders. Each table is supported by two bolts, E, upon each timber D. By turn-
65 ing each bolt E in one or the other direction that portion of the table resting upon the bolt is raised or lowered accordingly, whereby any deviation of the table from the correct position by the sagging, settling, or warping of the sup-
70 ports, or from any other cause, is readily compensated for and the proper inclination readily maintained in every part of each table independent of the other tables which may be ar-
75 ranged on the same supports or floor. The screw-bolts E are adjusted from above by the person who applies the level to the tables, thereby avoiding the necessity of getting under the tables for the purpose of reaching the adjust-
80 ing devices, and simplifying and expediting the operation of adjusting the tables and permitting of a more accurate adjustment of the same, as the person adjusting the tables can keep his eye on the level while adjusting the
85 bolts.

I claim as my invention—

The combination, with a starch-table or depositing-trough, A, of supporting-bolts E, resting upon the timbers or other fixed supports, D, underneath the tables, passing through screw-
90 nuts F, attached to the girders of the tables and extending upwardly within convenient reach of persons on the tables, substantially as set forth.

ROGER W. GRAVES.

Witnesses:

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