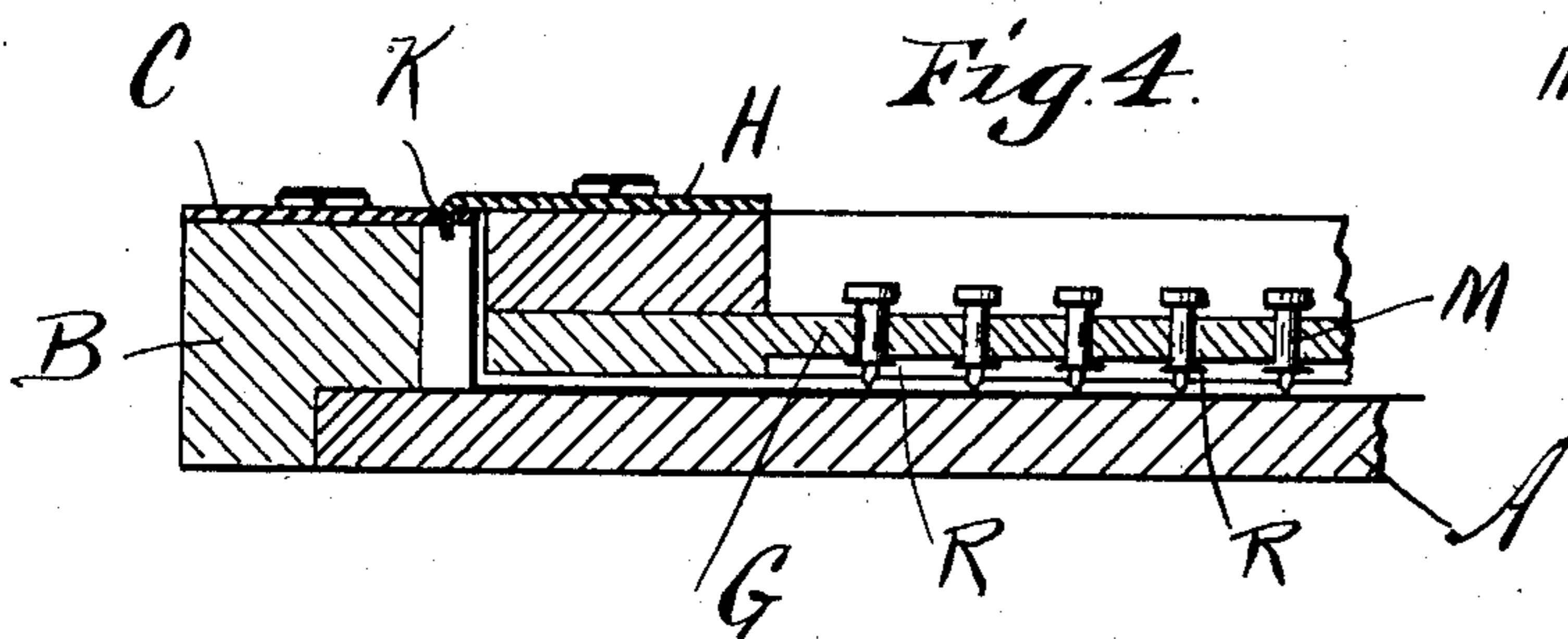
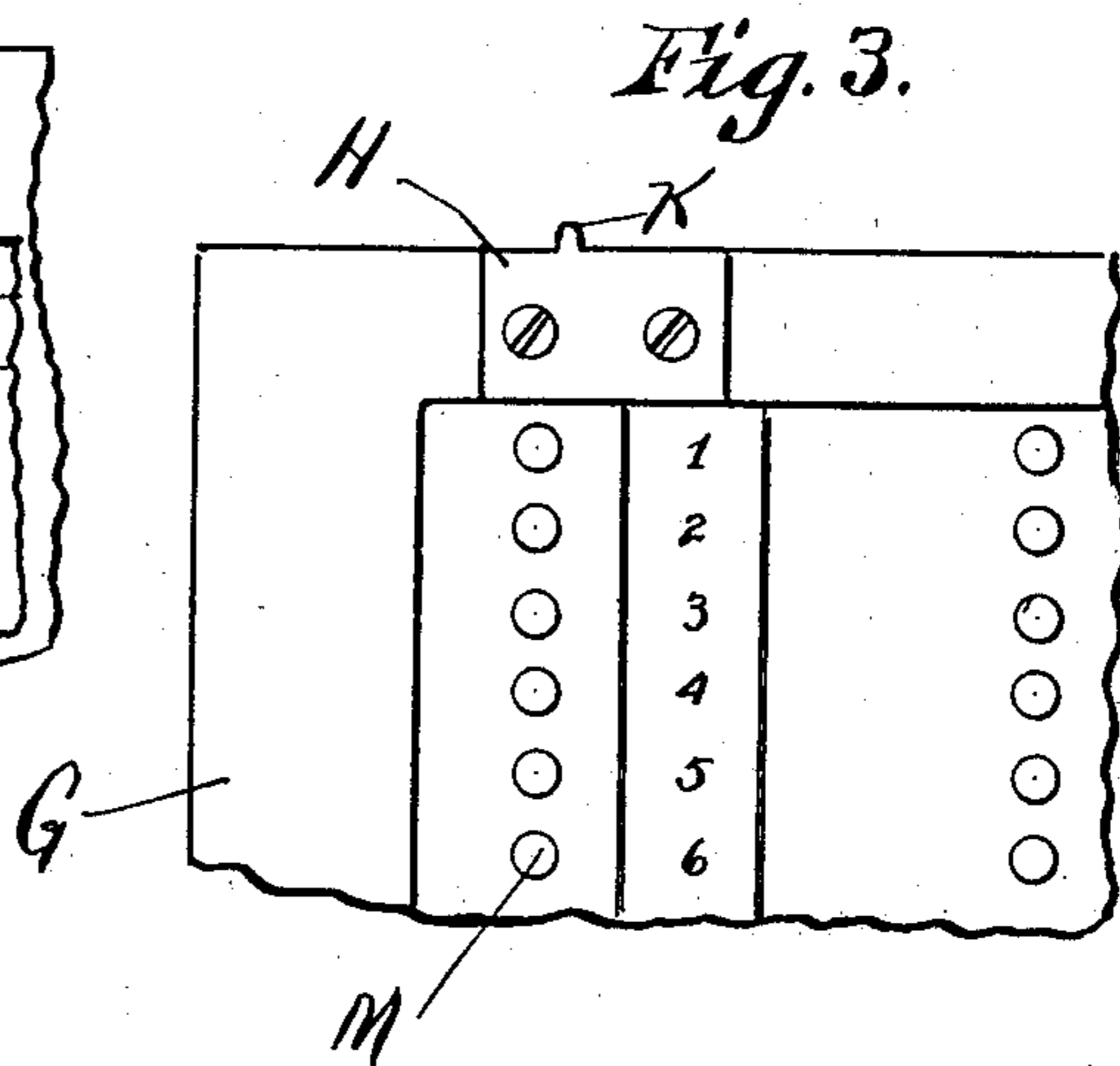
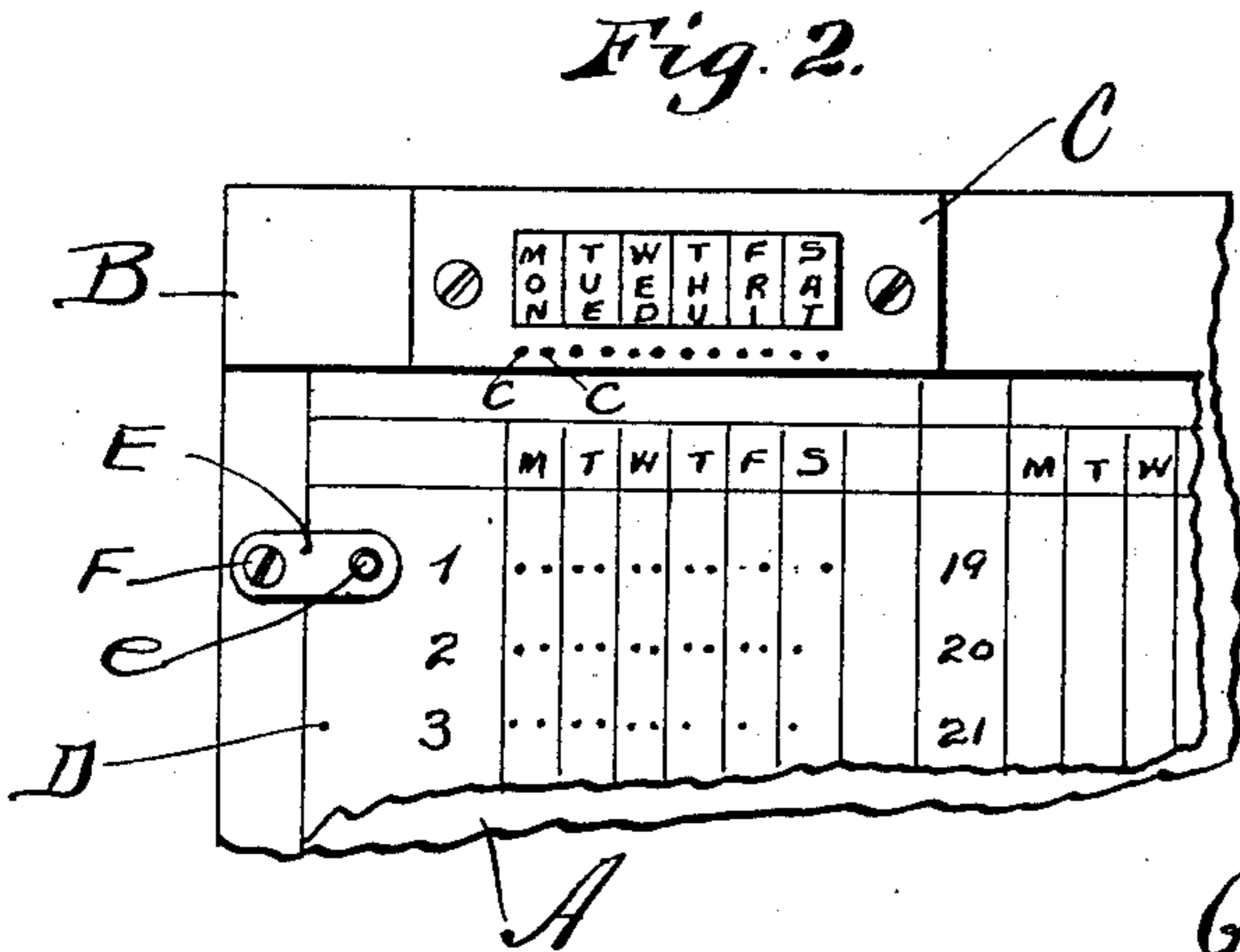
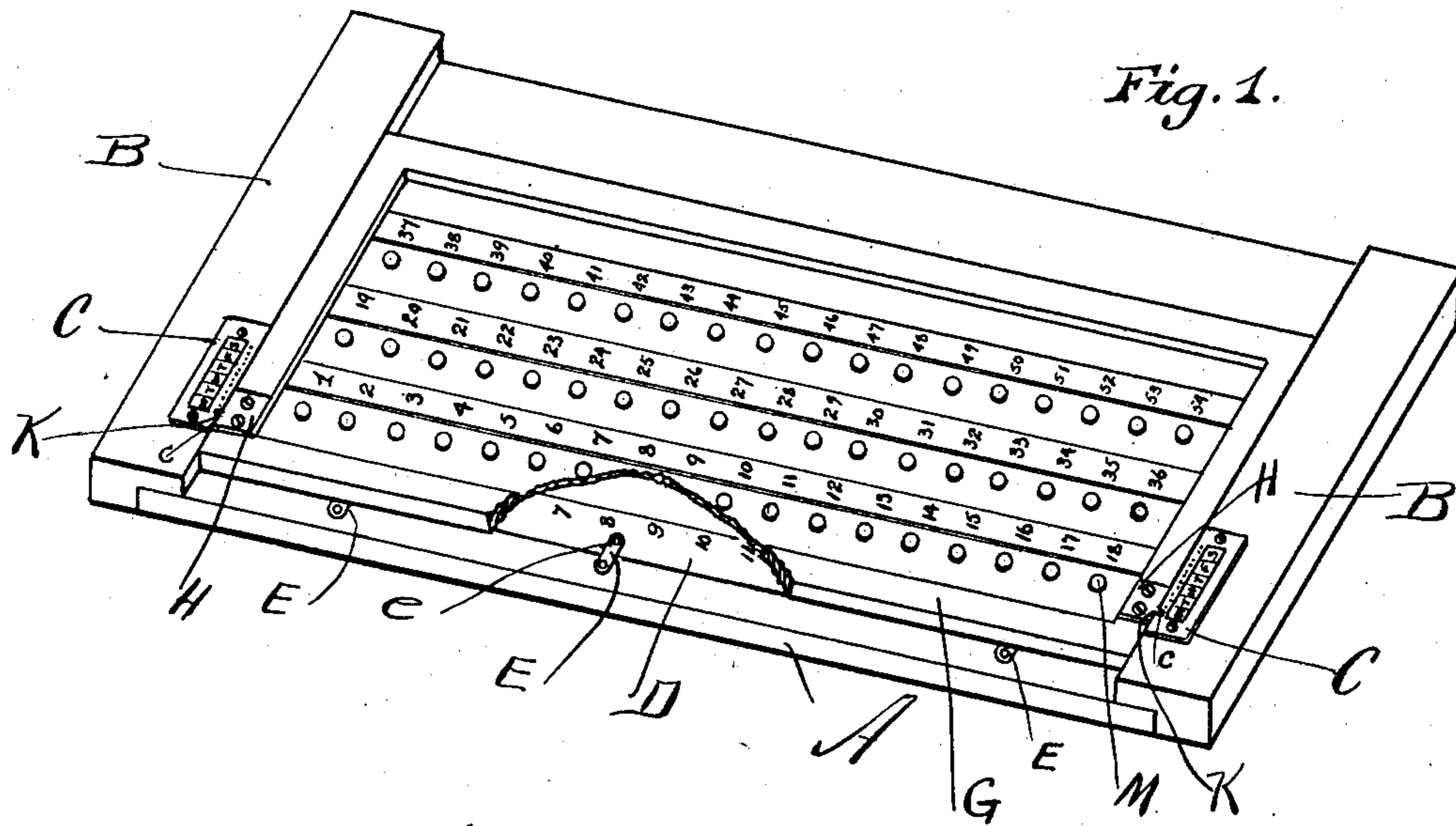


J. K. BARBER.
TIME RECORDING DEVICE.
APPLICATION FILED JULY 12, 1902.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH K. BARBER, OF STONINGTON, CONNECTICUT.

TIME-RECORDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 722,934, dated March 17, 1903.

Application filed July 12, 1902. Serial No. 115,332. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH K. BARBER, a resident of Stonington, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Time-Registering Devices; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to time-recording devices, and has for its object to provide a handy as well as a simple, inexpensive, and effective means of recording on a record-sheet each employee as he enters the shop to work.

The invention is fully described in this specification and illustrated in the accompanying drawings.

Figure 1 is a perspective view of my recording device with the top board partly broken away, showing the ruled record-sheet in position on the lower board. Fig. 2 is an enlarged top view of a portion of the lower board, showing the record-sheet in place, also the calendar-plate, which is divided into the working days of the week. Fig. 3 is a top view of a portion of the upper board, showing the hook-plate and the recording-pins. Fig. 4 is a sectional side elevation through a row of recording-pins, showing a portion of both the upper and lower boards in their relative position for recording. Fig. 5 is a perspective view of one of the recording-pins.

In the construction of my device any suitable material may be employed; but wood is considered preferable for the main parts, as it is found to be particularly suited for my purpose.

A is the main or lower board, with cross-pieces B B on each end.

C C are calendar-plates fixed to both cross-pieces, on which are indicated in separate spaces the six working days of the week. Opposite each space on the edge of the plate are drilled two small registering-holes *c c*, the first hole representing the morning and the second the afternoon session.

D is the record-sheet, which is held in place on the lower board by pins *e*, fast in and pro-

jecting up from said lower board. Spring-latches E are pivoted at F and may be swung back out of the way when the sheet is to be removed or replaced. These record-sheets D are ruled into sets of six spaces, each set representing the working days of the week corresponding to and registering with the divisions on the calendar-plate C, above mentioned. These sets of divisions or spaces may be repeated on the same sheet as many times as desired, which is regulated by the number of men required to be recorded on each sheet, and in addition to this ruling each set of divisions on the sheets are numbered consecutively at intervals down the page, each number representing a workman's name.

G is the upper or shifting board for carrying the recording-pins, on each end of which are fixed the plates H H. Each of these plates has a small hook-shaped portion K K projecting downward from them and adapted to engage the holes *c c* in the edge of the calendar-plates C. Projecting through this board and registering with the consecutive numerals beneath them are the recording-pins M. These pins are arranged in rows corresponding with the separate sets of spaces above mentioned. Each pin also has a number corresponding with those on the same record-sheet. These recording-pins are made of steel or other suitable material, with a button or head on one end and a sharp point on the other. They project through the hole in the shifting board and are held in place by washers R, which are riveted on the under side.

To enable my invention to be more fully understood, I will now more particularly describe the operation of the same. At the commencement of each week a new record-sheet D, properly printed and lined to conform to the requirement of the establishment using it, is placed on and fastened to the main or lower board A, with its longitudinal lines registering with those of the calendar-plates C on the ends. The top or shifting board G, carrying the required number of recording-pins M, is then placed in position over the recording-sheet with its hooks K K engaging the first

holes *c c* in the space indicated as "Monday" on the calendar-plate. As the men enter the factory or gate, as the case may be, they simply call their number and the attendant presses the recording-pin opposite the same and the impression of the point is left on the paper. In the afternoon the shifting board is moved along one hole, the operation is repeated, and the record of attendance for the day is complete.

This device is expressly adapted for use in plants where a large force of hands are employed. Heretofore it has been the general custom to use expensive recording devices for this purpose whose mechanism is operated by clockworks and the record is left on a dial or ribbon, from which it must be transferred to the books.

My mechanism is extremely simple of construction as well as simple and effective in operation. At the end of the week when the men have passed in and the records made the sheets are removed and are in condition for an immediate filing away as separate leaves of a book with nothing further to do on them but set down against each man's number the amount he has earned during the week and the record is complete. This method is particularly valuable as a labor-saver, as it effectually does away with an immense amount of figuring and transferring of accounts required in other recording devices to get the result in the required form obtained primarily by my device.

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

1. In a recording device, in combination a plate for holding and supporting the record-sheet, means for fastening said sheet to said plate, an independent and removable shifting board, recording-pins numbered and arranged in numerical order, projecting through said shifting board and arranged to be pressed to indicate on said record-sheet in the space indicated by corresponding numbers, and calendar-plates at one or both ends of said sheet, substantially as described.

2. In a device of the character described in combination, a plate on which is fixed and supported a record-sheet a plurality of recording-pins, numbered and arranged in numerical order, and held to be shifted collectively and without changing their position relative to each other laterally over the face of the record-sheet, and calendar-plates by which to set the shifting board, substantially as described.

3. In a recording device, a record-sheet holder in combination with a series of recording-pins numerically arranged to be shifted laterally over the face of the record-sheet by an independent removable shifting board, and to be pressed individually for the purpose of recording on a fixed record-sheet, the points of record on the record-sheet being directly

beneath the end of each pin, substantially as described.

4. In a device of the character described, a record-sheet holder, in combination with a plurality of pins numbered and arranged to register with corresponding numbers on a record-sheet, said pins arranged to be shifted collectively and without changing their position relative to each other, across the face of said record-sheet, and arranged to be pressed individually for the purpose of recording on a record-sheet, calendar-plates for determining the position of the recording parts, substantially as described.

5. In a recording device, in combination a fixed record-sheet, a calendar-plate on the record-sheet holder, a transversely-movable board carrying a series of recording-pins arranged to be moved at intervals to record on the record-sheet by pressing the recording-pins, substantially as described.

6. In a recording device, in combination a fixed record-sheet, calendar-plates for determining the position of the recording parts, a transversely-movable board carrying a series of recording-pins arranged to be moved at intervals and held in a fixed position while the pins are being pressed to record on the record-sheet fixed and supported directly beneath them, substantially as described.

7. In a recording device, in combination a fixed record-sheet, calendar-plates for determining the position of the recording parts, an independent, removable and transversely-movable board carrying a series of recording-pins arranged to be moved at intervals and held in a fixed position while the pins are being pressed to record on the record-sheet fixed and supported directly beneath them, substantially as described.

8. In a recording device, in combination a plate to which is fixed and supported a record-sheet, a shifting board or plate having a plurality of holes through it, recording-pins numbered and arranged in numerical order held to reciprocate in said holes and record directly beneath their lower ends, said shifting board arranged to register with calendar-plates, said calendar-plates, means for holding said shifting board in the desired positions, substantially as described.

9. In a device of the character described a bottom plate, means for attaching a record-sheet to said bottom plate, calendar-plates at one or both ends of the record-sheet, an upper plate carrying a plurality of recording-pins arranged in rows, said upper plate to be moved on said lower plate and to move all of the pins at once and in the same relative position to each other, means for securing said upper plate in the desired positions on said lower plate, substantially as described.

10. In a device of the character described, a bottom plate, means for attaching a record-sheet to said bottom plate, a calendar-plate attached at one or both ends of said record-

sheet, an upper plate carrying a plurality of
recording-pins arranged in numerical order
to be moved laterally on said lower plate,
hooks on said upper plate arranged to be in-
5 serted in corresponding holes on said lower
plate for securing said upper plate in the de-
sired positions, substantially as described.

In testimony whereof I have hereunto set
my hand this 8th day of July, A. D. 1902.

JOSEPH K. BARBER.

In presence of—

HOWARD E. BARLOW,
M. L. HAZARD.