A. J. CLINE.

MOTOR SUPPORT FOR LINOTYPE MACHINES.

APPLICATION FILED DEC. 10, 1912.

1,097,533. Patented May 19, 1914.

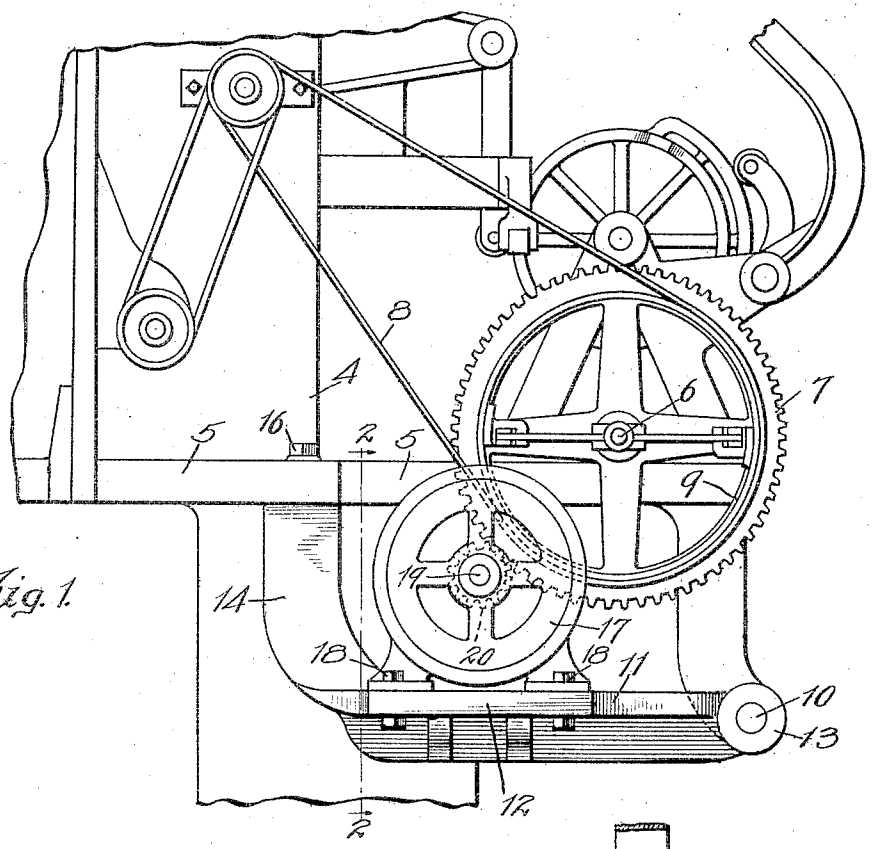

Fig. 1.

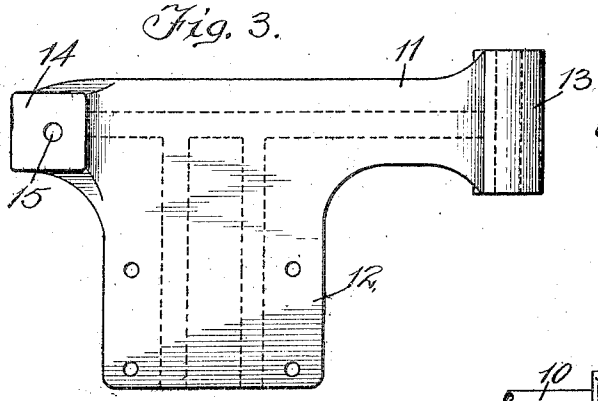

Fig. 3.

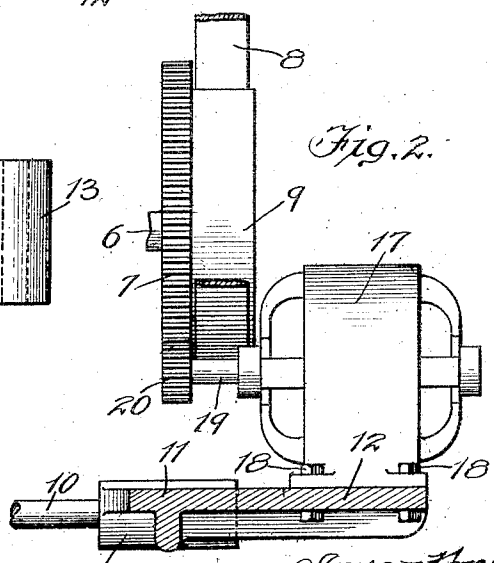

Fig. 2.

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UNITED STATES PATENT OFFICE.

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MOTOR-SUPPORT FOR LINOTYPE-MACHINES.

1,097,533. Specification of Letters Patent. **Patented May 19, 1914.**

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To all whom it may concern:

Be it known that I, ALLAN J. CLINE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Motor-Supports for Linotype-Machines, of which the following is a specification, reference being had to the accompanying drawings.

My invention has to do with driving mechanism for linotype machines. It is desirable that such machines be driven by electric power, but owing to peculiarities of their construction, it has been difficult to devise means for applying motors of standard types thereto, so that prior to my present invention, it has been found necessary to use a motor of special design and construction, thus very materially increasing the cost of the motor, as well as of applying it to the machine.

It is the object of my invention to avoid this objection and to provide means by which a standard type motor may easily and inexpensively be applied to linotype machines without necessitating any changes whatever in the construction of such machines as produced by the manufacturer, and this object I accomplish as illustrated in the drawings and as hereinafter described.

What I regard as new is set forth in the claims.

In the accompanying drawings,—Figure 1 is a side elevation of certain parts of a linotype machine, illustrating my improved motor support, with the motor in position; Fig. 2 is a partial vertical section on line 2—2 of Fig. 1; and Fig. 3 is a plan view of the motor support.

Referring to the drawings,—4 indicates the supporting frame of a linotype machine, of which 5 is a horizontal plate which supports certain parts of the mechanism. 6 indicates the drive shaft of said machine, which carries a gear 7, through which certain operating parts of the mechanism are driven by a belt 8, running over a pulley 9, carried by the gear 7, as shown in Fig. 1.

10 indicates a non-rotating horizontal shaft, which is a part of the standard linotype machine and extends horizontally at a point below the gear 7, as illustrated in Fig. 1. So far as my invention is concerned, it is immaterial whether or not the shaft 10 rotates, or rocks, or is stationary.

11 indicates my improved motor supporting bracket, the construction of which is best shown in Figs. 1 and 2. As therein shown, the bracket 11 comprises an intermediate horizontal portion having a laterally-projecting web 12 constituting a motor-supporting platform, a sleeve 13 at one end portion of the bracket, and an upwardly-projecting attaching arm or standard 14 at the other side of the web 12, said standard having a screw-threaded socket 15 at its upper end. The sleeve 13 is adapted to fit upon the end of the shaft 10, as shown in Fig. 1, and the standard 14 is adapted to fit against the plate 5, preferably as shown, against the under surface of said plate, so that its socket registers with a vertical passage in said plate which receives a bolt 16. It will be apparent that by fitting the sleeve 13 upon the shaft 10 and securing the upper end of the standard 14 tightly against the under side of the plate 5 by the bolt 16, the bracket 11 may be held rigidly in position.

17 indicates the motor, which is mounted upon the web 12 of the bracket 11 and is secured thereto by bolts 18. 19 indicates the motor shaft and 20 a pinion mounted on said shaft and meshing with the gear 7, as shown in Fig. 2. It will be noted that by this construction, the motor is mounted outside of the gear 7 and in a position which makes it readily accessible. By mounting the motor outside of the drive gear of the machine, as illustrated, it becomes unnecessary to use a special type motor, but any suitable motor of standard type may be employed.

The motor supporting bracket is simple and inexpensive in construction and may readily be applied to or removed from the linotype machine without disarranging or changing in the least any of its parts and the motor may be dropped down, the bracket sleeve pivoting, out of operative position to permit of access to parts of the machine without removal of the motor and supporting bracket from the machine.

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

1. A motor support for linotype machines, comprising a horizontal platform adapted to support a motor, a pivoting sleeve rigidly

carried at one side of said horizontal platform, and an attaching arm rising at the opposite side of said horizontal platform, substantially as described.

2. A motor support for linotype machines, comprising an intermediate horizontal portion, a pivoting sleeve rigidly carried at one side thereof, an attaching arm rising from the opposite side thereof, and a motor supporting platform projecting laterally from said intermediate horizontal portion.

ALLAN J. CLINE.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."