

(No Model.)

F. P. SHEPARD.
SPRING HAMMER.

No. 514,385.

Patented Feb. 6, 1894.

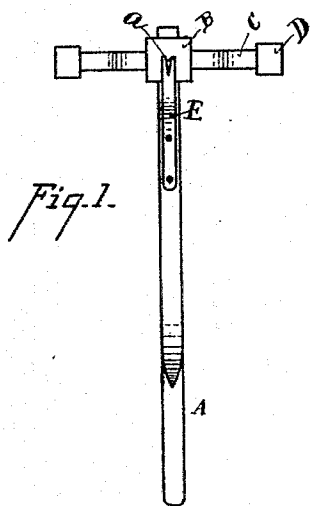


Fig. 1.

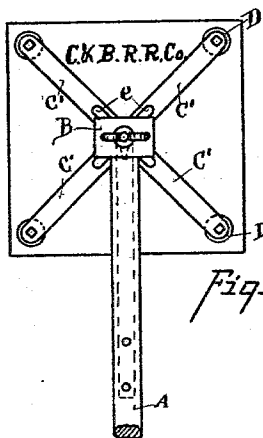


Fig. 3.

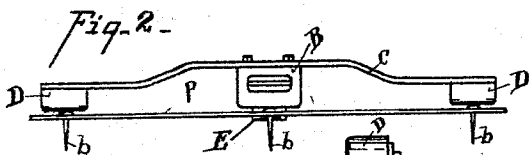


Fig. 2.

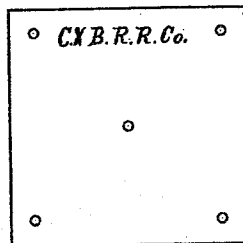


Fig. 7.

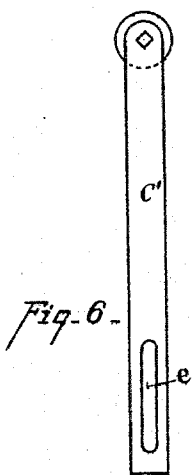


Fig. 6.

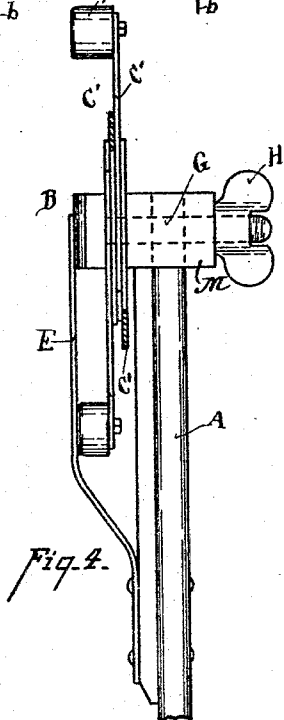


Fig. 4.

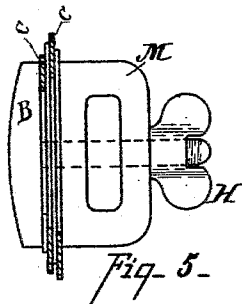


Fig. 5.

Witnesses
D. Kaiser.
T. Simmons.

Inventor
F. P. Shepard
By W. H. R. R. Co.
Attorneys

UNITED STATES PATENT OFFICE.

FRANK P. SHEPARD, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO E. T. STODDARD, OF SAME PLACE.

SPRING-HAMMER.

SPECIFICATION forming part of Letters Patent No. 514,385, dated February 6, 1894.

Application filed October 14, 1893. Serial No. 488,146. (No model.)

To all whom it may concern:

Be it known that I, FRANK P. SHEPARD, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Spring-Hammers, of which the following is a specification.

The object of my invention is to provide multiple hammers mounted upon flexible arms, with an attaching device adapted to hold a poster or card in position, whereby it can be attached to a post or wall, or any other surface.

The various features of my invention are fully set forth in the description of the accompanying drawings making a part of this specification, in which—

Figure 1 is a bottom plan view of a simple form of hammer. Fig. 2 is an end elevation of Fig. 1. Fig. 3 is a modified form of a multiple hammer. Fig. 4 is a side elevation of the same. Fig. 5 is an end elevation of the supporting head. Fig. 6 is a plan view of one of the flexible hammer arms. Fig. 7 is a plan view of the poster shown in Fig. 3.

A represents the handle upon which the hammer head B is mounted.

C represents flexible arms attached to the central head B upon which the end hammers D are mounted. The hammer heads B, D, are made of metal so as to enable a smart blow to be struck.

E represents a spring clasp attached to the handle and projecting up against the central head B. The forward end is preferably slotted at *a*, the bifurcation extending each side of the central tack *b*, the said central tack resting loosely in the slot, which together with the spring E holds the poster in position and allows the hammer to be withdrawn from the poster after the tacks have been driven.

b, b, b, represent the tacks in the poster cards, the heads of which rest against the hammers B, D, D. The form shown in Figs. 1 and 2 is adapted to cards or posters carrying three tacks, the heads of which rest against the respective hammers. When more tacks are required additional hammers are employed, and the preferred form is shown in Figs. 3, 4, and 5, which also show a modified

form of construction of the flexible arms, which are made adjustable upon the central hammer. The spring clasp E rests against the center of the hammer head B, as shown in Fig. 2, but instead of attaching the handle to its head it is provided with the stud bolt G.

M represents a supplemental head through which said bolt projects. It is mortised to receive the handle A. The handle is pierced to allow the bolt G to pass through it.

H represents a set nut engaging with the threads on bolt G.

C' represents the flexible arms each carrying a hammer D. They are provided with slots *e* through which the bolt G passes. I have shown four hammers in these figures, each supported upon its appropriate flexible arm. When the set nut H is screwed up the head B and the flexible arms C and supplemental head M are locked together.

The shape of the arms C or C' is immaterial so long as they are flexible enough to conform to the various surfaces to which posters are to be attached. For instance, when posters are to be attached to a telegraph pole or tree, considerable flexibility is required so that the end hammers by the elasticity of their arms will spring around and drive the tacks home.

I do not wish to limit myself to the slotted arms as a means of adjusting their length as any well known form of adjustability may be employed, so that the length of the arms may be varied to correspond to the size of the poster.

Mode of operation: The card or poster is placed in position with the tacks put in opposite the hammers. The spring E holds the poster centrally in position. The operator raises up the hammers by the handle A and swings it forward with sufficient force to produce the desired blow by the hammers, which resting against the tacks drive them home. Then the operator pulls down upon the handle detaching the hammer from the card.

I obtain an important advantage by employing flexible arms on which to mount the hammers, as the forcible blow of the hammer may be obtained much easier than where rigid arms are employed even upon flat sur-

faces, and rigid arms would be unfit for tacking upon irregular surfaces.

Having described my invention, what I claim is—

5 1. In combination with the handle A, a series of hammers mounted upon the flexible arms C, substantially as described.

2. A hammer composed of the handle A, the poster holder E, the central hammer B, 10 and one or more end hammers mounted upon flexible arms C supported on the central hammer head B, substantially as described.

3. In combination with the central hammer head B, a series of flexible arms C, adjustably connected to said head, and carrying hammers upon their ends, substantially as described. 15

In testimony whereof I have hereunto set my hand.

FRANK P. SHEPARD.

Witnesses:

T. SIMMONS,
C. W. MILES.