

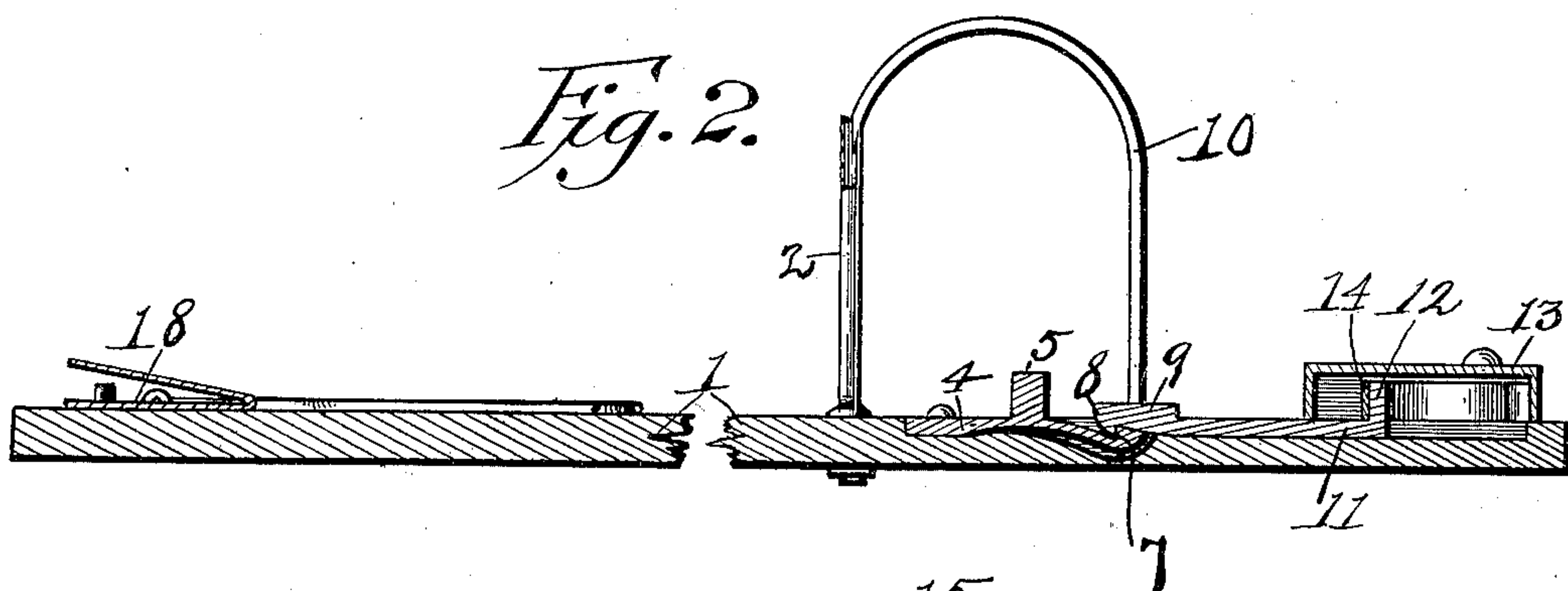
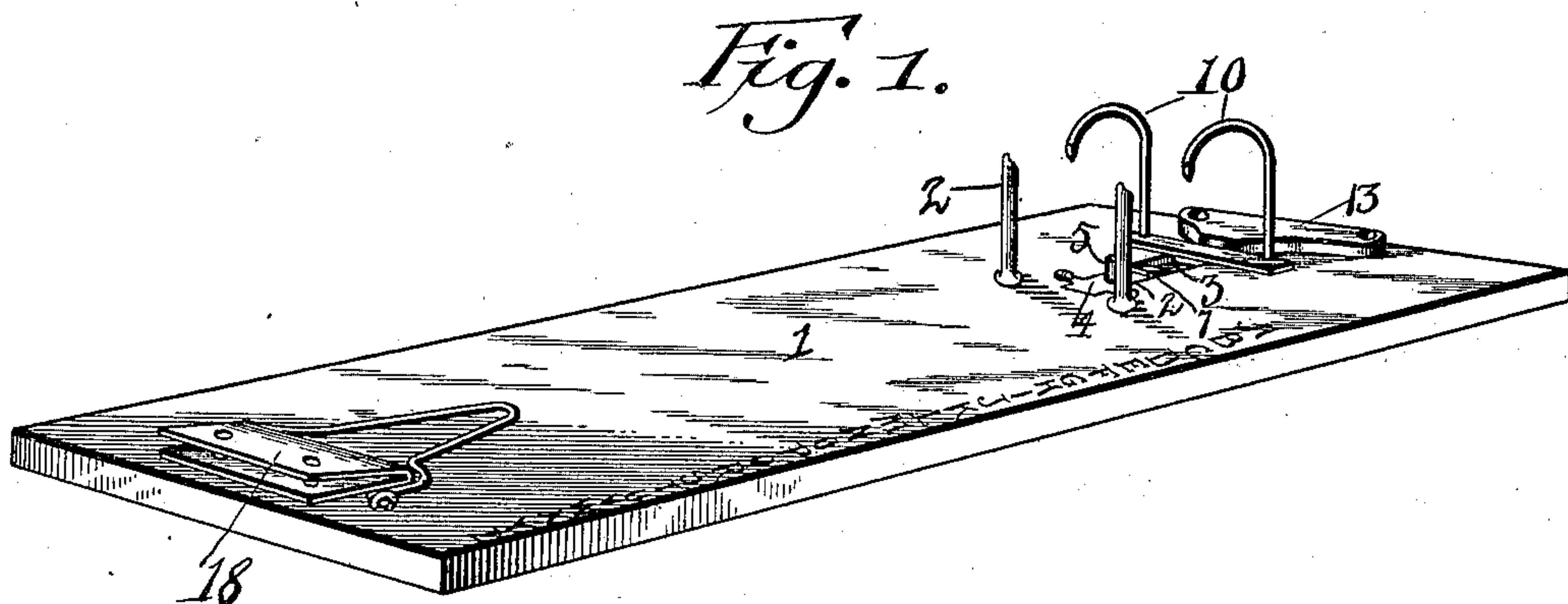
No. 627,277.

Patented June 20, 1899.

W. SHYVERS.  
LETTER FILE.

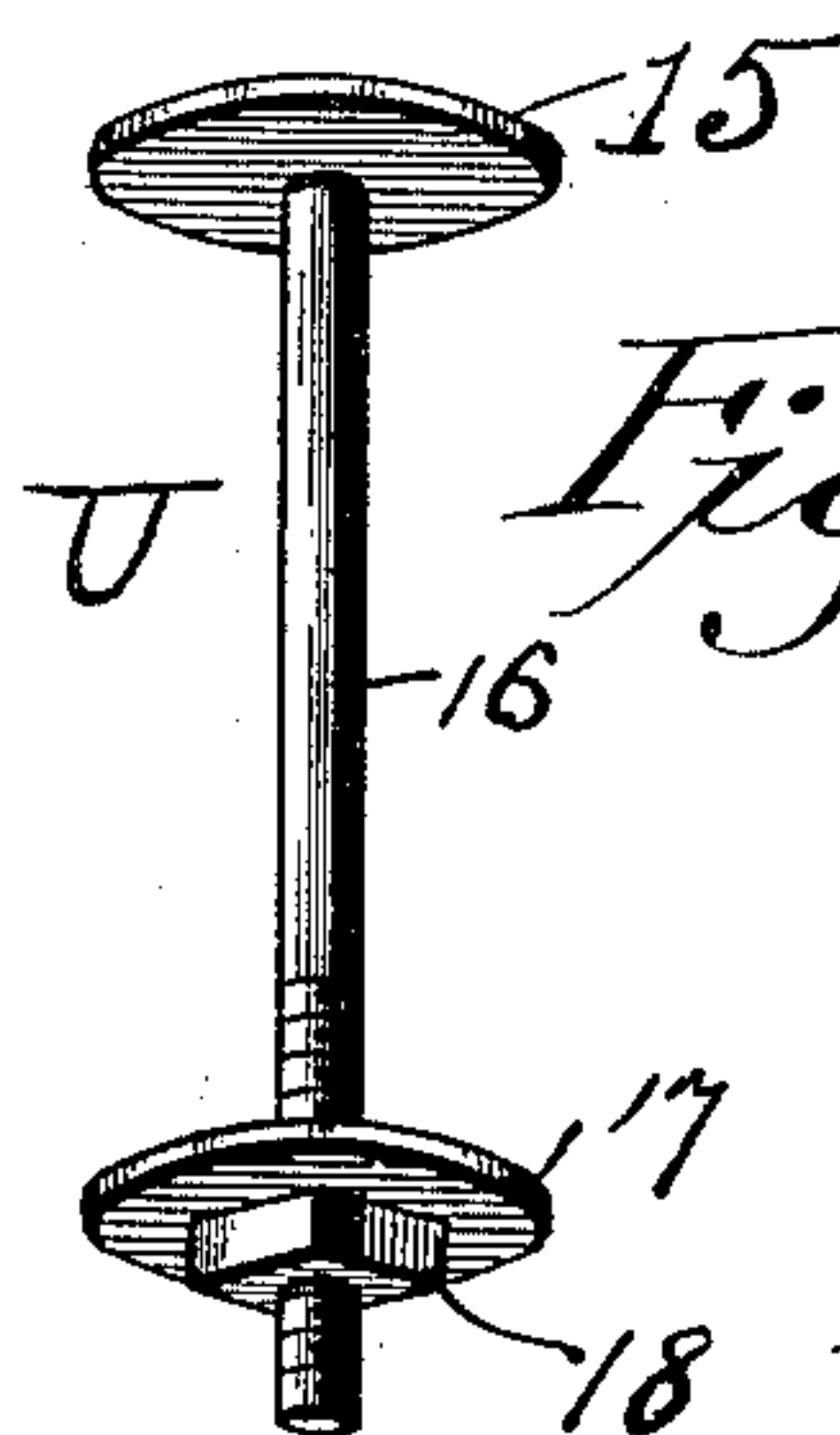
(Application filed Nov. 19, 1898.)

(No Model.)



*Fig. 4.*

A



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLIAM SHYVERS, OF SANTA BARBARA, CALIFORNIA.

## LETTER-FILE.

SPECIFICATION forming part of Letters Patent No. 627,277, dated June 20, 1899.

Application filed April 19, 1898. Serial No. 678,163. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM SHYVERS, a subject of the Queen of Great Britain, residing at Santa Barbara, in the county of Santa Barbara and State of California, have invented certain new and useful Improvements in Letter-Files, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in letter and bill files, and has for its object to provide novel means for holding the keepers against the impaling-pins to allow the papers to be turned thereon, and, furthermore, the  
15 provision of means for releasing the keepers from engagement with said pins and causing them to draw away therefrom when desired that the papers may be removed.

20 A further object of the invention is to produce a bill and paper filing board having impaling-pins and retainers or keepers acting in conjunction therewith which will prove strong, durable, efficient, and satisfactory in use.

25 In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponding parts in the several views, in which—

30 Figure 1 is a view in perspective of a board with my improvements applied. Fig. 2 is a longitudinal central sectional view thereof, and Fig. 3 is a view in perspective of the binding device. Fig. 4 is a plan view of an indexing-paper.

35 In the drawings, 1 denotes the board, having hollow impaling-pins 2 suitably fastened. Centrally of the board at one end I provide a groove or way 3, and in the forward end of the groove I secure a spring-latch 4, having  
40 a thumb-piece 5 to receive the pressure for operating the latch, and on the rear end of said latch I provide a shoulder 7, which engages and forms locking connection with the lug 8, formed on the sliding plate 9. This  
45 sliding plate 9 carries the keepers or securing-arches 10 and is provided with a rearward extension 11, lying and operating in the groove or way. The free end of the extension is up-  
50 turned, as at 12. A housing 13 is screwed or otherwise attached to the board, and therein I arrange a spring 14, which engages the up-

turned end of the extension and exerts a pressure thereon to hold the slide carrying the keepers normally out of engagement with the latch and at the same time holding the keepers from contact with the impaling-pins that the papers may be applied to the pins and after such application that the slide may be drawn forward and held by the locking action of the latch and lug, as will be understood, the parts being so arranged that the ends of the keepers are lying against the walls of the impaling-pins at the time the latch is in engagement with the lug of the sliding plate.

65 In connection with my invention I prefer to employ the binders or fasteners U, consisting of a bolt 16, having a head 15, a washer 17, and a nut 18.

70 The perforator 18 may be of any ordinary construction, and it may be attached to the board in any suitable manner.

In providing suitable means for indexing I arrange on the right-hand side of the board, on its upper surface and in a vertical line, the letters of the alphabet to indicate to the operator the position the letters should occupy. I then provide pieces of paper (shown in Fig. 4) having letters thereon. When the first paper is filed under any given letter, I attach one of the squares of paper to the letter filed, and in securing the indicating-squares I place it at a point opposite its corresponding letter on the board. The letter is then employed as a substitute for the blank sheets in common use.

85 The indexing-squares can be furnished at a nominal cost, and it is my purpose to supply a quantity of them with each outfit.

90 It will be observed from the foregoing that various changes may be made in the proportions and other details of construction, and yet the general spirit of my invention will not be departed from.

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

1. In a bill-file, the combination of a board, impaling-pins projecting upwardly therefrom, a plate slidably arranged in a groove of the board, keepers or securing-arches fixed on said plate adapted to fit against said impaling-pins, a spring-latch arranged in the groove to engage a lug formed on the under side of said

plate, a rearwardly-projecting extension  
formed with the plate, an upturned lug formed  
on the end of said extension, a housing cov-  
ering a portion of said extension, a flat spring  
5 arranged within the housing to engage said  
lug and hold the plate normally away from  
said latch, substantially as shown and de-  
scribed.

2. In a bill-file, the combination of a board,  
10 impaling-pins on the board, a plate slidably  
arranged on the board, keepers on the plate  
adapted to fit against the impaling-pins, a

spring-latch arranged in a groove, to engage  
and hold the plate, an extension formed with  
the plate, a spring engaging the extension and 15  
holding the keepers normally out of engage-  
ment with the pins, substantially as described.

In testimony whereof I affix my signature  
in the presence of two witnesses.

WILLIAM SHYVERS.

Witnesses:

W. W. OSBORNE,  
CHAS. F. NEWMAN.