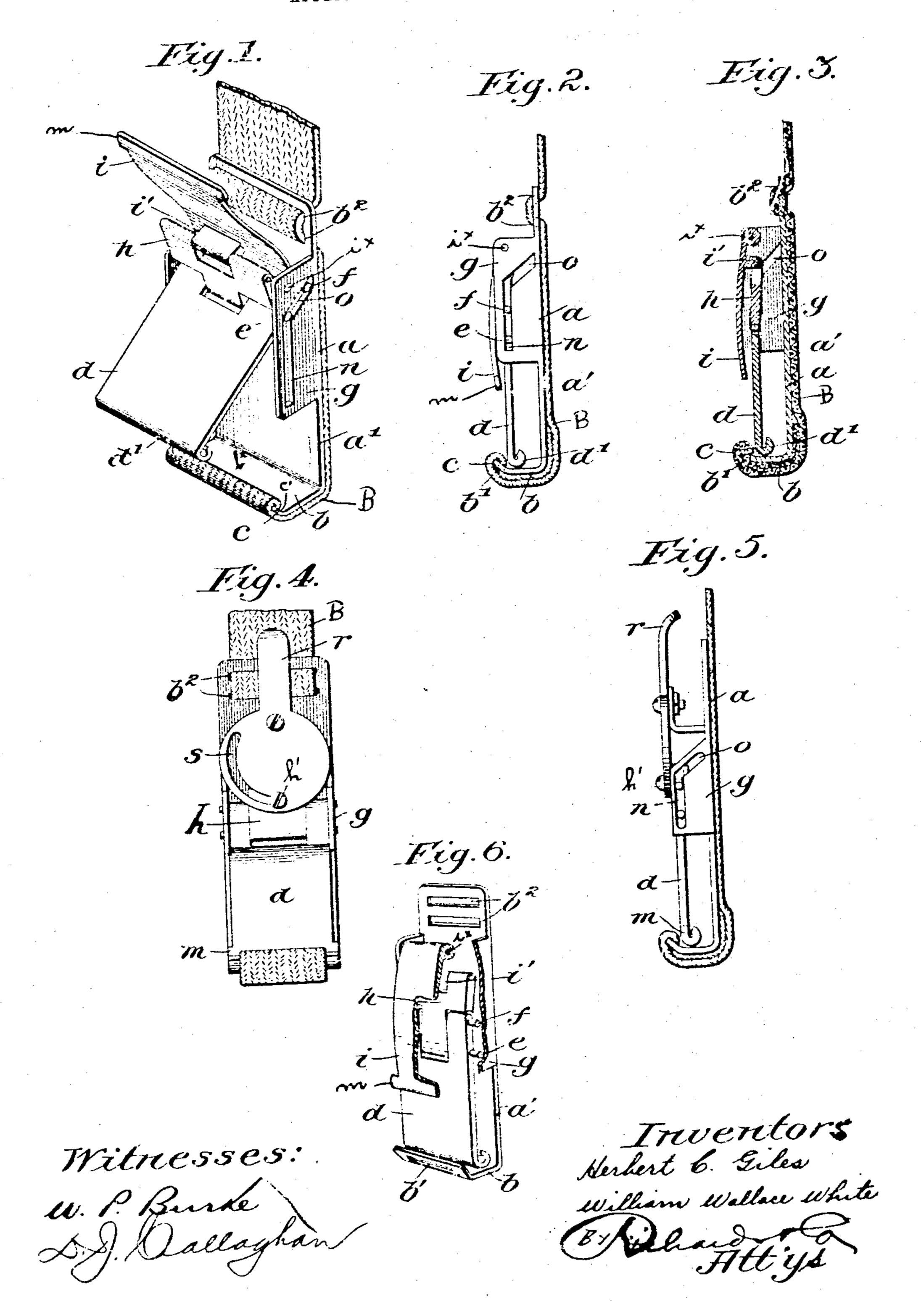
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H. C. GILES & W. W. WHITE.

HOSE SUPPORTER.

APPLICATION FILED MAY 15, 1906.



## UNITED STATES PATENT OFFICE.

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## HOSE-SUPPORTER.

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To all whom it may concern:

10 fication.

and more particularly to the clasp or hose-

engaging member thereof.

The object of the invention is to provide a of parts to be hereinafter described, and particularly pointed out in the claims.

showing the clasp in open position. Fig. 2 is tearing the fabric of the hose is diminished. a side elevation. Fig. 3 is a transverse sec-25 tional view. Fig. 4 is a front elevation of a clasp to the webbing is found to possess many Figs. 1, 2, and 3.

tively immovable back plate or jaw member | material bearing on the inventive thought 85 embodying means for the attachment of the embodied in the clasp proper. ordinary webbing thereto and provided with | The movable clamping plate or jaw mem-35 hose or with substantially horizontally and | bar having an enlarged lower end d', designed to horizontally and vertically disposed clamp- juxtaposition to the upper face of the part b. 45 giving it a swinging movement when entirely therewith and for swinging the lower or

ber is designated a, is provided with a flat per end of the latter, which enter and are rear face or surface a' and with a laterally- | guided in ways or slots provided in ears g,

projecting part b at its lower end which ter- 55 Be it known that we, Herbert C. Giles minates in an upwardly-extending part c, and William Wallace White, citizens of forming a substantially vertically disposed the United States, residing at 213 Santiago I shoulder or clamping-surface, as will be here- $_{5}$  avenue, Eutherford, New Jersey, and  $_{579}$  inafter described. The part b is preferably West One Hundred and Forty-lifth street. provided with a slot b' at the base of the part c, 60 New York, N. Y., respectively, have invent-through which the end of the webbing B' is ed new and useful Improvements in Hose- | threaded, and a double slot  $b^2$  is provided at Supporters, of which the following is a speci- the upper end of the plate, through which the webbing is passed. In attaching the clasp The invention relaces to hose-supporters, to the webbing the lower end of the latter is 65 passed through the double slot  $b^2$ , is then brought down along the rear face of the plate a, against which it lies and for which it pro-15 hose-clasp which is simple and durable in vides a covering, and its end portion is construction and highly efficient in use; and [brought around under the part b and over 70 it includes the combination and arrangement || the part c and passed down through the slot b', the free end being held between the bottom postion of the plate and the main part of In the accompanying drawings, which illus- the webbing. As the webbing is passed trate the invention, Figure 1 is a perspective—around the part c, it provides a protecting- 75 view of one embodiment of the invention, covering therefor, so that the likelihood of

modification. Fig. 5 is a side elevation of features of merit and forms an incidental part 80 Fig. 4. Fig. 6 is a perspective view, with of the invention; but this particular manner parts broken away, of the clasp shown in of securing the webbing to the clasp is not essential to the operation of the clasp, as will The invention includes generally a rela- | be hereinafter described, nor does it have any

a pocket or channel to receive the edge of the ber is designated d and is illustrated as a flat vertically disposed clamping-surfaces and a to enter the pocket or channel formed at 90 movable clamping plate or jaw having an end | the lower end of the plate a or to enter bedesigned to enter the pocket to clamp the tween the rear face of the part c and the front edge of the hose therein or to coact with said | face of part a with its lower edge in close ing surfaces and means coacting with said As before premised, means are provided for 95 movable plate for moving the same in a sub-| moving this plate d in a rectilinear direction stantially rectilinear direction while within on the initial retractile movement thereof the pocket or in register therewith and for and when within the pocket or in register out of the pocket, said means being con- clamping end thereof outwardly on the final 100 structed and arranged to retain the movable retractile movement and when said end has member in clamping position against acci- been sufficiently raised from the part b to easily clear the upper edge of the part c. The In the exemplification of the clasp illus- illustrated means for effecting this movetrated in the accompanying drawings the ment includes pintles ef, projecting from ep- 105 back plate or relatively stationary jaw mem- posite edges of the plate d, adjacent the up-

and suitably connected at its upper end to plate a. the hand-operated member, so as to be reciprocated, as will be hereinafter described.

In the embodiment of the invention shown 10 in Fig. 1 the hand-operated member is a lever | this latter embodiment of the invention the 75 15 is designed when in closed position to lie flat | plate d in a manner similar to that described. 80 against the outer face of the plate d, is pro-  $|\cdot|$  The construction and operation of the de-20 guide-pintles for the plate that when down that the parts and combinations disclosed 85 clamped within the clasp. To bring about of the invention. this result, the pintles f are beyond the plane. We claim— 25 of the clamping member d when the parts are 1. In a garment-clasp and in combination 90

in closed position.

30 line with the greatest length of the plate d plate while within said channel or pocket or 95 gles to the part n. The pintles f are preferably arranged adjacent the upper of the 35 plate d, while the pintles e are arranged coincident with the pivotal point between the link h and said plate, or the latter pintles may be formed by the projecting ends of the pivot-pin used in said pivotal connection, as 40 shown by Fig. 6. It will be understood that when the plate d is down in clamping position the pintles will be in the parts of the slots designated n, and during the initial part of the opening movement of the plate they will con-45 tinue in the straight portion of said slots, so that as the plate is moved upwardly it will travel in a rectilinear line, and this will continue until the pintles f strike the upper wall of the portion o of the slots, whereupon these 50 pintles will travel in the oblique portions, which will cause the plate d to tilt upon the pintles e, thus throwing the free end of the plate outwardly as said plate is moved rearwardly. Exactly the reverse action occurs | extension, a movable plate designed to coact 55 in closing the clasp or in moving the plate d | with said lateral extension, and rear face of 120 into clamping position. When applying the | said upward extension, and means for movclasp to the hose, the plate d occupies the ling said movable plate in a rectilinear direcposition shown in Fig. 1, and the upper end tion to shift the lower end of the same into of the hose is then placed over the laterally- and out of coaction with the rear face of the 60 extending end b of the plate a. The hand-supward extension and for also giving the 125 lever is then operated, which in the initial plate a swinging movement when out of comovement through the mechanism described | action with said upward extension, substanswings the plate d inwardly and then forces | tially as described. it down in a rectilinear direction to securely 5. In a garment-supporter and in combi-

turned up from the opposite edges of the plate 1 tom d' of the plate d and the upper surface  $h^{\times}$ a at right angles to the face of the latter,  $^{1}$   $\circ$  -  $^{1}$  of the part b and the upper side of the plate d tween which ears the plate d is confined, a | and the contiguous side c' of the part c as well hand-operated member, and a link h, pivot- $\frac{1}{2}$  as between the rear side of the plate d and 5 ally connected at its lower end to the plate d | the adjacent portion of the inner face of the 70

In the modification of the invention illustrated in Fig. 4 a lever r, provided with a cam-slot s, is substituted for the lever i. In i, pivotall mounted, by means of rod  $i^{\circ}$ , be-| rear end of the link h is provided with an tween the ars g and provided on its under abutment h', which projects into the slot s, so face with a lug i', to which the upper end of f that as the lever r is manipulated the link the link h is pivotally connected. This lever | will be reciprocated and will operate the

vided at its lower end with ears m or other | vice will be readily understood upon referprojections to facilitate it being grasped by | ence to the foregoing description and accomthe fingers, and is so arranged relative to the panying drawings, and it will be appreciated it is automatically locked in closed position | may be modified or varied within a wide range. against release under the strain of the article | without departing from the spirit and scope

a relatively stationary back plate having a The slots in the ears g are each provided | channel or pocket therein, a movable memwith a lower portion n, extending substan- | ber, and means for moving said member in a tially parallel with the face of the plate a or in ! direction substantially parallel with the back when the latter is in clamping position, and im register therewith and for afterward swingwith continuations o, disposed at oblique an- ling the member away from the back member, substantially as described.

2. In a garment-clasp and in combination a relatively fixed plate having a laterally- 100 extending clamping portion and a clamping member having a swinging movement to bring the same into and out of register with said laterally-extending clamping portion and a sliding movement toward and from 105 said clamping portion and means for giving said member said movements, substantially

as described.

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3. In a garment-clasp and in combination a relatively fixed plate having a laterally- 110 extending clamping portion and a movable member associated with the fixed plate, with means for giving said movable member both a rectilinear and a swinging movement, sabstantially as described.

4. In a garment-clasp and in combination a relatively fixed plate having a laterallyprojecting portion terminating in an upward

65 clamp the edge of the hose between the bot- | nation a relatively fixed plate and webbing 130

secured thereto, said plate having a channel! or pocket at the lower end thereof opening contwardly, a member associated with the back plate and means for giving said member 5 a sliding movement into and out of the pocket or channel and also an additional swinging movement, substantially as described.

6. In a garment-clasp and in combination a relatively fixed plate having a receiving 10 pocket or channel at the lower end thereof, a movable clamping member and means in the initial retractile movement thereof for shift- | a relatively fixed plate having a laterally-exing the same in a rectilinear direction and for | tending clamping portion, ears on the plate - afterward swinging the same upon a pivot in | provided with guide-slots having portions ex-15 the final retractile movement, substantially I tending in different directions, a clamping-

as described.

7. In a garment-clasp and in combination a relatively fixed plate having a horizontal clamping-surface terminating in a substan-20 tially vertical clamping-surface and a clamping member having an end designed to occupy a position between said vertical clamping-surface and the opposing surface of the fixed plate, means for moving said clamping 25 member in a lengthwise direction into and out of said position last named and for giving said member an additional swinging movement, substantially as described.

8. In a garment-clasp and in combination 30 a backing plate provided with a laterallyextending portion, a clamping-plate, guideways on the backing plate, pintles on the clamping-plate coacting with said guideways, a hand-operated member and a link connec-35 tion between the moving plate and hand-operated member, substantially as described.

9. In a garment-clasp and in combination a relatively fixed plate, ears on the opposite sides thereof having guide-slots therein with 40 portions extending in disserent directions, a plate movably mounted between said ears provided with pintles working in said slots, a hand-operated member and a link between the same and the movable plate, substan-

45 tially as described.

10. In a garment-clasp and in combination | a relatively fixed plate having a laterallyextending clamping portion, ears extending outwardly from opposite side edges of the 50 plate provided with slots having portions extending substantially parallel with the face | bing and the latter providing a covering for 115 of the plate, and other portions extending ob- | the rear face of the plate and for said upward liquely to the first-named portions from the | continuation, a clamping-plate associated upper ends of the same inwardly and up- | with the fixed plate coacting with the upward 55 wardly, a clamping-plate mounted between | continuation and means for operating the said ears provided with two sets of pintles | clamping-plate, substantially as described. guided in said slots, a hand-operated lever, a 15. In a garment-clasp and in combination link connected at one end thereto and pivot- | a relatively fixed plate having a laterally-exally connected at its other end to the clamp-60 ing-plate, one set of said pintles being in aline nent with the pivotal point between said link and plate and the other set of said | a lever pivoted in the upper ends of the ears pintles being located adjacent the end of the | and a link pivoted at its lower end in the plate, substantially as described. | clamping member and at its upper end to

11. In a garment-clasp and in combination, 65 a relatively fixed plate having a laterally-extending clamping portion and webbing secured to the plate, means projecting from the plate having guideways therein, a clamping-plate provided with two sets of pintles 70 guided in said ears, a pivoted hand-operated member and a link connecting between the clamping-plate and said hand-operated mem= ber, substantially as described.

12. In a garment-clasp and in combination 75 plate provided with pintles coacting with 80 said guide-slots, a lever pivoted between the ears and a link pivoted at one end to the clamping-plate and at its other end to said

lever, substantially as described.

13. In a garment-clasp and in combination 85 a relatively fixed plate having a laterally-extending clamping portion, ears on the plate having guide-slots therein, a clamping member provided with pintles guided in the slots, a lever pivoted in the upper ends of the ears 90 and a link pivoted at its lower end in the clamping member and at its upper end to said lever, the latter pivotal connection being designed to occupy a position substantially in alinement with or within the initial 95 direction of movement in the clamping-plate in the opening movement thereof, when the lever is in closed position, whereby said lever will be locked in closed position against lengthwise strain on the clamping member, 100 substantially as described.

14. In a hose-supporter, a relatively fixed member having a flat rear face and a laterally-extending part at the lower end thereof, with an upward continuation providing a 105 clamping-shoulder, said plate having slots at its upper end and a slot in said extension, a webbing threaded through the slots at the upper end of the plate extending down along the rear face of the latter, under the exten- 110 sion, over the deflected part and through the slot in the extension, the end of the webbing terminating between the lower part of the plate and the intermediate part of the web-

tending clamping portion, ears on the plate having guide-slots therein, a clamping member provided with pintles guided in the slots, 125

said lever, the latter pivotal connection in the closed position of the clasp being beyond the plane of the clamping member whereby said lever will be locked in closed position against lengthwise strain on the clamping member, substantially as described.

In testimony whereof we have signed our signed our said lever, the latter pivotal connection in the presence of two subscribing witnesses.

HERBERT C. GILES.

WILLIAM WALLACE WHITE.

Witnesses:

ELLA L. GILES,

JOHN A. PERCIVAL.