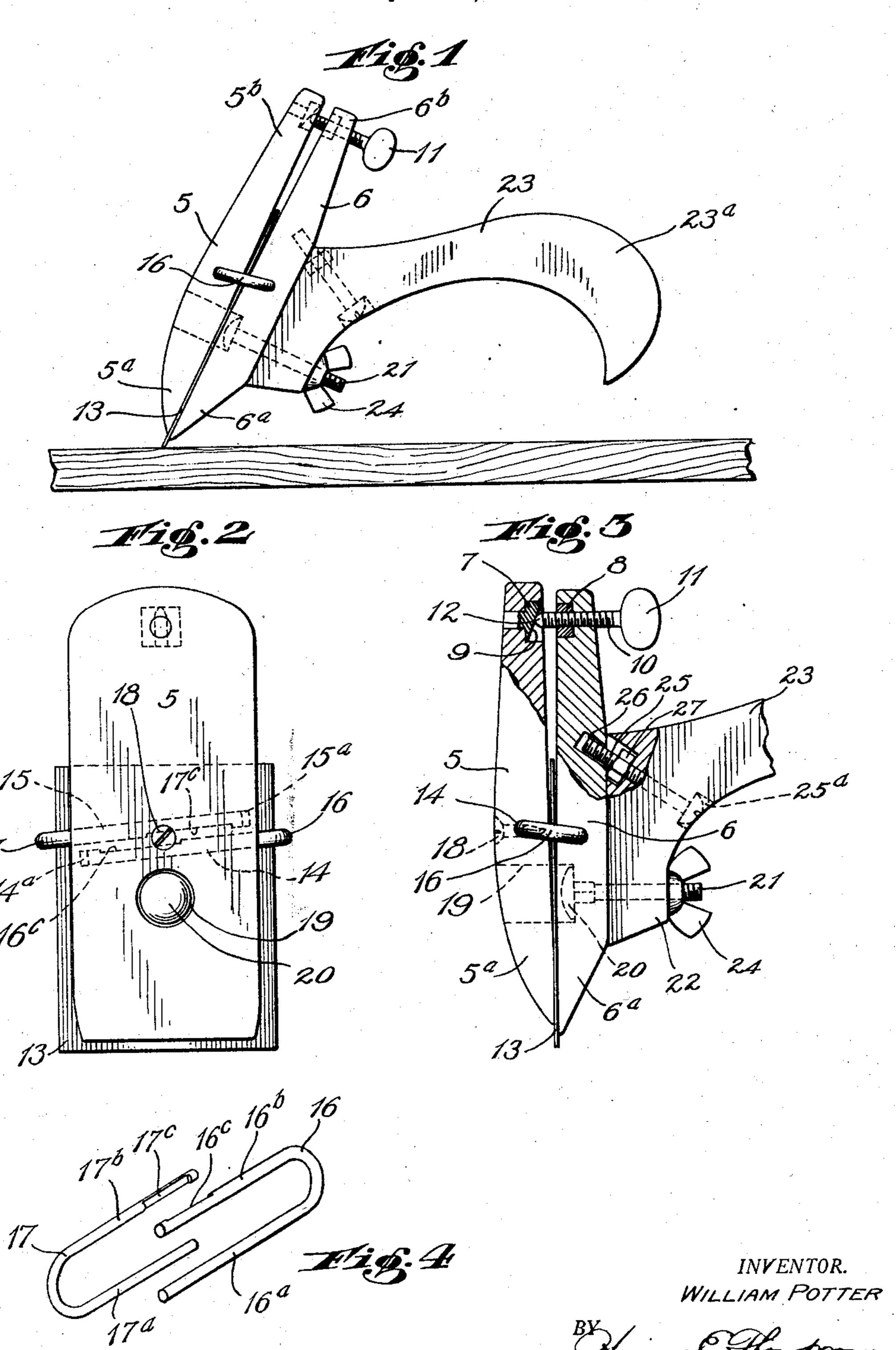
SCRAPER

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## UNITED STATES PATENT OFFICE

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SCRAPER

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This invention relates to scrapers and par-eled face 9 of the block 7 so as to maintain ment thereof over a surface to be scraped; scraper blade 13 within and between the jaw 5 and the object of the invention is to provide members. 10 jaws; a further object being to provide means 14 being controlled from the right hand side 60 <sup>15</sup> vide a handle member detachably coupled indicated at 15° and similar bores are formed 65 with one of said jaws and disposed angular- in the jaw member 6. ly with reference thereto to facilitate the U-shaped coupling and spacing pins 16 movement of the tool with reference to a and 17 are employed for coupling the memworkpiece; and with these and other objects bers 5 and 6 together and also to cooperate <sup>20</sup> in view, the invention consists in a tool of with the side edges of the scraper tool 13 to 70 is simple in construction, efficient in use and members 5 and 6. The lower ends 162-172 and claimed.

lowing specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the <sup>30</sup> views, and in which:

Fig. 1 is a side view of the tool illustrating the position assumed thereby when in use.

Fig. 2 is a face view of the tool.

Fig. 3 is a view similar to Fig. 1 showing 35 only a part of the construction and with parts in section; and,

Fig. 4 is a perspective detail view of two

parts of the tool detached.

In carrying my invention into effect, I ends of said jaw members are two blocks 7 ber 23 and clamped to the jaw member 6 by 95 its outer end and the inner end 12 being coni- the members 5 and 6 but by providing the cal in form or rounded to ride upon the bev- aperture 19, the handle member may be at- 100

ticularly to the provision of a tool for sup- the jaw ends 5°-6° in substantially parallel porting scraper blades to facilitate the move-relation in the operation of clamping a

a tool of the class specified comprising two The jaw member 5 has two angularly disjaw members with means disposed centrally posed bores 14 and 15 arranged transversely thereof for coupling the same together and thereof and in spaced parallel relation as for retaining a blade in alinement within the clearly seen in Fig. 2 of the drawing, the bore at the free end portion of the tool for con- of the member 5 and terminating short of the trolling the movement of the jaws toward other side as indicated at 14a, whereas the and from each other in clamping a blade bore 15 is controlled from the left hand side therebetween; a further object being to pro- and terminates short of the right hand side as

the class and for the purpose specified which properly align the same in and between the which is constructed as hereinafter described of said pins operate in the bores 14-15 of the member 6 whereas the other ends 16b—17b The invention is fully disclosed in the fol- operate in the bores 14—15 of the member 5. 75 The adjacent surfaces at the free ends of the ends 16b-17b are cut out to form keyways 16°—17° in connection with which a set screw 18 arranged in the part 5 is adapted to operate so as to retain the pins 16 and 17 in different 80 positions of adjustment laterally with respect to the members 5 and 6. Said screw also prevents accidental displacement of said pins 16 and 17, it being understood however that by removing the screw 18 the pins 16 85 and 17 may be removed so as to separate the Jaw members 5 and 6. The member 5 has a comparatively large aperture 19 arranged outwardly of the pins 16 and 17 through provide two substantially similar jaw mem- which the head 20 of a bolt 21 is free to pass, 90 bers 5 and 6, the inner adjacent surfaces of said head being countersunk in the inner face which are relatively flat and parallel at the of the jaw member 6 and projecting through jaw ends 5°-6° and flared slightly at the free the surface thereof and adapted to be passed ends 5<sup>b</sup>-6<sup>b</sup>. Countersunk in the last named through an angular leg 22 on a handle memand 8, the block 7 having a beveled face 9. a winged nut 24. The aperture 19 in the and the block 8 being threaded to receive a member 5 is not absolutely essential as the clamp screw 10 having a winged head 11 at bolt 21 may be assembled before assembling

jaw members 5 and 6.

of which is adapted to enter an aperture 26 in of said jaw members and movable laterally 70 the member 6 to prevent rotation of the han- with respect thereto. dle member with respect to said member 6. 2. A scraper comprising two jaw members, At the same time, the bolt 25 serves to rein- means arranged centrally of the opposite force that part of the handle member through sides of said jaw members for coupling the 10 which it is passed, the head 25° of the bolt same together, jaws at one end of said mem- 75 being preferably countersunk and a nut 27 is bers, means at the other end thereof conalso countersunk in the inner face of the han-trolling the movement of said jaws relatively dle member as clearly seen in Fig. 3. The to each other to clamp a body within and beouter or free end of the handle member 23 tween the same, said first named means com-15 has a hand grip 23a whereby the tool may be prising yoke-shaped pins engaging both of 80 comfortably supported in the hand in such said jaw members and adjustable laterally

20 it will be understood that scraper blades of of adjustment. any length up to the largest size may be ar- 3. A scraper comprising two jaw mem-5 and 6.

In Fig. 2 of the drawing, it will be under- dental displacement of said pins therefrom. 100 on the block 7.

not necessarily limited to these details and of said jaw members. advantages.

60 ters Patent, is:

65 bers, means at the other end thereof control- of different widths and to cooperate with 130

tached and detached without separating the ling the movement of said jaws relatively to each other to clamp a body within and be-Arranged in the handle member 23 is a tween the same, and said first named means key pin in the form of a bolt 25, the free end comprising coupling elements engaging both

manner as to facilitate the movement of the with respect thereto, and means in one of tool over a surface to be scraped. said jaw members engaging both of said pins By providing a tool of the class described, for retaining the same in different positions

ranged within and between the unobstructed bers, means arranged centrally of the opposurfaces of the jaw members 5 and 6, the site sides of said jaw members for coupling screw 10 limiting the height of the blade, and the same together, jaws at one end of said 25 it will be understood that the free cutting members, means at the other end thereof con-90 edge of the blade may project from the jaws trolling the movement of said jaws relatively 5ª—6ª to any desired extent depending upon to each other to clamp a body within and the desires of the workman or the nature of between the same, said first named means the work being scraped. At the same time, comprising yoke-shaped pins engaging both 30 the pins 16 and 17 may be adjusted to engage of said jaw members and adjustable later- 95 the side edges of blades of different widths ally with respect thereto, and means in one so as to prevent any possible shifting of the of said jaw members engaging both of said blade within and between the jaw members pins for retaining the same in different positions of adjustment and for preventing acci-

stood that the tool is shown supporting a rela- 4. A scraper comprising two jaw memtively narrow blade, the pins 16 and 17 being bers, means arranged centrally of the oppocapable of wide extension with respect to the site sides of said jaw members for coupling members 5 and 6. It will also be understood the same together, jaws at one end of said that in clamping the blade 13 within and members, means at the other end thereof con- 105 between the jaw members 5 and 6, said jaw trolling the movement of said jaws relatively members are capable of longitudinal move- to each other to clamp a body within and ment with respect to each other in order to between the same, said first named means maintain the comparatively long bearing sur- comprising yoke-shaped pins engaging both 45 faces of the jaws 5ª-6ª in clamping engage- of said jaw members and adjustable later- 110 ment with the blade 13, and this operation ally with respect thereto, means in one of is facilitated by virtue of the beveled face 9 said jaw members engaging both of said pins for retaining the same in different positions It will be understood that while I have of adjustment and for preventing accidental 50 shown certain details of construction for displacement of said pins therefrom, and a 115 carrying my invention into effect, that I am handle member detachably coupled with one

various changes therein and modifications 5. A scraping tool of the class described thereof may be made within the scope of the comprising two substantially similar jaw 55 appended claims without departing from members within and between which a scraper 120 the spirit of my invention or sacrificing its blade is adapted to be supported, the inner adjacent faces of said jaw members being Having fully described my invention, what unobstructed to receive plates of different I claim as new and desire to secure by Let- lengths and widths, yoke-shaped pins for coupling said jaw members together, the 125 1. A scraper comprising two jaw mem- crossheads of said pins being disposed at bers, means arranged centrally of the opposite opposite sides of the jaw members, and said sides of said jaw members for coupling the pins being movable laterally with respect same together, jaws at one end of said mem- to said jaw members to compensate for blades

the side edges of the blade mounted in the blade is adapted to be supported, the inner tool.

comprising two substantially similar jaw lengths and widths, yoke-shaped pins for members within and between which a scraper coupling said jaw members together, the 70 blade is adapted to be supported, the inner crossheads of said pins being disposed at adjacent faces of said jaw members being opposite sides of the jaw members, said pins unobstructed to receive plates of different being adjustable laterally with respect to lengths and widths, yoke-shaped elements said jaw members to compensate for blades for coupling said jaw members together, the of different widths and to cooperate with the 75 crossheads of said elements being disposed side edges of the blade mounted in the tool, at opposite sides of the jaw members, said means for retaining said pins in different elements being adjustable laterally with re- positions of adjustment, a clamp screw in spect to said jaw members to compensate for screw threaded engagement with one of said 15 blades of different widths and to cooperate jaw members and cooperating with the other 80 with the side edges of the blade mounted in jaw member in clamping a blade within and the tool, and means for retaining said ele- between said jaw members, said last named

20 comprising two substantially similar jaw a handle member detachably coupled with 85 members within and between which a scraper one of said jaw members. blade is adapted to be supported, the inner 10. A scraping tool of the class described 25 lengths and widths, yoke-shaped elements blade is adapted to be supported, the inner 90 30 spect to said jaw members to compensate crossheads of said pins being disposed at op- 35 in the tool, means for retaining said elements jaw members to compensate for blades of difin different positions of adjustment, and a ferent widths and to cooperate with the side 35 clamp screw in screw threaded engagement edges of the blade mounted in the tool, means 100 with one of said jaw members and cooperating with the other jaw member in clamping a blade within and between said jaw members.

8. A scraping tool of the class described comprising two substantially similar jaw members within and between which a scraper blade is adapted to be supported, the inner adjacent faces of said jaw members being 45 unobstructed to receive plates of different key-pin cooperating with one of said jaw 110 coupling said jaw members together, the member in connection therewith. crossheads of said pins being disposed at 11. A scraping tool of the class described opposite sides of the jaw members, said pins 50 being adjustable laterally with respect to said jaw members to compensate for blades of different widths and to cooperate with the side edges of the blade mounted in the tool, unobstructed to receive plates of different means for retaining said pins in different lengths and widths, yoke-shaped pins for 55 positions of adjustment, a clamp screw in screw threaded engagement with one of said jaw members and cooperating with the other jaw member in clamping a blade within and between said jaw members, and said last 60 named jaw member having a beveled surface in connection with which said screw operates.

comprising two substantially similar jaw in screw threaded engagement with one of members within and between which a scraper said jaw members and cooperating with the 120

adjacent faces of said jaw members being 6. A scraping tool of the class described unobstructed to receive plates of different ments in different positions of adjustment. jaw member having a beveled surface in con-7. A scraping tool of the class described nection with which said screw operates, and

adjacent faces of said jaw members being comprising two substantially similar jaw unobstructed to receive plates of different members within and between which a scraper for coupling said jaw members together, the adjacent faces of said jaw members being crossheads of said elements being disposed unobstructed to receive plates of different at opposite sides of the jaw members, said lengths and widths, yoke-shaped pins for elements being adjustable laterally with re- coupling said jaw members together, the for blades of different widths and to cooper- posite sides of the jaw members, said pins ate with the side edges of the blade mounted being adjustable laterally with respect to said for retaining said pins in different positions of adjustment, a clamp screw in screw threaded engagement with one of said jaw members and cooperating with the other jaw member in clamping a blade within and between said 105 jaw members, said last named jaw member having a beveled surface in connection with which said screw operates, a handle member for said tool, and means involving a bolt and lengths and widths, yoke-shaped pins for members for detachably coupling the handle

comprising two substantially similar jaw members within and between which a scraper 115 blade is adapted to be supported, the inner adjacent faces of said jaw members being coupling said jaw members together, the 320 crossheads of said pins being disposed at opposite sides of the jaw members, said pins being adjustable laterally with respect to said jaw members to compensate for blades of different widths and to cooperate with 125 the side edges of the blade mounted in the tool, means for retaining said pins in differ-9. A scraping tool of the class described ent positions of adjustment, a clamp screw

other jaw member in clamping a blade within and between said jaw members, and said pins permitting longitudinal movement of said jaw members with respect to each other in clamping a blade within and between the same.

bers, means arranged centrally of said jaw members for coupling the same to permit relative movement of the end portions of said jaws, a clamp screw in threaded engagement with one end of one jaw member, a block having a beveled surface arranged in the corresponding end of the other jaw member and in connection with which said screw operates to move the other ends of said jaw members toward and from each other to clamp the

blade within and between the same.

13. A scraper comprising two jaw mem-20 bers, means arranged centrally of said jaw members for coupling the same to permit relative movement of the end portions of said jaws, a clamp screw in threaded engagement with one end of one jaw member, a block hav-25 ing a beveled surface arranged in the corresponding end of the other jaw member and in connection with which said screw operates to move the other ends of said jaw members toward and from each other to clamp the 30 blade within and between the same, and means for attaching a handle to one of said jaw members comprising a screw countersunk in one of said jaw members and projecting through the outer surface thereof.

14. A scraper comprising two jaw members, means arranged centrally of said jaw members for coupling the same to permit relative movement of the end portions of said jaws, a clamp screw in threaded engagement with one end of one jaw member, a block having a beveled surface arranged in the corresponding end of the other jaw member and in connection with which said screw operates to move the other ends of said jaw members 45 toward and from each other to clamp the blade within and between the same, means for attaching a handle to one of said jaw members comprising a screw countersunk in one of said jaw members and projecting 50 through the outer surface thereof, and the other jaw member being apertured to permit the attachment and detachment of said screw without separating said jaw members one from the other.

In testimony that I claim the foregoing as my invention I have signed my name this 12th day of April, 1930.

WILLIAM POTTER.

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