Search history

Search 1: [SP]: Scaffolding of Load for Construction with accessories, CHARACTERIZED BECAUSE it is conformed by modules where: The first module or base (1) comprises: vertical parales (8) in tube, having at each end: a square plate (9); two rings (10) equidistant to each end of the paral (8), for a total of four rings per paral (8), with two holes (11) for each ring, and two taches or stops (12) for a total of four taches (12) per paral (8); horizontal tubes (13) are passed through the rings (10) of the parales (8) which are secured with a rod pin (15) in L oriented perpendicularly towards the interior of the module, which is crossed by the two perforations (14) carrying the tubes (13) at each end; some crosspieces (16) at an angle with perforations at the ends to be crossed by the metal taches (12); a coupling (19) in a tube with a diameter smaller than the diameter of the parales (8) having a plate (35) in the center, to be inserted in the upper end of the paral (8) having the plate (9), and coupling by the lower end of the paral (8) of the following module; and so on, until reaching the necessary height; a ladder (20) carrying semicurved rods (21) at the upper end to support it on the horizontal tube (13); and a metal platform (3), with semi-curved rods (22) at the ends for support on the horizontal tubes (13) and anti-tilt rod (24); The second module (2) in addition to the parts mentioned in subparagraphs b), c), d) and f) of the module (1) comprises: tubes in tube (43), which have in the upper part a leveling screw (4), the rings (10), the rod pin (15), the stop (12) and the plate (44) in the part lower; tubes flutes (17) carrying a stage (26) at one end with perforations (27) on its surface and smaller diameter than the paral (43), which are located at the upper end of the latter for! (43), a stop (25), and a pin (18); a metal truss (30); a start coupling (31) where the long railing (28) and the short railing (29) are coupled; a platform or stretcher (36) in wood; some spacers (37) horizontal; and skirting boards (40) long and short; an anchoring tube (41) from the paral (8) to the fixed structure of the wall. The third module (42) comprises: long rails (28) having loops (32), the small tube (33) and the perforated plates (34); and short handrails (29) with clips (32), the small tube (33) and the perforated plates (34). (Results 0)

Search 2: [SP]: Scaffolding of Load for Construction with accessories, CHARACTERIZED BECAUSE it is conformed by modules where: The first module or base (1) comprises: vertical beam (8) in tube, having at each end: a square plate (9); two rings (10) equidistant to each end of the paral (8), for a total of four rings per paral (8), with two holes (11) for each ring, and two taches or stops (12) for a total of four taches (12) per paral (8); horizontal tubes (13) are passed through the rings (10) of the beams (8) which are secured with a rod pin (15) in L oriented perpendicularly towards the interior of the module, which is crossed by the two perforations (14) carrying the tubes (13) at each end; some crosspieces (16) at an angle with perforations at the ends to be crossed by the metal taches (12); a coupling (19) in a tube with a diameter smaller than the diameter of the parales (8) having a plate (35) in the center, to be inserted in the upper end of the beam (8) having the plate (9), and coupling by the lower end of the beam (8) of the following module; and so on, until reaching the necessary height; a ladder (20) carrying semicurved rods (21) at the upper end to support it on the horizontal tube (13); and a metal platform (3), with semi-curved rods (22) at the ends for support on the horizontal tubes (13) and anti-tilt rod (24); The second module (2) in addition to the parts mentioned in subparagraphs b), c), d) and f) of the module (1) comprises: tubes in tube (43), which have in the upper part a leveling screw (4), the rings (10), the rod pin (15), the stop (12) and the plate (44) in the part lower; tubes flutes (17) carrying a stage (26) at one end with perforations (27) on its surface and smaller diameter than the paral (43), which are located at the upper end of the latter for! (43), a stop (25), and a pin (18); a metal truss (30); a start coupling (31) where the long railing (28) and the short railing (29) are coupled; a platform or stretcher (36) in wood; some spacers (37) horizontal; and skirting boards (40) long and short; an anchoring tube (41) from the beam (8) to the fixed structure of the wall. The third module (42) comprises: long rails (28) having loops (32), the small tube (33) and the perforated plates (34); and short handrails (29) with clips (32), the small tube (33) and the perforated plates (34). (Results 0)

Search 3: SFT=(scaffolding tube perforation graduation plate) (Results 0)

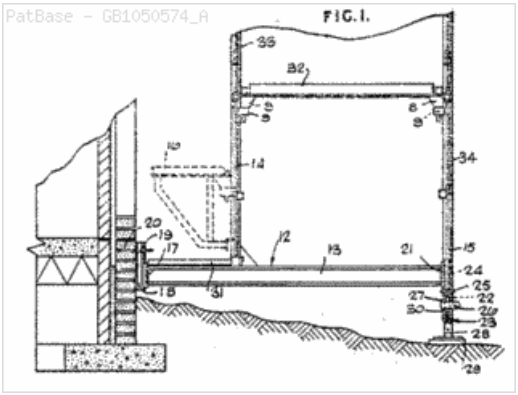
Search 4: SFT=(scaffolding ring shackle) (Results 0)

Search 5: SFT=(scaffolding) (Results 45146)

1) Family number: 23106388 (GB1050574A)

Title:	Scaffolding.
Family:	**Publication number** / **Publication date** / **Application number** / **Application date** GB1050574 A / 00000000 / / 00000000
International class (IPC 8-9):	E04G5/02 (Advanced/Invention); E04G5/00 (Core/Invention)
International class (IPC 1-7):	E04G5/02
CPC:	E04G5/02
European class:	E04G5/02
Classification Explorer	
Forward Citations:	US3490559,

Abstract:
1,050,574. **Scaffolding**. KWIKFORM Ltd. April 10, 1964 [April 16, 1963], No. 14757/63. Heading E1S. A **scaffold** is mounted on base members 13 each supported on a wall 10 at one end and an adjustable foot 23 at the other. The member 13 is welded to a plate 20 engaging between bricks of the wall. The **scaffold** tubes 34 have spigot and socket connection 8, 9 with transoms 32. In a modification, Fig. 3 (not shown) the base member is mounted on a triangular frame. The adjustable foot has pin and hole and screw adjustment.



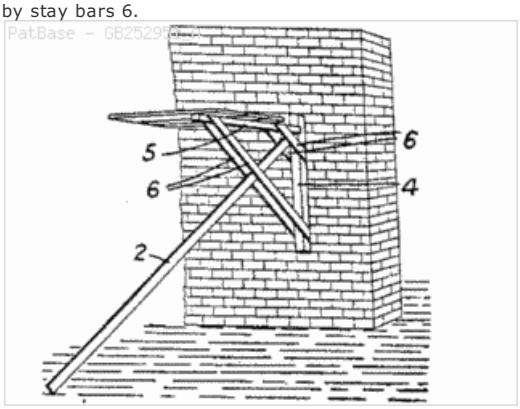
2) Family number: 18240425 (GB252951A)

Title: Simpson, T.

Family:

Publication number	Publication date	Application number	Application date
GB252951 A	00000000		00000000

Abstract:
252,951. Simpson, T., and Thompson, J. Sept. 12, 1925. Brackets, securing.-A wall bracket for use as a **scaffold** support is held against the wall by a strut 2 which passes between the stay bars 6 of the bracket and is thus prevented from accidental displacement. The bracket comprises rightangled portions 4, 5 connected by stay bars 6.



3) Family number: 18733942 (GB320353A)

Title: Moulds.-Large brickwork or concrete wall slabs, which are reinforced with vertical tubes which receive dowels and screws for...

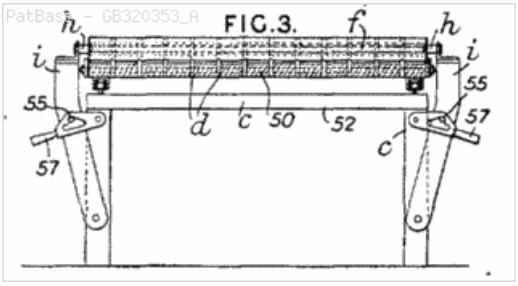
Family:

Publication number	Publication date	Application number	Application date
GB320353 A	00000000		00000000

International class (IPC 1-7): E04B2/02 E04C1/39 E04C2/46

Forward Citations: GB2161512, GB2159552,

Abstract:
320,353. Dyke, H. June 2, 1928. Moulds.-Large brickwork or concrete wall slabs, which are reinforced with vertical tubes which receive dowels and screws for lifting, are made up on a frame c, Fig. 3, movable on a table 52 and consisting of planks 50 and spacing bars d, e between which the bricks are laid. Metal 'tubes f, restricted at intervals, are threaded through the bricks and held by studs h, and'the joints are grouted with cement. The studs h are mounted on pivoted arms i which are locked by slotted levers 57 and pins 55. The concrete slabs are made in a similar mould frame and are reinforced by a framework consisting of tubes and Z or other section bars.



4) Family number: 21843544 (GB1143662A)

Title: Stud and socket fasteners.

Family:

Publication number	Publication date	Application number	Application date
GB1143662 A	00000000		00000000

International class (IPC 8-9): E04G7/30 (Advanced/Invention); E04G7/00 (Core/Invention)

International class (IPC 1-7): E04G7/30

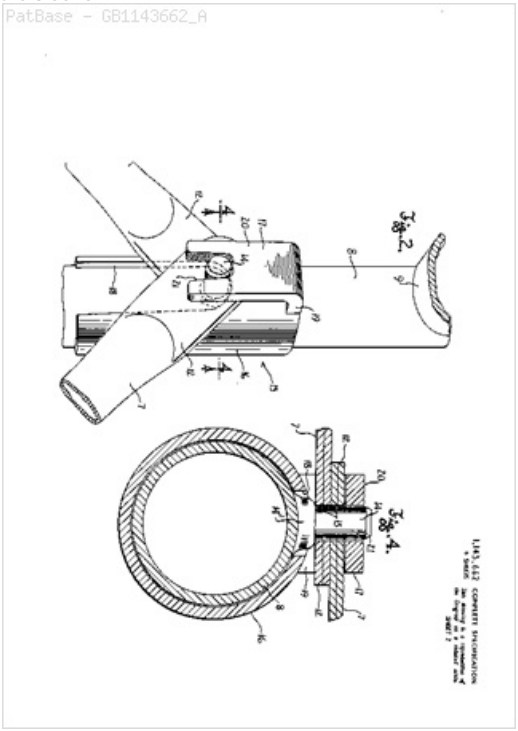
CPC: E04G7/305

European class: E04G7/30C2C

Classification Explorer

Forward Citations: GB2195696, GB2127124,

Abstract:
1,143,662. Stud and socket fasteners. T. C. JUCULANO. 23 June, 1966 [30 June, 1965], No. 28180/66. Headings E1S and E2B. A connector for detachably securing an apertured end portion 12 of a brace 7 to a post 8 comprises a pin 14 fixed to the side of the post and projecting substantially perpendicularly therefrom to enter and pass through the hole in the apertured end of the brace, a sleeve 16 slidable axially on the post and a bifurcated arm 17 fixed to the sleeve with its bifurcated end portion 20 spaced from the post to accommodate the apertured end portion of the brace when the latter is impaled upon the pin, so that upon movement of the sleeve into a position at which the bifurcated end portion of the arm embraces the pin, the brace is secured to the post. In the construction shown the sleeve has a longitudinally extending slot 18 to receive the pin and thereby hold the sleeve against rotation about the post, the slot being in line with the bifurcated end portion of the arm. The distance between the arm and the sleeve can be sufficient to accommodate the apertured ends of the two braces. In a modification a bridging member is secured to the sleeve across the open end portion of its slot 18 and a clamping screw is threaded into the bridging member so that it can bear against the adjacent side of the post and thus prevent movement of the sleeve.



5) Family number: 21938748 (DE1210655A)

Family:	Publication number	Publication date	Application number	Application date
	DE1210655 A	00000000		00000000

International class (IPC 1-7): C23C1/14 F27B14/14

European class: C23C2/00B

Classification Explorer

Abstract:
Source: DE1210655A [DE] (Claim 1) 1. Heizdeckel fuer von oben zu beheizende Me tallbaeder; insbesondere Verzinkungs-.und-Alumi- nierungsoefen, bestehend aus einem Profilstahl! rahmen und einem Geruest mit vorzugsweise quer zur Laengserstreckung des Rahmens angeordneten Boegen oh. ae. und- diese miteinander verbindender less than Laengsstreben als Traeger fuer eine gewoelbeartige, feuerfeste Ausmauerung, die vorzugsweise an den Aussenseiten mit einer Isolierschicht und einer, ueber letztere. angeordneten Blechverkleidung um huellt ist; dadurch gekennzeichnet; dass das:als Versteifung des Tragrahmens (3/5) die nende Geruest unterhalb der Blechverkleidung (10) in die Isolierschicht (9) des Heizdeckels ein gebettet ist.

Machine translation: (claim 1) 1 Lid to be heated from above tallbaeder for me, especially galvanizing.and nierungsoefen-aluminum, consisting of a steel profile! frame and a **scaffold** with preferably perpendicular to the frame Laengserstreckung arranged arches oh. ae. and interconnecting them less than Laengsstreben as carriers for a gewoelbeartige, refractory lining, preferably on the outside with a layer of insulation and, over the latter. arranged sheet cover is wrapped around; characterized; that: as a stiffening of the supporting frame (3/5) designating the **scaffolding** underneath the sheet metal cover (10) in the insulating layer (9) of the heated lid a is embedded.

6) Family number: 36799320 (GB189807578A)

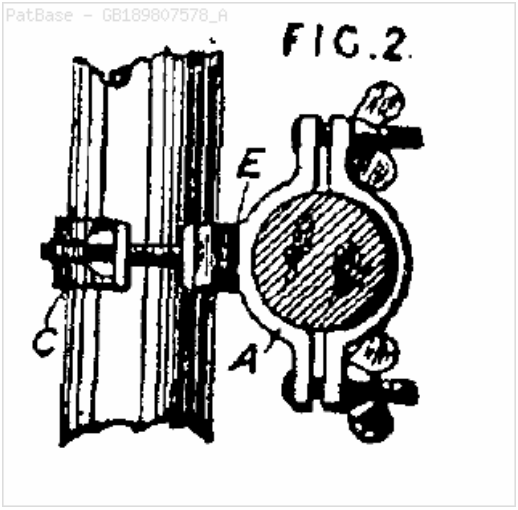
Title:	Improvements in Apparatus or Appliances to be used in Place of Rope for Lashing Scaffolding Poles, Ledgers or the like.
Priority:	18980329

Family:

Publication number	Publication date	Application number	Application date
GB189807578 A	18981008		00000000

Probable Assignee:	CAMPBELL PETER
Assignee(s):(std)**:**	CAMPBELL PETER ; MILLS JOSHUA GEORGE
Assignee(s):	JOSHUA GEORGE MILLS ; PETER CAMPBELL
Inventor(s):(std)**:**	CAMPBELL PETER ; MILLS JOSHUA GEORGE
Inventor(s):	PETER CAMPBELL ; JOSHUA GEORGE MILLS

Abstract:
7578. Mills, J. G., and Campbell, P. March 29. **Scaffolding**.-Two clips A, C, preferably roughened inside or provided with teeth to grip the poles, are pivoted together at E so that they can be used for connecting poles at any required angle. One clip may be in the form of a socket to receive the end of a ledger, or the bottom end of a superimposed **scaffolding** pole, and may be provided with a bracket or arm adapted to bear against the side of the lower supporting-pole. The clips may be made of rectangular shape when they are required to connect poles of rectangular shape in cross-section.



7) Family number: 36797711 (GB189728140A)

Title:	Improved Means for Securing Scaffolding Poles together.
Priority:	18971130

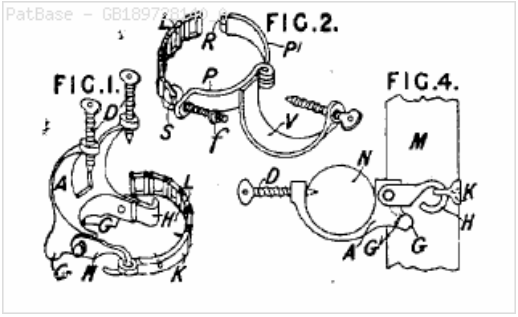
Family:

Publication number	Publication date	Application number	Application date
GB189728140 A	18981029		00000000

Probable Assignee:	HUNNABLE ARTHUR
Assignee(s):(std)**:**	HUNNABLE ARTHUR ; HUNNABLE WALTER
Assignee(s):	ARTHUR HUNNABLE ; WALTER HUNNABLE
Inventor(s):(std)**:**	HUNNABLE ARTHUR ; HUNNABLE WALTER
Inventor(s):	WALTER HUNNABLE ; ARTHUR HUNNABLE

Abstract:

28,140. Hunnable, W., and Hunnable, A. Nov. 30. **Scaffolding**.-Fig. 1 shows a perspective view, and Fig. 4 an elevation, of one form of connection for **scaffolding** poles, and Fig. 2 shows a modification. A forked bracket A provided with pivoted hooks H, H is secured to an upright pole M by a spiked band K and chain L, and supports a horizontal pole N. Knuckles G of the bracket bear against the pole M and act as a lever fulcrum, and spikes G' are forced into the pole by the weight of the staging. Two horizontal poles may be secured end to end in the bracket A by the clamping-screws D. In the modification shown in Fig. 2, two segmental bands P, P are pivoted together and connected to the chain L by a screwed hook S and a hook R. The bands and chain are tightened on the pole by a nut f on the screwed hook. A segmental socket V is fixed or pivoted to the band P so as to support a horizontal or inclined pole. To connect two vertical poles together two of the compound clamping-bands P, P', L are fixed rigidly together, and for connecting poles at an angle the bands are pivoted together.



8) Family number: 36853729 (GB190213493A)

Title:	Improvements in Holders for Securing Scaffolding Poles.
Priority:	19020614

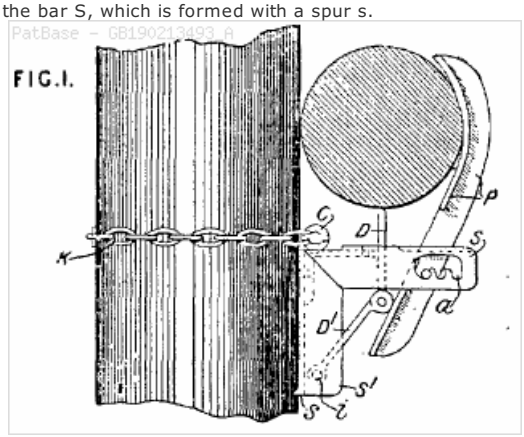
Family:

Publication number	Publication date	Application number	Application date
GB190213493 A	19020717		00000000

Probable Assignee:	STEFFGEN CARL
Assignee(s):(std)**:**	STEFFGEN CARL
Assignee(s):	CARL STEFFGEN
Inventor(s):(std)**:**	STEFFGEN CARL
Inventor(s):	CARL STEFFGEN

Abstract:

13,493. Steffgen, C. June 14. **Scaffolding**.-The horizontal pole or ledger is held in position against the vertical pole by a lever P, which is pivoted adjustably in slotted bearings a of a bracket, and is forced inwards by the weight of the **scaffolding** acting through toggle links D, D'. A bracket is formed of two parts S, S of channel, angle, or T-iron, jointed together at C so that the part S' can turn up and fold over the part S when not in use, and is secured to the pole by a chain K, or rope. The link D moves freely up and down in a slot in the bar S, and the link D' is pivoted at i to the bar S, which is formed with a spur s.



9) Family number: 36851168 (GB190201461A)

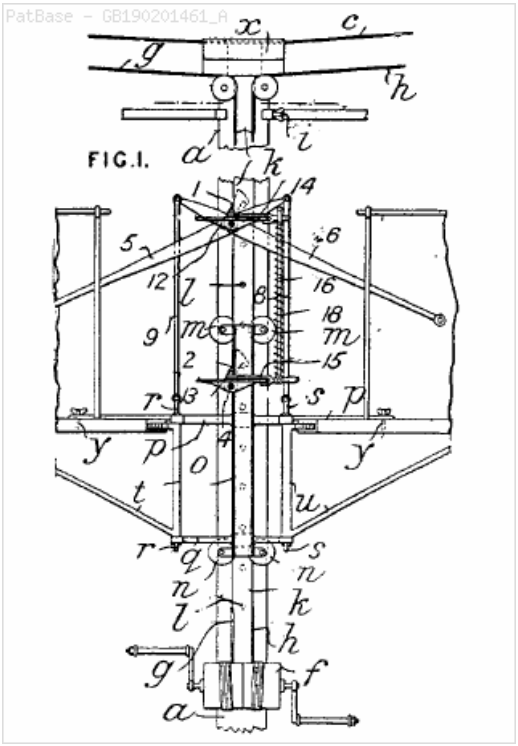
Title:	Improvements in and relating to Scaffolding.
Priority:	19020118

Family:

Publication number	Publication date	Application number	Application date
GB190201461 A	19021002		00000000

Probable Assignee:	KRUSE MADS
Assignee(s):(std)**:**	KRUSE MADS
Assignee(s):	MADS KRUSE
Inventor(s):(std)**:**	KRUSE MADS
Inventor(s):	MADS KRUSE
Forward Citations:	US2890082, US2828166,

Abstract:
1461. Kruse, M. Jan. 18. **Scaffolding** and staging.-Two movable platforms are fixed to brackets t, u adapted to turn on vertical bolts r, s between crossbars p, q, and can be raised and lowered on a hollow post a by levers 5, 6. The post, with the platforms, can be moved sideways, on a horizontal rope c stretched along the wall, by winding-drums f and ropes g, h. To allow for the adjustment of the platforms on the bolts r, s, they are formed with a number of holes y to receive bolts passing through the cross-bar p. The cross-bars p, q are fixed to a channel-iron bar o carrying rollers m, n which run on a guiderail h fixed to the post. Hooks 1, 2, carried by the lever pivot and bar o, engage with pins l projecting from the bar k, and are raised and lowered alternately when the platforms are raised and lowered. The levers are connected to the bolts r, s by links 8, 9, and the pivots of the hooks 1, 2 are connected by flanged semicircular plates 12, 13, hooked rods 14, 15 pivoted to the plates, and a vertical rod 16 which is pivoted to the rod 15 and is slotted to receive the end of the rod 14. A spring 18 on the rod 16 is attached to the rods 14, 15, and causes the hooks to engage automatically with the pins l when the levers are moved to raise or lower the platforms. In lowering the platforms, the rods 14, 15, 16 are swung over to the left to cause the spring to disengage the hooks from the pins, and in raising the platforms, the rods are moved to the right, as shown in the Figure. The core within the post a is formed of two wedge-shaped parts connected by iron bands, and carries a hook x which fits over the rope c. A bracket or strut adapted to bear against the wall is secured to the post by a bolt i.



10) Family number: 36879637 (GB190403361A)

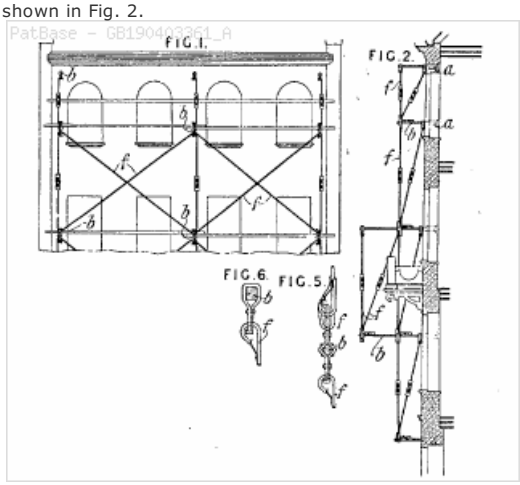
Title:	Improvements in Scaffolding.
Priority:	19040210

Family:

Publication number	Publication date	Application number	Application date
GB190403361 A	19041020		00000000

Probable Assignee:	MACHARACECK THEODOR
Assignee(s):(std)**:**	MACHARACECK THEODOR
Assignee(s):	THEODOR MACHARACECK
Inventor(s):(std)**:**	MACHARACECK THEODOR
Inventor(s):	THEODOR MACHARACECK

Abstract:
3361. Macharaceck, T. Feb. 10. **Scaffolding**. - A **scaffolding** frame consists of rods b screwed into sockets a in the building front and supported by ties and struts f, preferably arranged as shown in Figs. 1 and 2. The ties and struts may be connected to t h e bars b, either directly, or by couplings, s h o w n in Figs. 5 and 6, which may be a djustable. The **scaffolding** for the projecting parts of buildings, such as balconies, is similarly supported, as shown in Fig. 2.



11) Family number: 36884449 (GB190414292A)

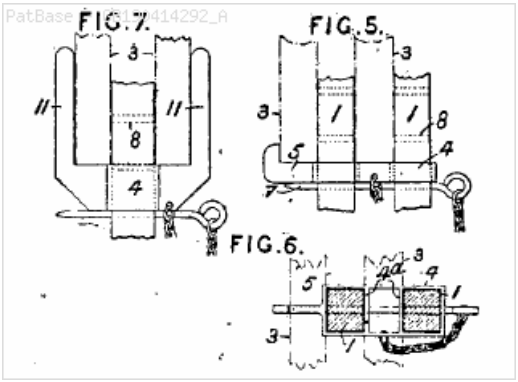
Title:	Improved Scaffolding for use for Building and similar Operations.
Priority:	19040625

Family:

Publication number	Publication date	Application number	Application date
GB190414292 A	19050413		00000000

Probable Assignee:	MILLS HENRY
Assignee(s):(std)**:**	MILLS HENRY
Assignee(s):	HENRY MILLS
Inventor(s):(std)**:**	MILLS HENRY
Inventor(s):	HENRY MILLS
Forward Citations:	US3601224,

Abstract:
14,292. Mills, H. June 25. **Scaffolding** and staging.-In easily-adjustable and portable **scaffolding** c. for plasterers' use c., vertical standards 1, Figs. 5 and 6, perforated at 8 and mounted in pairs on legs or a base, are provided with sliding frames 4, with transverse bars 4 and with or without upturned extensions 5, which rest on pins.7 and support building boards 3 placed edgewise. With single standards 1, the frames 4, Fig. 7, are provided with one or two upturned extensions 11 holding the boards 3. For greater convenience in transport, the supporting- legs of the standards may fold. The frames 4 may be supported by spring detents thereon engaging racks on the standards.



12) Family number: 36907291 (GB190523237A)

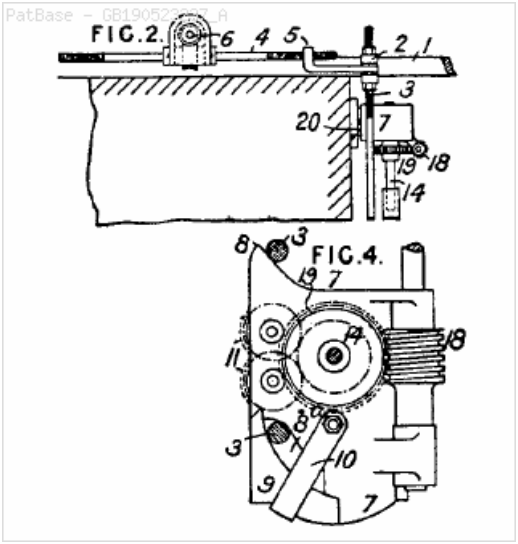
Title:	Improvements in and applicable to Scaffolding.
Priority:	19051113

Family:

Publication number	Publication date	Application number	Application date
GB190523237 A	19060719		00000000

Probable Assignee:	TUCK WILLIAM DANIEL
Assignee(s):(std)**:**	TUCK WILLIAM DANIEL
Assignee(s):	WILLIAM DANIEL TUCK
Inventor(s):(std)**:**	TUCK WILLIAM DANIEL
Inventor(s):	WILLIAM DANIEL TUCK

Abstract:
23,237. Tuck, W. D. Nov. 13. No Patent granted (Sealing fee not paid). **Scaffolding** and staging.-Relates to means for raising and lowering **scaffolding** upon chimneys. The **scaffolding** consists of putlogs 1, Fig. 2, fastened to the chimney by upper and lower bolts 3 passing through brackets 2, and by cross - bolts 4 fitted with oppositely-threaded screws at each end which engage with angle-pieces 5 held by the brackets 2. To adjust the height of the **scaffolding**, the upper portion 8 of a bracket 7, Fig. 4. is inserted under the up er bolt 3 t e bracket being retained by a block 9 inserted under the lower holt 3 and held by a clip 10. The bracke s 7 carry toothed wheels 11 dapted to engage with packing or toothed racks 20, Fig. 2, attached to the sides of the chimney, the engagement being effected by tightening the bolts 4. On rotating the shaft 14, Figs. 2 and 4, the wheels 11 are both caused to rotate in the same direction, raising or lowering the **scaffolding**. To prevent the **scaffolding** from falling, when loose, the brackets 7 and blocks 9 are formed with inclined faces 8, 8, against which the bolts 3 bear to force the brackets tightly against the chimney.



13) Family number: 36911448 (GB190603397A)

Title:	Improvements in Scaffolding
Priority:	19060212

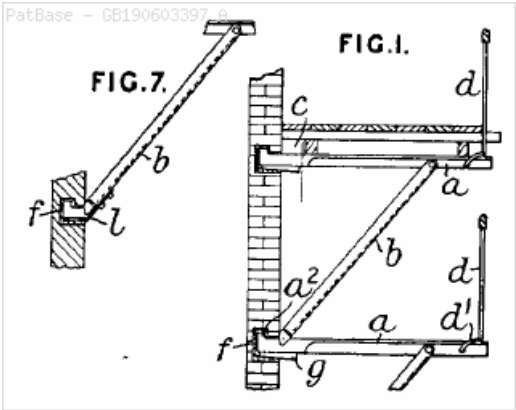
Family:

Publication number	Publication date	Application number	Application date
GB190603397 A	19061115		00000000

Probable Assignee:	SMYRK WILLIAM ADOLPHUS
Assignee(s):(std)**:**	SMYRK WILLIAM ADOLPHUS
Assignee(s):	WILLIAM ADOLPHUS SMYRK
Inventor(s):(std)**:**	SMYRK WILLIAM ADOLPHUS
Inventor(s):	WILLIAM ADOLPHUS SMYRK

Abstract:

3397. Smyrk, W. A. Feb. 12. Brackets.-A folding **scaffolding** for repairing buildings c. consists of rails a of T-iron fitting into metal sockets/ let into the wall, in which they are retained by projections a' engaging corresponding recesses in the sockets f and by wedges g. The rails a are supported by hinged struts b resting on corbels c also let into sockets f. The struts b, instead of resting on corbels c, may be fastened to bars l, Fig. 7. resting in the sockets f. According to the Provisional Specification, the **scaffolding** may be used for erecting temporary balconies, awnings, c.



14) Family number: 36944083 (GB190800610A)

Title:	Improvements in Appliances for use in Building Chimneys and the like.
Priority:	19040209

Family:

Publication number	Publication date	Application number	Application date
GB190800610 A	19080730		00000000

Probable Assignee:	WEIGHTMAN WILLIAM THOMAS
Assignee(s):(std)**:**	WEIGHTMAN WILLIAM THOMAS
Assignee(s):	WILLIAM THOMAS WEIGHTMAN
Inventor(s):(std)**:**	WEIGHTMAN WILLIAM THOMAS
Inventor(s):	WILLIAM THOMAS WEIGHTMAN

Abstract:
610. Weightman, W. T. Jan. 10. [Application for Patent of Addition to No. 3185, A.D. 1904.] No Patent granted (Sealing fee not paid). Scafolding.-Relates to the chimney **scaffolding** described in Specification No. 3185, A.D. 1904. In this **scaffolding**, the upper and lower frames are alternately clamped to and unclamped from the chimney, and are alternately raised and lowered so that the **scaffolding** is made to move step by step up or down the chimney. The object of this invention is to arrange the clamps and lifting-apparatus so that the **scaffolding** can be worked by two men instead of four. The upper and lower frames each comprise two oppositely-arranged girders a, and two beams b at right-angles to the girders. The girders and beams are connected together at the four corners by shoes c. Parallel with each girder a is a shaft d, Figs. 2, 3, and 4, which has right and left handed screw-threads. Each threaded end of the shaft works in a nut e formed on the shoe. A toothed wheel d' on the shaft d meshes with another wheel f slidingly mounted on the shaft f, which has at each end a bevel-wheel g meshing with another bevel-wheel i, which for the lower frame is fixed on a sleeve h, Fig. 3. The ends of the shaft h work in nuts h mounted in the shoes c. The nut h' has an extended portion h', over which the sleeve h is placed. The bevel-wheel i is held in gear with the wheel g by the engagement of a spring catch i on the sleeve h with grooves h in the nut extension h, the catch itself being held in engagement by a slip-ring i. By throwing the bevel-wheels i, g into gear and rotating the sleeve, the nut h' and shaft f are rotated. The shaft h being unable to rotate, the nut h and shoe c move along the shaft h, and at the same time the shoe also moves along the shaft f, so that the shoes become released from the chimney sides. For the upper frame, the bevel-wheel i is mounted as a rotating nut on the screwed shaft h, the sleeve h and nut h' being dispensed with, and by rotating either the shaft d or shaft f, the corner shoes are moved to unclamp or clamp against the chimney sides, as desired. The upper frame is connected to the lower frame by rods k, pivoted on the shoes of the lower frame and working through sockets l supported in bearings pivotally mounted on the upper shoes c. Each socket l is threaded to mesh with screw-threads on the corresponding rod k, and carries a bevel-wheel n, which meshes with a pinion o on a shaft actuated by a rope-wheel q. A rope q passes over two of these wheels on the same side of the chimney, and thence by intermediate guidepulleys r to the lower platform, or to the ground. When the **scaffolding** is to be raised, the lower frame is first loosened about the chimney, and the rope-wheels q are rotated to raise the lower frame, which is then clamped about the chimney. The upper frame is then loosened and the pulleys q are rotated in the opposite direction, whereby the upper frame is raised and is then clamped about the chimney. When the appliance is used for circular or polygonal chimneys, brackets are employed, each comprising two arms u, v, Fig. 6, between which are secured the shoes c. A third arm w serves to support the bracket. The arms are connected to a member s bearing against the chimney by ball-and-socket joints, and a roller x serves to facilitate the upward movement of each bracket when raising the frames.

FIG.2

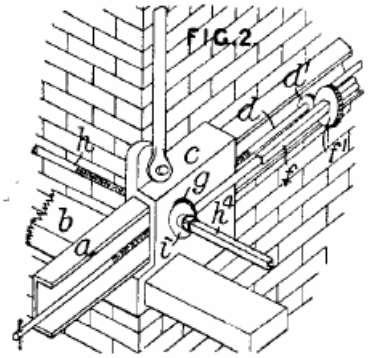


FIG.3.

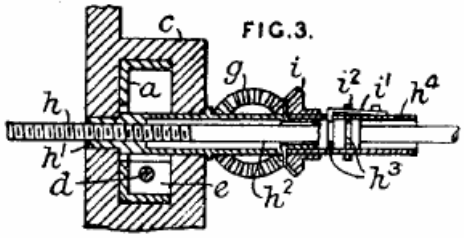


FIG.4.

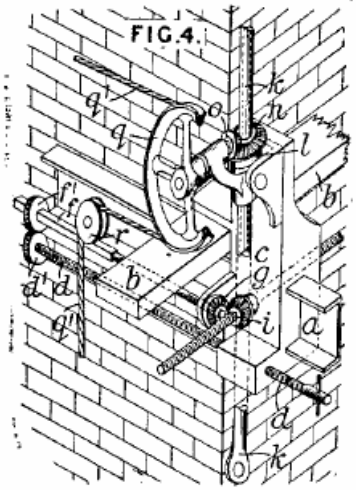
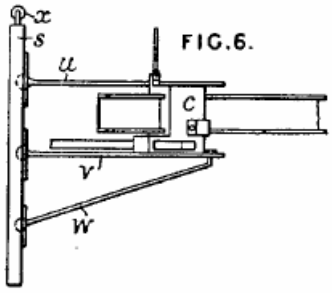


FIG.6.



15) Family number: 39368854 (DK14012C)

Title:	Anordning til Ophejsning og Fordeling af Murmaterialier. Device for hoisting and distribution of Murmaterialier. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK14012 C	19101219		00000000

Probable Assignee:	NIELSEN CHRISTIAN JOHANNES AND
Assignee(s):(std)**:**	NIELSEN CHRISTIAN JOHANNES AND
Assignee(s):	CHRISTIAN JOHANNES ANDREAS NIELSEN
Inventor(s):(std)**:**	NIELSEN CHRISTIAN JOHANNES AND
Inventor(s):	CHRISTIAN JOHANNES ANDREAS NIELSEN

Abstract:
Source: DK14012C [DA] [Source: Claim 1] PATENT 14012. BESKRIVELSE MED TILHOERENDE TEGNING, BEKENDTGJORT DEN 19. DECEMBER 1910. Murermester Christian Johannes Andreas Nielsen, Horsens. Anordning til Ophejsning og Fordeling af Murmaterialier. Patent udstedt den 9. December 1910, beskyttet fra den 11. Februar s- A. (Klasse 37: Husbygningsvsesen, Stilladser m. m.) I Almindelighed bliver Murmaterialier lige- frem baarne op ad Stiger og fordelte med pas- sende Mellemrum paa det Stillads, der som en interimistisk Altan omgiver Bygningen under Opfoerelsen. For at lette dette yderst anstrengende Ar- bejde har man paa mange Maader forsoegt at udfoere det enten med mekaniske Hjaelpemidler, hvorved Arbejderen fik en nemmere Maade at afgive sin Kraft paa, eller i Forbindelse med Motorer eller andre Kraftmaskiner, Fordelingen af Murmaterialierne har ved de forskellige Anordninger dog stedse voldt Vanskeligheder, idet Materialierne som Regel hejses op eet Sted og derfra fordeles paa for- skellig Maade, det vaere sig nu ved Hjaelp af Haandkraft eller ved Hjaelp af Vogne, Boere, Slaeder eller lignende, der foeres enten umiddel- bart paa Stilladset eller paa en Loebeskinne i Forbindelse med dette. Man har ogsaa forsoegt stadig at flytte Op- haengningsapparatet til de Steder, hvor Materi- alierne skulde laesses af. Derved sparede man Transporten paa selve Stilladset, men den ofte gentagne Flytning af Ophaengningsstedet voldte Vanskeligheder. Det karakteristiske ved den foreliggende Opfindelse er, at man samtidig paa flere Steder foretager Ophejsningen, medens den noedvendige Kraft afgives af en enkelt central Kraftkilde, der gennem passende Anordninger overfoerer Kraften til de forskellige Byrder. Baa Tegningen, der skematisk fremstiller en Udfoerelsesform for Opfindelsen, viser Fig. 1 et lodret og Fig. 2 et vandret Billede af An- ordningen. a er de lodretstaaende Stolper til Stilladset, og b er drejelige Konsoller eller Svingkraner, anbragte paa Stolperne, c er Bommen paa et Spil, hvorfra i dette Tilfaelde fire Tove gennem Fodblokke d og f samt Taljer eller Loebehjul g staar i Forbindelse med de Byrder /z, der skal haeves. De fire Fodblokke f er anbragte lodret under Konsollerne og Taljerne eller Loebe- hjulene g paa den yderste Ende af disse. Samt- lige Fodblokke, Taljer eller Loebehjul er paa Tegningen maerkede med en lille Cirkel. Arbejdsgangen er foelgende. En Mand an- bringer i de fra de oevre Taljer nedhaengende Tovender de Murmaterialier, der skal hejses op. Naar dette, er udfoert, saettes Spillet i Gang. Herved loeftes Byrderne samtidig og lige hurtig. Naar Byrderne er naaede tilstraekkelig hoejt op over den vandrette Bro paa Stilladset, hvorpaa dc skal aflaesses, standses Spillet, Konsollerne svinges ind, og Byrderne udtages. Ved en tilstraekkelig langsom Loeftning kan man med en forholdsvis svag Kraftmaskine samtidig haeve et betydeligt Antal Byrder. Der opnaas ved denne Anordning cn stor Besparelse af Mandskab, idet der kun behoeves to Mand» een paa Jorden og een paa Stilladset, til at be- tjene Apparatet. Patentkrav, Anordning til Ophejsning og Fordeling af Murmaterialier, karakteriseret ved, alt flere Byrder ophejses samtidig og lige hurtig paa forskellige Steder ved Hjaelp af Tove, der foeres over smaa flyttelige Svingkraner b, gen- nem Fodblokke f, anbragte under disse, og hen til en faelles Bom c paa et Spil. Kobenhavn 1910. Trykt hos J. H. Schultz A/S. **Machine translation:** [Source: Claim 1] PATENT 14012. Description and drawings, ANNOUNCED ON 19. DECEMBER 1910. Walls Champion Christian Johannes Andreas Nielsen, Horsens. Device for hoisting and distribution of Murmaterialier. Patent issued on 9. December 1910, protected from 11. February s- A. (Class 37: Husbygningsvsesen, **Scaffolding** etc.) in general will be Murmaterialier straight-forward baarne up ladders and distributed with passport send intervals of the **scaffolding**, as a interimistisk Balcony surrounding the building under construction. In order to facilitate this extremely tiring ar- cooperation has in many ways attempted to perform the either by mechanical means whereby the worker was an easier way to give its force on, or in connection with engines or other power machines, the distribution of Murmaterialierne has on the various devices, however, always caused difficulties since Materialierne as a rule is being hoisted up one place and away shall be distributed on the front skellig way, be it now by means of Direct Force or by means of wagons, Boere, carriages or similar, which is maintained either umiddel- Bart on **scaffolding** or on a Serial Rail in connection with this. We have also attempted still to move up- hanging the appliance to the places where Materi- alierne should unloaded. This saved you transport on the **scaffolding**, but it often repeated the movement of the suspension rather than there were difficulties. The characteristic of the present invention is that at the same time on several sites make Ophejsningen, while the necessary force of a single central power source through appropriate devices transmits power to the various burdens. Baa drawing schematic produces a Performance Form to the invention, shows the Fig. 1 a vertical and Fig. 2 a horizontal image of an- scheme. A is the vertical standing posts to the **scaffolding** and b is pivoting consoles or swing cranes, fire on the pillars, c is the boom in a game from which in this case four cables through Fodblokke d and f and a hoist or rennet Wheel g are related to the burdens /z to be highlighted. The four Fodblokke f is placed vertically in the brackets and pulleys or order the wheels g of the outer end of these. As well as the just-Fodblokke, hoists or rennet wheels are in the Drawing labelled with a small circle. The workflow is the following. A man an- brings in the from the upper hoists overhead Ropes Na The Murmaterialier to be being hoisted up. When this is completed, put the game in progress. This lifted the burden at the same time and equal express. Where the burden is reaching sufficiently high above the horizontal bridge on the **scaffolding** in which dc must be unloaded, stop the game consoles swung into, and the burden be removed. At a sufficiently slow lifting it may be a relatively weak Force machine at the same time raise a significant number of burdens. Obtained by this device cn large savings of crew, taking only needed two Man" one on the ground and one of the **scaffolding**, to be- serve the appliance. Patent requirements Device for hoisting and distribution of Murmaterialier, characterised by more burdens ophejses at the same time and equal express at various places using ropes kept over small flyttelige Swing Cranes b, re- easy Fodblokke f, fire in these and to a common Boom c on a game. Pry Bar Harbor 1910. Printed from J. H. Schulz A/S.

Beskrivelse til Beskrivelsen af

Dansk Patent Nr 14012

Fig. 1

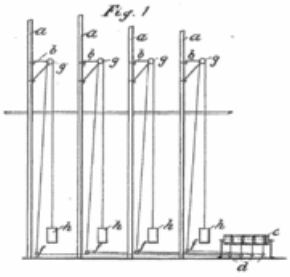
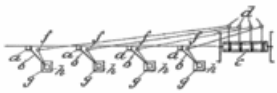


Fig 2.



Kunstlitografiet ved Generalstabens topografiske Afdeling 1898.

16) Family number: 36976425 (GB191005279A)

Title:	Improved Scaffolding.
Priority:	19100302

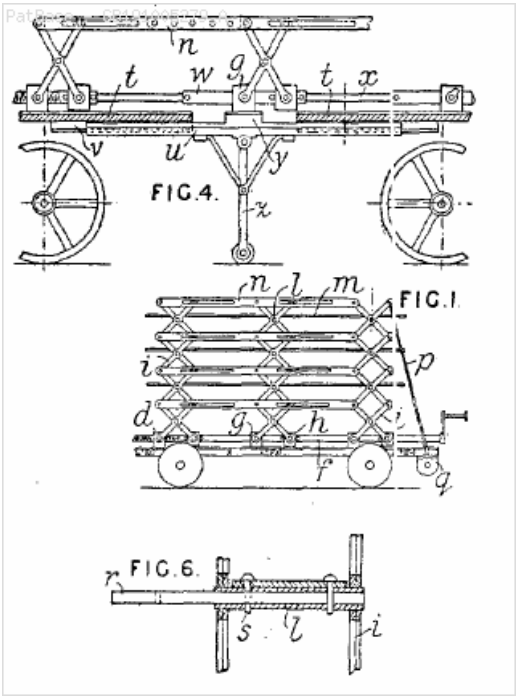
Family:

Publication number	Publication date	Application number	Application date
GB191005279 A	19110302		00000000

Probable Assignee:	GOEBEL FERDINAND
Assignee(s):(std)**:**	GOEBEL FERDINAND
Assignee(s):	FERDINAND GOEBEL
Inventor(s):(std)**:**	GOEBEL FERDINAND
Inventor(s):	FERDINAND GOEBEL
International class (IPC 8-9):	E04G1/22 (Advanced/Invention); E04G1/18 (Core/Invention)
CPC:	B66F11/042 E04G1/22
European class:	B66F11/04A E04G1/22

Classification Explorer

Abstract:
5279. Goebel, F. March 2. Lazy-tongs load-handling appliances. - Portable wheeled **scaffolding** of the lazy-tongs type operated by screwed rods, consists of sets of lazy-tongs i, having the lowest members respectively connected to fixed nuts or blocks d, g and to sliding blocks h, all of which are mounted on a threaded rod f. The pivots l of the lazytongs are tubular with or without sliding extensions r and the **scaffold** boards m are secured to the pivots or to the extensions by pins s. The carriage may be made with telescopic parts t having slides v adjustable on guides u, which are provided with a projecting block y for supporting the fixed block or nut g, and with a support z carrying a castor at the lower end. The screwed shaft w consists of tubular pieces connected by perforated rods r adjustably secured by bolts.



17) Family number: 36983832 (GB191020239A)

Title:	Improvements in or connected with Scaffolding and Means for Facilitating the Erection of the same.
Priority:	19100830

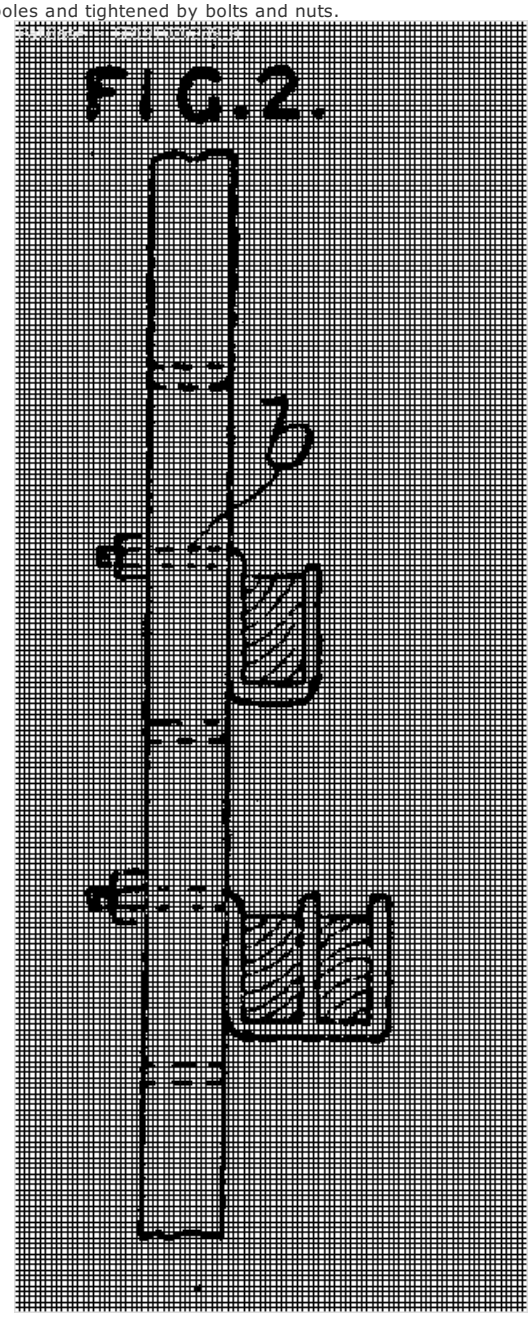
Family:

Publication number	Publication date	Application number	Application date
GB191020239 A	19110601		00000000

Probable Assignee:	FRANKLAND JOHN
Assignee(s):(std)**:**	FRANKLAND JOHN
Assignee(s):	JOHN FRANKLAND
Inventor(s):(std)**:**	FRANKLAND JOHN
Inventor(s):	JOHN FRANKLAND
International class (IPC 8-9):	E04G7/06 (Advanced/Invention); E04G7/00 (Core/Invention)
CPC:	E04G7/06
European class:	E04G7/06

Classification Explorer

Abstract:
20,239. Frankland, J. Aug. 30. **Scaffolding** and staging.-Single or multiple U-shaped brackets are formed with rightangled screw - threaded extensions b which are passed through holes in the poles and are secured by nuts. Sloping boards or poles are provided with stops to engage the brackets and prevent longitudinal movement of the boards. According to the Provisional Specification, the brackets may be secured by bands passed round the poles and tightened by bolts and nuts.



18) Family number: 36993062 (GB191108581A)

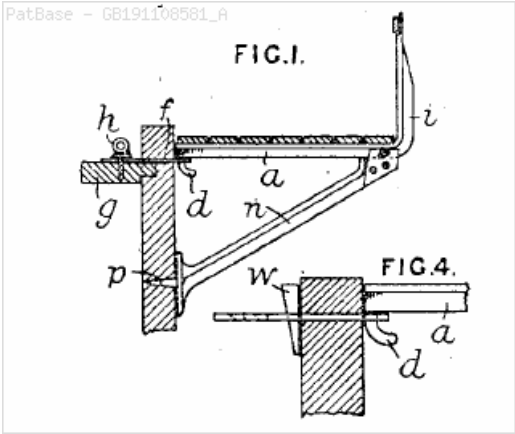
Title:	Improvements in and relating to Scaffolding Frames.
Priority:	19110406

Family:

Publication number	Publication date	Application number	Application date
GB191108581 A	19110824		00000000

Probable Assignee:	STOYE REINHOLD
Assignee(s):(std)**:**	STOYE REINHOLD
Assignee(s):	REINHOLD STOYE
Inventor(s):(std)**:**	STOYE REINHOLD
Inventor(s):	REINHOLD STOYE
International class (IPC 8-9):	E04G5/06 (Advanced/Invention); E04G5/00 (Core/Invention)
CPC:	E04G5/06
European class:	E04G5/06
Classification Explorer	
Forward Citations:	US3131784,

Abstract:
8581. Stoye, R. April 6. **Scaffolding** and staging.-Wall brackets, consisting of horizontal members a with upright extensions i and struts n having spikes p on the lower ends to engage holes in the wall, are secured by hooks d on the inner ends of bars a engaging slots in flat bars f which are inserted in the brickwork, and secured on the inside by pins h screwed into beams g, or by wedges w.



19) Family number: 39370948 (DK15289C)

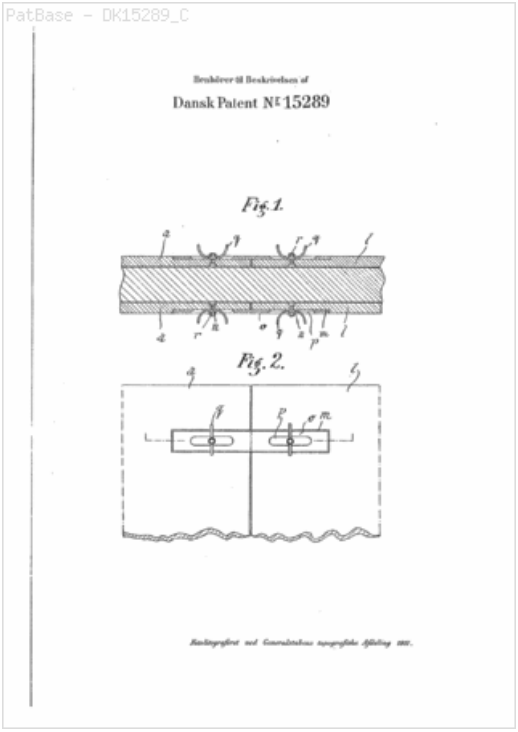
Title:	Anordning ved Formestilladser. Device in the form of scaffolding. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK15289 C	19111113		00000000

Probable Assignee:	FUGENLOSE GUSS WAND IND G M B
Assignee(s):(std)**:**	FUGENLOSE GUSS WAND IND G M B
Assignee(s):	FUGENLOSE GUSS WAND INDUSTRIE G M B H

Abstract:
Source: DK15289C [DA] [Source: Claim 1] 1. DANSK Nr. PATENT BESKRIVELSE MED TILHOERENDE TEGNING, BEKENDTGJORT DEN 13. NOVEMBER 1011. Handlende med Byggematerialier Fugenlose Gvss-Wand- Industrie, G. m. b. Dusseldorf, Tyskland. Anordning ved Formestilladser. Patent udstedt den **Machine translation:** [Source: Claim 1] 1. Danish NO PATENT DESCRIPTION TOGETHER WITH THE DRAWING, announced on 13. NOVEMBER 1011. Traders with Byggematerialier Fugenlose Gvss-Wand-Industrie, G. M. b. Dusseldorf, Germany. Device in the form of **scaffolding**. Patent issued on



20) Family number: 36993275 (GB191108619A)

Title:	Improvements in and connected with Scaffolding.
Priority:	19110406

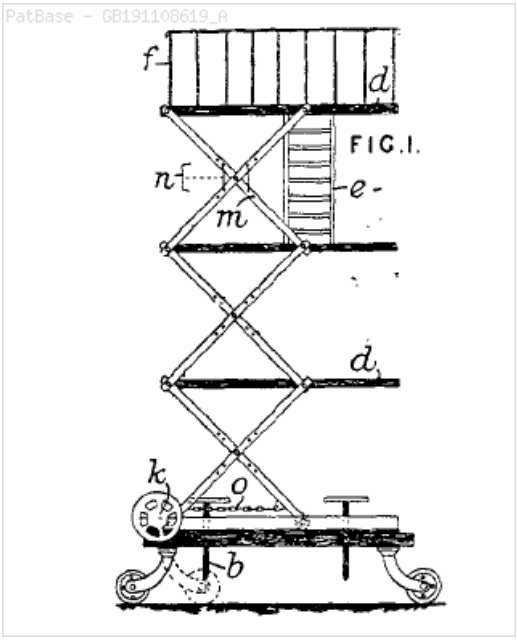
Family:

Publication number	Publication date	Application number	Application date
GB191108619 A	19111207		00000000

Probable Assignee:	FOCK JOHANNES
Assignee(s):(std)**:**	FOCK JOHANNES
Assignee(s):	JOHANNES FOCK
Inventor(s):(std)**:**	FOCK JOHANNES
Inventor(s):	JOHANNES FOCK
International class (IPC 8-9):	E04G1/22 (Advanced/Invention); E04G1/18 (Core/Invention)
CPC:	B66F11/042 E04G1/22
European class:	B66F11/04A E04G1/22

Classification Explorer

Abstract:
8619. Fock, J. April 6. No Patent granted (Sealing fee not paid). Lazy-tongs platform load-handling appliances. -Lazy-tongs **scaffolding** or fire-escapes, mounted on a wheeled carriage, is raised by chains o wound on a ratchet drum k, and is provided with platforms d, and ladders e hinged to the undersides of the upper platforms. The top platform carries a winch and is provided with hand-rails f. The lazy-tongs are maintained in the extended position by a pawl engaging the ratchet-drum, and by clamps n engaging in holes m in the levers of the lazy-tongs. The structure is adjusted to be horizontal by screwed spindles b. Reference has been directed by the Comptroller to Specification 1856/68.



21) Family number: 36992197 (GB191103199A)

Title:	IMPROVED WALL FITTINGS FOR SUPPORTING SCAFFOLDING AND STAGING.
Priority:	19110208

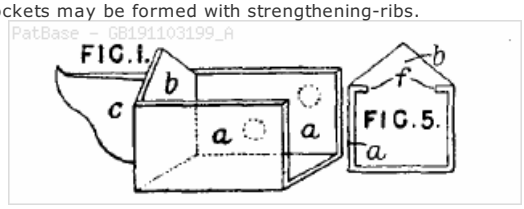
Family:

Publication number	Publication date	Application number	Application date
GB191103199 A	19120104		00000000

Probable Assignee:	RICHARDS ALBERT HENRY
Assignee(s):(std)**:**	RICHARDS ALBERT HENRY ; TINDALL EDWARD
Assignee(s):	ALBERT HENRY RICHARDS ; EDWARD TINDALL
Inventor(s):(std)**:**	RICHARDS ALBERT HENRY ; TINDALL EDWARD
Inventor(s):	ALBERT HENRY RICHARDS ; EDWARD TINDALL
International class (IPC 8-9):	E04G5/04 (Advanced/Invention); E04G5/00 (Core/Invention)
CPC:	E04G5/046 E04G5/04
European class:	E04G5/04

Classification Explorer

Abstract:
3199. Tindall, E., and Richards, A. H. Feb. 8. Jib cranes.-Wall sockets a for supporting cranes, pulley-block and tackle, and c., are of box form with the ends b provided with tapering spikes c, which project above the bottoms of the sockets, and are driven into the vertical joints of the wall. Putlogs or supporting beams may be prevented from rising in the sockets by bolts, or by lugs f on the sides of the sockets. According to the Provisional Specification, the sockets may be formed with strengthening-ribs.



22) Family number: 36994488 (GB191106250A)

Title:	Improvements in Scaffolding for use in Making and Finishing Ceilings.
Priority:	19110313

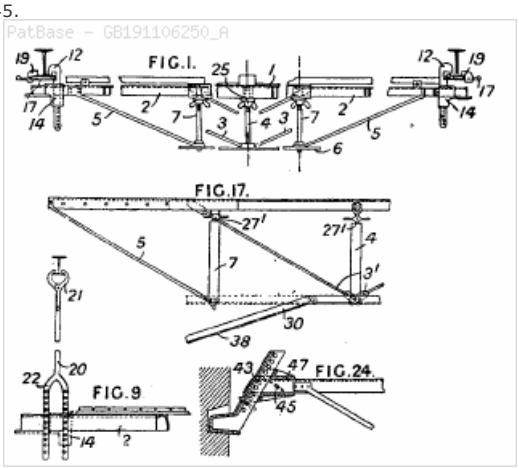
Family:

Publication number	Publication date	Application number	Application date
GB191106250 A	19120313		00000000

Probable Assignee:	ARNDT OTTO
Assignee(s):(std)**:**	ARNDT OTTO
Assignee(s):	OTTO ARNDT
Inventor(s):(std)**:**	ARNDT OTTO
Inventor(s):	OTTO ARNDT
International class (IPC 8-9):	E04G17/18 (Advanced/Invention); E04G17/18 (Core/Invention)
CPC:	E04G17/18
European class:	E04G17/18

Classification Explorer

Abstract:
6250. Arndt, O. March 13. Centering for floors and ceilings staging, suspended.- A trussed centering for floors and ceilings is suspended from the floor girders or the walls, and is constructed of a middle portion 1 consisting of two angle-irons, and two end portions 2, each consisting of two angle-irons, sliding within the middle portion, the three portions being connected to a bar 6 by adjustable struts 4, 7 and ties 3, 5 respectively. The centering is suspended from the floor girders by hooks 12, having perforated shanks to receive pins engaging sleeves 14 sliding on, and embracing, the end portions 2. The hooks are secured on the girder flanges by forks 17 having clamps 19 engaging the girder flanges. The strut 4 for the middle portion is provided with a screw-threaded part 25 carrying a wing- nut to engage a stirrup on the angle-irons. The struts 7 for the end portions are provided with screw - threaded parts secured to the angle-irons and carrying wing nuts engaging stirrups, which are provided with plates engaging and clamping the ends of the angle - irons of the middle and end parts. The staging can be used for decorating or repairing ceilings by suspending it from drop hangers 20, having upper clamping - jaws 21 engaging the floor girders, and the lower ends 22 forked and perforated to receive pins for engaging the sliding sleeves 14. In a modification, the centering is constructed to allow bending due to load being corrected. The end parts slide between guiding plates riveted to the middle part, the struts 4, 7 are provided with screw adjustable upper parts 27<1>, and the ties 3' are formed with slots at the lower ends engaging a pin. The struts are connected together by a bar having hinged portions 30 with slots 38, through which the shouldered ends of the struts 7 pass and are secured by pins. The ties 5 are slotted at the lower ends to engage over the shouldered ends of the struts. The centering may be suspended from the girders or walls by hooks 43 with perforated shanks to receive pins engaging sliding sleeves 47 connected to the end portions by screw pins 45.



23) Family number: 37007774 (GB191203372A)

Title:	Improvements in or pertaining to Scaffolding.
Priority:	19120210

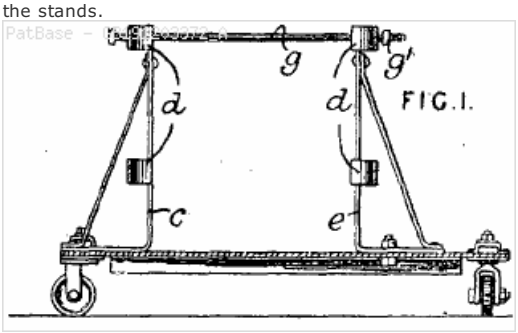
Family:

Publication number	Publication date	Application number	Application date
GB191203372 A	19120523		00000000

Probable Assignee:	PANZENHAGEN ADOLF
Assignee(s):(std)**:**	PANZENHAGEN ADOLF
Assignee(s):	ADOLF PANZENHAGEN
Inventor(s):(std)**:**	PANZENHAGEN ADOLF
Inventor(s):	ADOLF PANZENHAGEN
International class (IPC 8-9):	E06C1/397 (Advanced/Invention); E06C1/00 (Core/Invention)
CPC:	E06C1/397
European class:	E06C1/397

Classification Explorer

Abstract:
3372. Panzenhagen, A. Feb. 10. Ladders **scaffolding** and staging. -Movable stands for supporting ladders used in **scaffolding** are provided with sockets cl embracing the ladder sides and arranged on fixed and adjustable members c, e. The members e are adjusted by nuts g<1> on screws y, and slide in slots in the bed-plates of the stands.



24) Family number: 37007527 (GB191204172A)

Title:	Improvements in Scaffolding for Making and Finishing Ceilings.
Priority:	19111020

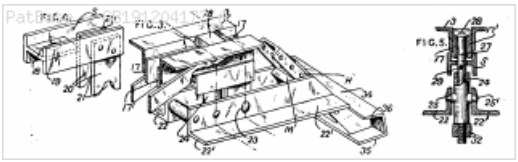
Family:

Publication number	Publication date	Application number	Application date
GB191204172 A	19120530		00000000

Probable Assignee:	ARNDT OTTO
Assignee(s):(std)**:**	ARNDT OTTO
Assignee(s):	OTTO ARNDT
Inventor(s):(std)**:**	ARNDT OTTO
Inventor(s):	OTTO ARNDT
International class (IPC 8-9):	E04G17/16 (Advanced/Invention); E04G17/16 (Core/Invention)
CPC:	E04G17/16
European class:	E04G17/16

Classification Explorer

Abstract:
4172. Arndt, O. Oct. 20, 1911, [Convention date]. [Addition to 6250/11.] Centering for floors and ceilings staging, suspended. -. The end hangers H, for trussed centering and staging described in the parent Specification, are guided in inclined sleeves M, which rotate about horizontal pins 23 and are connected to members S sliding along guides 17, 17<1> on the angle-irons 3 of the centering and c. The members S consist of double channel-irons with parts of the web removed, and having plates 20 recessed at 21 to fit over the pins 23, engaging in holes in angle-irons 22, 22<1> carrying the sleeves M. The remaining parts 18 of the webs of the double channel-iron are provided with holes 19 through which pass bolts 27, having heads 28 sliding on the guide-plates 17, 17<1> and being provided with sleeves 24 with pivoting pins 25, 25<1> engaging in holes in the angle-irons 22, 22<1>. Pins 29 are passed through holes in the bolts 27 and help to support the members S. Nuts 32 on the bolts can be screwed up or down to vary the inclination of the sleeves for the hangers. The hangers are of #-shape, and the heads 34 are formed with flat bearing-surfaces 35, 36 so that they can be reversed.



25) Family number: 37004097 (GB191127586A)

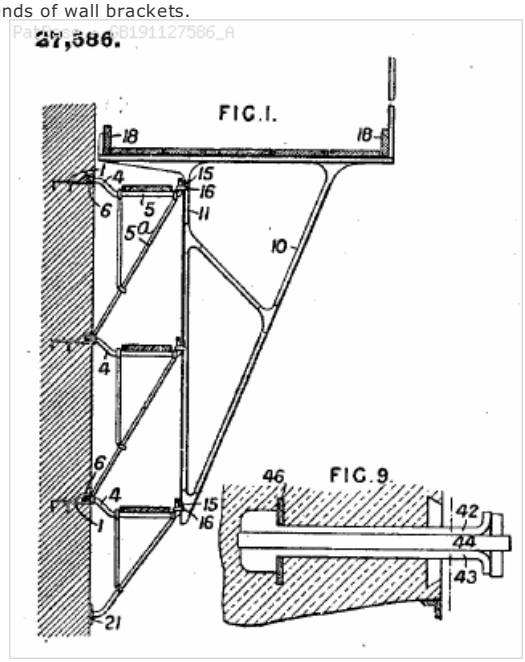
Title:	IMPROVEMENTS IN SCAFFOLDING FOR BUILDINGS.
Priority:	19111208

Family:

Publication number	Publication date	Application number	Application date
GB191127586 A	19121010		00000000

Probable Assignee:	SCHAERER EMIL
Assignee(s):(std)**:**	SCHAERER EMIL
Assignee(s):	EMIL SCHAERER
Inventor(s):(std)**:**	SCHAERER EMIL
Inventor(s):	EMIL SCHAERER
International class (IPC 8-9):	E04G3/20 E04G5/04 E04G5/06 (Advanced/Invention); E04G3/20 E04G5/00 (Core/Invention)
CPC:	E04G5/046 E04G5/04 E04G3/20 E04G5/06 E04G2005/068
European class:	E04G3/20 E04G5/04 E04G5/06
Classification Explorer	
Forward Citations:	CN102561669,

Abstract:
27,586. Scharer, E. Dec. 8. Wall sockets 1 are 'constructed of rectangular section iron, or are made in cement bricks built into the wall, or are cast in position by removable cores carrying washer plates 46, which are left embedded in the cement filling. The sockets are provided with slotted cover-plates to receive and retain the ends of wall brackets.



26) Family number: 37019606 (GB191219076A)

Title:	Apparatus for Raising and Lowering Scaffolding.
Priority:	19120216

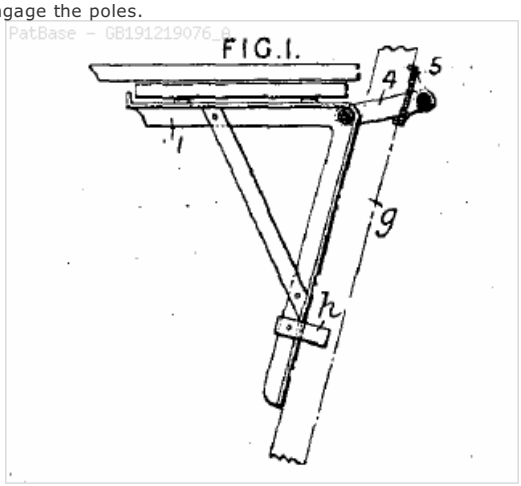
Family:

Publication number	Publication date	Application number	Application date
GB191219076 A	19130116		00000000

Probable Assignee:	PISSARELLO JOSEPH
Assignee(s):(std)**:**	PISSARELLO JOSEPH
Assignee(s):	JOSEPH PISSARELLO
Inventor(s):(std)**:**	PISSARELLO JOSEPH
Inventor(s):	JOSEPH PISSARELLO
International class (IPC 8-9):	E04G1/20 (Advanced/Invention); E04G1/18 (Core/Invention)
CPC:	E04G1/20
European class:	E04G1/20

Classification Explorer

Abstract:
19,076. Pissarello, J. Feb. 16, [Convention date]. **Scaffolding** and staging.-**Scaffolding** is supported on angle brackets 1, which are raised and lowered on poles g and are secured by toothed clamps 5 pivoted on bars 4, which are pivoted at the bends of the brackets. The lower ends of the brackets are provided with guides h to engage the poles.



27) Family number: 37026639 (GB191304390A)

Title:	Improvements in or relating to Contrivances or Devices for Binding or Connecting Together Scaffold Poles, Ladders, Timbers and the like.
Priority:	19130220

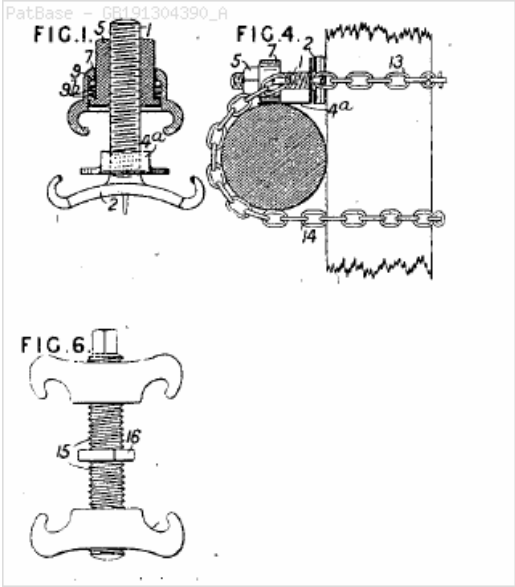
Family:

Publication number	Publication date	Application number	Application date
GB191304390 A	19130424		00000000

Probable Assignee:	PATENT RAPID SCAFFOLD THE COMP
Assignee(s):(std)**:**	DANIEL PALMER JONES ; PATENT RAPID SCAFFOLD THE COMP
Assignee(s):	THE PATENT RAPID SCAFFOLD THE COMPANY LIMITED
International class (IPC 8-9):	E04G7/04 (Advanced/Invention); E04G7/00 (Core/Invention)
CPC:	E04G7/04
European class:	E04G7/04

Classification Explorer

Abstract:
4390. Jones, D. P., and Patent Rapid **Scaffold** Tie Co. Feb. 20. Ladders, **scaffolding** and staging.-Relates to ladder and **scaffold** connexions of the kind described in Specification 24,936/07, and consists in providing two hooked plates 2, 7 on the screwed rod 1, for the lashing-chains 13, 14, which are tightened by a nut 5. The plates 2 are rigidly mounted on the rods 1, and the plates 7 are loosely mounted on the nuts with or without ball bearings 9 and spring washers 9. Protecting - plates 4 for the poles may be provided, and are either integral with the plates 2 or are formed on screw-threaded disks engaging the rods 1. In a modification, the two hooked plates are mounted on a rod 15 having a right- and left-handed thread and provided with a turning-head at the end or in the middle.



28) Family number: 39373361 (DK17426C)

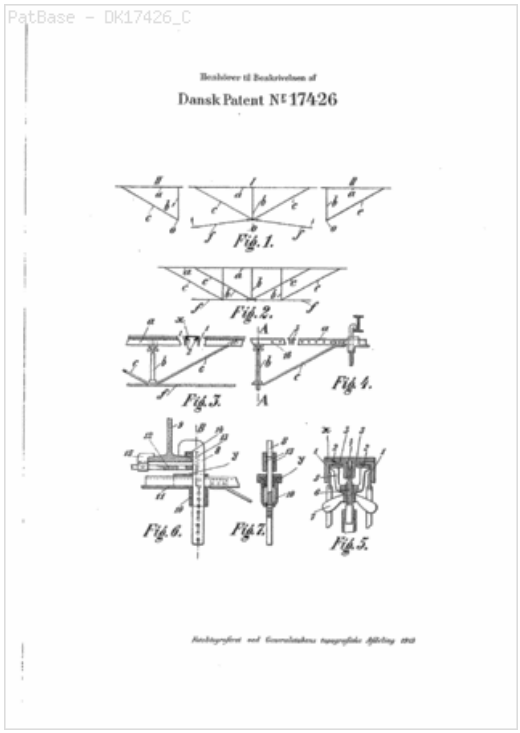
Title:	Forskallingsstillads. Formwork scaffolding. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK17426 C	19130616		00000000

Probable Assignee:	ARNDT OTTO
Assignee(s):(std)**:**	ARNDT OTTO
Assignee(s):	OTTO ARNDT
Inventor(s):(std)**:**	ARNDT OTTO
Inventor(s):	OTTO ARNDT

Abstract:
Source: DK17426C [DA] [Source: Claim 1] 1. Stilladset kan enten haenges paa en Lofts- bjaelke eller anbringes paa Murkanter. I begge Tilfaelde kan den i Fig. 6 og 7 fremstillede BAE- reindretning anvendes. Ligesom ved andre kendte Forskallingsstilladser anvendes der ogsaa her en op og ned bevaegelig Krog 83 som anbringes paa Loftsbjaelken p's Flange og er bevaegelig op og ned i en Styremuffe 10. Denne er i dette Til- faelde i eet Stykke med en anden Styremuffe y, som skydes paa Enden af det anvendte Spraeng- vaerks oevre Baand og cr forskydelig paa langs ad dette Baand. Krogen 8's Forskydeligheder, lodret i Muffen ro og vandret i Muffen y3 skal uafhaengigt af hinanden muliggoere en fin Ind- stilling af Stilladset baade efter Spaendvidden og efter Hoejden. I det foreliggende Tilfaelde er desuden Dob- beltmuffen iot y forsynet med et udefter rettet Fremspring, en Fodplade n, som tjener til, hvis der ikke anvendes Loftsbjaelke og altsaa heller ingen Krog 8, at Stilladset kan anlaegges paa en Mur. Til Befaestelse af Krogen 8 paa Loftsbjael- ken g tjener en Gaffel 12 3 hvis Ender 13 omslut- ter Krogen samt er krummede hageformet ind- efter og paa Enden forbundne med hinanden ved en paa den indre Bjaelkeflange stoettende Skinne 14, som gaar ind i selve Krogen. Paa Gaflen 12's Skaftende er bevaegeligt anbragt en Sko 13, som tjener til Ophaengning og Fastklemning af Gaflen paa Bjaelkeflangen. Patentkrav. 1. Adskilleligt Forskallingsstillads, ka- rakteriseret ved, at det bestaar af hver for sig anvendelige og i Forhold til hinanden forskydelige Spraengvaerker I og II, der ved Indskydning i hinanden danner et enkelt, som Spraengvaerk formet Stillads med variabel Spaendvidde, idet Finindstilling med Hensyn til saavel Spaendvidden som Hoejden gives ved Hjaelp af en forskydelig Muffe 10 med en Baereindretning 8 af kendt Art. **Machine translation:** [Source: Claim 1] 1. The **scaffolding** can either be hung in a Lofts- bar or placed on Murkanter. In both cases, as in Fig. 6 and 7 produced BAE- reindretning used. As with other known Formwork **Scaffolding** used also here a up and down moving Hook 83 placed on ceiling beam p's flange and is moving up and down in a pilot sleeve 10. This is in this To- trap in one piece with another Pilot Sleeve y which slides on the end of the used Burster approach upper strip and cr sliding on along this strip. Hook 8's offset the similarities, vertical in the sleeve calm and horizontal in the sleeve y3, independently of each other permit a fine Check-in position of the **scaffolding** both after range and after the height. In the present case is also Dob- belt sleeve iot y provided with a directed outwards protrusion, a platform n which serve to, if not using ceiling beam and therefore no Hook 8 that the **scaffolding** can be built on a wall. For the attachment of the Hook 8 at Loftsbjael- ken g serves a fork 12 3 if the ends 13 omslut- ter Hook and is curved hage shaped Check-in after and at the top related to each other by a on the internal Beam Flange supporting Rail 14, which is in favor of the Hook. On the fork 12's Skaftende is moving placed a Shoes 13 which serve to Suspension and clamping of the yoke on the Beam Flange. Patent requirements. 1. Separate the strange Formwork **Scaffolding** Ka- rakteriseret know that it is composed of each applicable and in relation to each other retractable Blast Works I AND II by fitting into one another form a single, as explosive Craft shaped **scaffolding** with variable Span, Fine Tuning with regard to both the range as the height shall be made by means of a sliding sleeve 10 with a Carrier Decor 8 of known Art.



29) Family number: 37027736 (GB191306108A)

Title:	Improvements in or relating to Means for Connecting Two Scaffolding Poles or the like Vertically.
Priority:	19130312

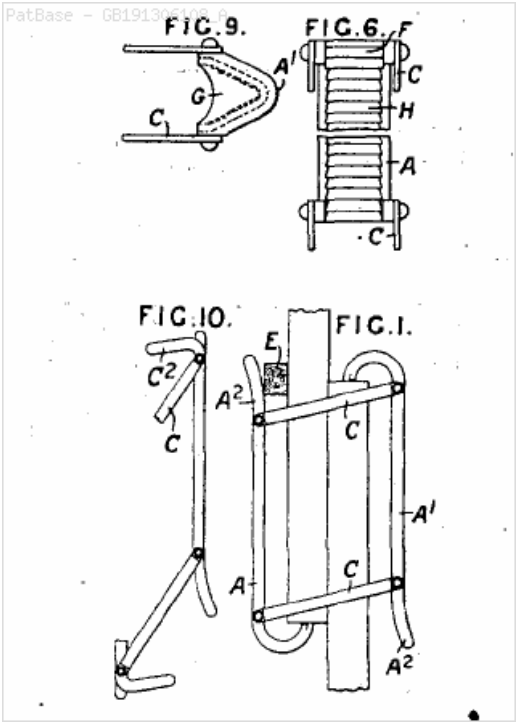
Family:

Publication number	Publication date	Application number	Application date
GB191306108 A	19130717		00000000

Probable Assignee:	ERIKSON CARL GUSTAF ADOLF
Assignee(s):(std)**:**	ERIKSON CARL GUSTAF ADOLF
Assignee(s):	CARL GUSTAF ADOLF ERIKSON
Inventor(s):(std)**:**	ERIKSON CARL GUSTAF ADOLF
Inventor(s):	CARL GUSTAF ADOLF ERIKSON
International class (IPC 8-9):	E04G7/08 (Advanced/Invention); E04G7/00 (Core/Invention)
CPC:	E04G7/08
European class:	E04G7/08

Classification Explorer

Abstract:
6108. Erikson, C. G. A. March 12. No Patent granted (Sealing fee not paid). **Scaffolding**.-**Scaffold** poles connected together vertically by hooked arms A, A' engaging respectively the upper and lower ends of the poles and joined together by pivoted links C embracing the poles. The bearing-ends of the arms A, A<1> are split, and the parts bent in opposite directions, the free ends A<2> of the arms being bent outwards to accommodate horizontal timbers E. The members of the links are curved to increase the rigidity and the grip upon the poles. In a modification, the arms A, A<1> are formed to embrace partially the poles and engage the ends of the poles either by the pivot pins F of the links, or by integral parts G. The arms may be provided with teeth H for engaging the poles. In another modification, the links C are formed with bearing-ends C<2> engaging the ends of the poles, and are connected together by plain links.



30) Family number: 37020761 (GB191228912A)

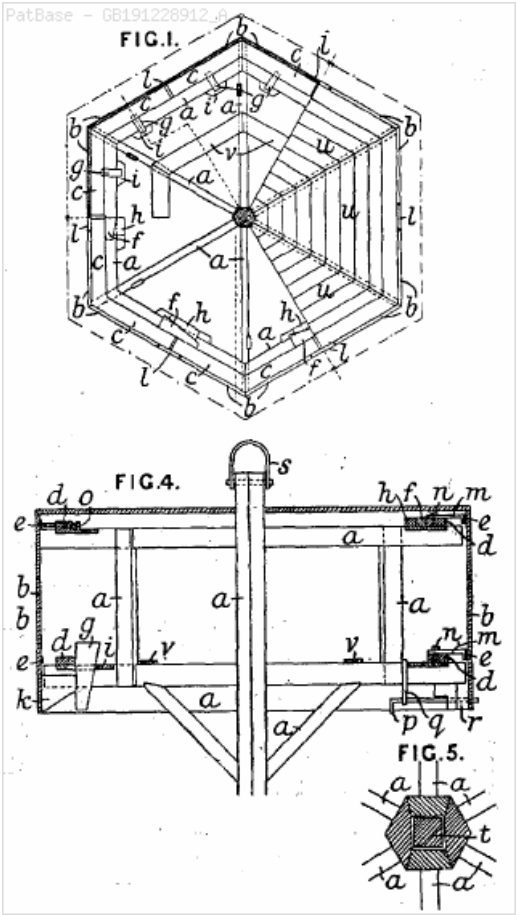
Title:	Improvements in and relating to Wooden Mould Scaffoldings with an Internal Working Platform for use in connection with the Erection of Concrete or Ferro-concrete Super-structures.
Priority:	19121216

Family:

Publication number	Publication date	Application number	Application date
GB191228912 A	19130717		00000000

Probable Assignee:	CHARLES STULEMEIJER
Assignee(s):(std):	CHARLES STULEMEIJER ; IND MIJ VAN F J STULEMEIJER AND
Assignee(s):	INDUSTRIEELE MAATSCHAPPIJ VAN F J STULEMEIJER AND ; INDUSTRIEELE MAATSCHAPPIJ VAN F J STULEMEIJER AND CO
International class (IPC 8-9):	E04G11/06 (Advanced/Invention); E04G11/00 (Core/Invention)
CPC:	E04G11/062
European class:	E04G11/06B
Classification Explorer	
Forward Citations:	GB2495072,

Abstract:
28,912. IndustrieUle Maatschappij van F. J. Stulemeijer and Co., and Stulemeijer, C. Dec. 16. Moulding in situ.-Relates to the inner moulds for use in casting concrete structures such as silos and cooling-towers. The inner mould b, with the working platform v, is independent of the outer mould, and is supported by a wooden framework a connected to a central post.: The mould boards are carried by wooden bars c, or by metal strips e secured to wooden bars d, the bars c, d being displaced to expand the mould by wedges f, g engaging blocks h, i on the framework a, and blocks k on the mould. The gaps between the mould boards are filled by wedge-shaped boards l. The metal strips e are adjusted to different curvatures by angle bars m, formed with slots to engage bolts n screwing into the bars d, and by screws o mounted in the bars d. The mould is supported on a finished section by bolts p sliding in guides q, r, or is suspended by loops s, or the framework a is connected to a hollow post sliding on a central post t and supported by pins inserted in holes in the central post. Boards are fixed to the framework for supporting the workmen during the adjustment of the mould.



31) Family number: 40406258 (DK17629C)

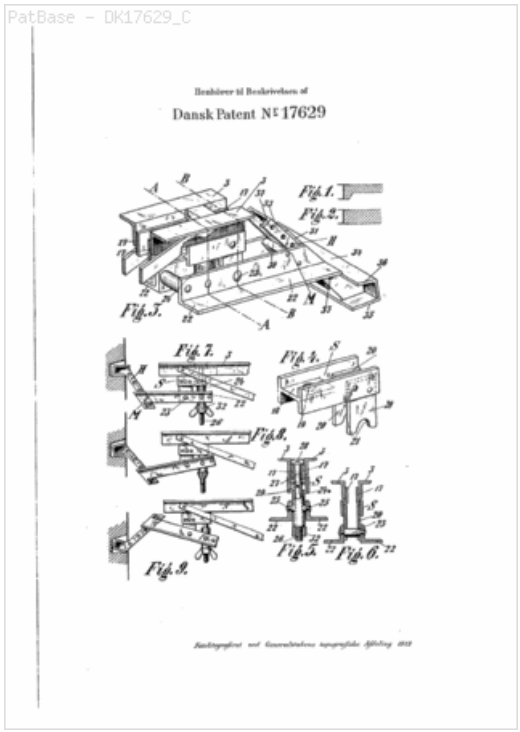
Title:	Anordning ved Forskallingsstilladser. Device by shuttering scaffolding. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK17629 C	19130804		00000000

Probable Assignee:	ARNDT OTTO
Assignee(s):(std)**:**	ARNDT OTTO
Assignee(s):	OTTO ARNDT
Inventor(s):(std)**:**	ARNDT OTTO
Inventor(s):	OTTO ARNDT

Abstract:
Source: DK17629C [DA] [Source: Claim 1] 1. Endelejc for det i Patent Nr. 17426 omhandlede Forskallingsstillads, karakteri- seret ved, at den skraat i den langs med Stilladsenderne forskydelige Muffe M siddende indstillelige Baerekrog H har ikke alene en nedre Anlaegsflade 35, men ogsaa en oevre An- laegsflade 36, saa at den efter Muffens Om- laegning ogsaa kan benyttes til Opstilling af Stilladsenderne. **Machine translation:** [Source: Claim 1] 1. Endelejc for it in the Patent No 17426 Formwork referred to **scaffolding** karakteri- seret know that the oblique in it along with the ends of the **scaffolding** sliding sleeve M seated adjustable carry Hook H has not only a lower shoulder 35, but also an upper An- medical surface 36 so that the after the sleeve on- aggregation may also be used for the establishment of **scaffolding** ends.



32) Family number: 37019389 (GB191219862A)

Title:	IMPROVEMENTS IN OR CONNECTED WITH DEVICES FOR SUPPORTING SCAFFOLDING AND LIKE STRUCTURES.
Priority:	19120830

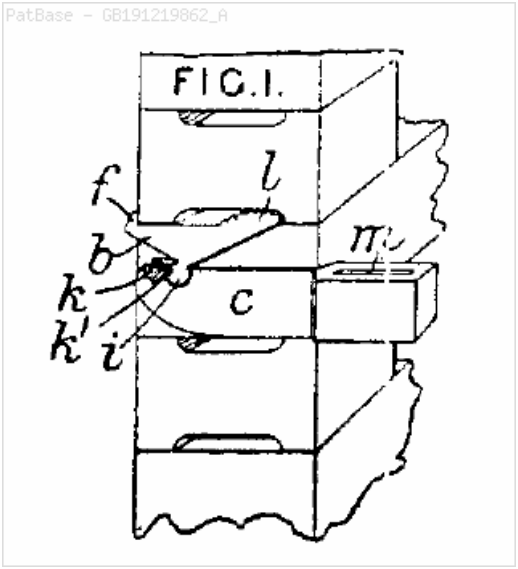
Family:

Publication number	Publication date	Application number	Application date
GB191219862 A	19130814		00000000

Probable Assignee:	ASHWORTH FRANK EBBY
Assignee(s):(std)**:**	ASHWORTH FRANK EBBY
Assignee(s):	FRANK EBBY ASHWORTH
Inventor(s):(std)**:**	ASHWORTH FRANK EBBY
Inventor(s):	FRANK EBBY ASHWORTH
International class (IPC 8-9):	E04G5/04 E04G5/06 (Advanced/Invention); E04G5/00 (Core/Invention)
CPC:	E04G5/046 E04G5/04 E04G5/06
European class:	E04G5/04 E04G5/06

Classification Explorer

Abstract:
19,862. Ashworth, F. E. Aug. 30. Supporting. - Wall sockets for supporting arc lamps, consist of two members b, c inserted in a joint in the brickwork and connected together by a rounded projection i on the member b engaging in a recess in the member c, the movement of the member b being limited by a screw pin k engaging in a notch k'. The member b is formed with a hook f at one end to engage the inner face of the brickwork, and with serrations l at the other end to engage the recessed face of the brick above. The member c is formed with a socket m and may be provided on its under surface with serrations to engage in the serrated face of a brick built into the wall.



33) Family number: 37023676 (GB191228608A)

Title:	Improvements in and relating to Scaffolding or Staging.
Priority:	19121212

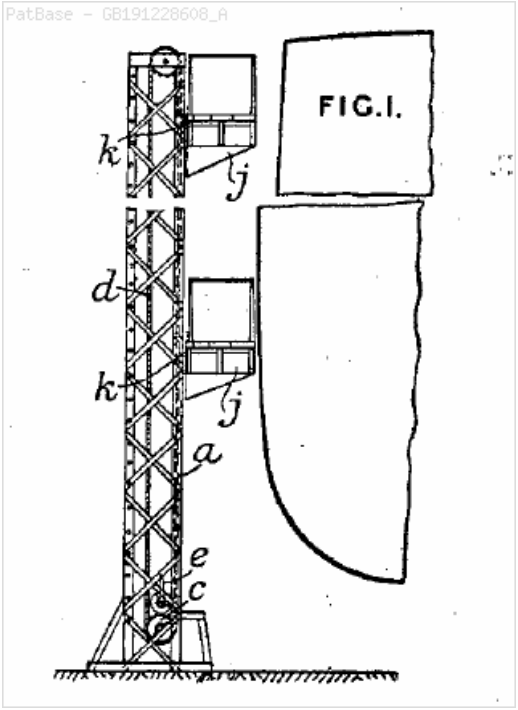
Family:

Publication number	Publication date	Application number	Application date
GB191228608 A	19131023		00000000

Probable Assignee:	FULTON WILLIAM
Assignee(s):(std)**:**	FULTON WILLIAM
Assignee(s):	WILLIAM FULTON
Inventor(s):(std)**:**	FULTON WILLIAM
Inventor(s):	WILLIAM FULTON
International class (IPC 8-9):	E04G1/20 (Advanced/Invention); E04G1/18 (Core/Invention)
CPC:	E04G1/20
European class:	E04G1/20

Classification Explorer

Abstract:
28,608. Fulton, W. Dec. 12. **Scaffolding** and staging for use in shipbuilding and c. Platforms j are raised and lowered on columns or uprights a by endless chains, ropes, bands, and c. d and by hooks and c. k. The chains and c. pass over sprocket wheels and c. c, mounted at the upper and lower ends of the columns, and operated by gearing and crank handles e. The uprights may be provided with wheels at the base and are constructed of ladder form or fitted with ladders for the workmen. The columns of cranes, derricks, and c. may be utilized to support the platforms as above.



34) Family number: 37036884 (GB191322345A)

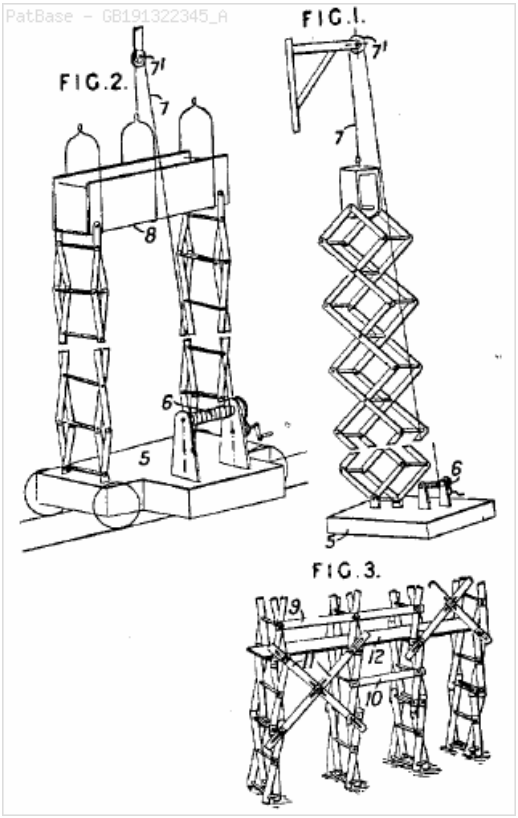
Title:	Improvements in Ladders, Scaffolding and the like.
Priority:	19130825

Family:

Publication number	Publication date	Application number	Application date
GB191322345 A	19140423		00000000

Probable Assignee:	HUGUET LEONCE
Assignee(s):(std)**:**	HUGUET LEONCE
Assignee(s):	LEONCE HUGUET
Inventor(s):(std)**:**	HUGUET LEONCE
Inventor(s):	LEONCE HUGUET
International class (IPC 8-9):	E04G1/22 (Advanced/Invention); E04G1/18 (Core/Invention)
CPC:	E04G1/22
European class:	E04G1/22
Classification Explorer	
Forward Citations:	CN105544952,

Abstract:
22,345. Huguet, L. Aug. 25, [Convention date]. Ladder escapes portable whecled ladder escapes.-Lazy-tongs fire-escape ladders are mounted on platforms 5 with or without wheels, and are operated by cables 7, which are connected to the tops of the ladders, pass around pulleys 7<1> on supports independent of the ladders, and are wound on winding-drums 6 mounted on the platforms. In the completelyextended position, all the cross-bars connecting the links of the lazy-tongs serve as rungs, while in other positions only the cross-bars connecting the ends of the links serve as rungs. Two ladders constructed as above are used to support a platform or cradle 8.



35) Family number: 39374737 (DK18935C)

Title:	Endeleje til Forskallingsstilladser. Endeleje to Formwork scaffolding. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK18935 C	19140622		00000000

Probable Assignee:	ARNDT OTTO
Assignee(s):(std)**:**	ARNDT OTTO
Assignee(s):	OTTO ARNDT
Inventor(s):(std)**:**	ARNDT OTTO
Inventor(s):	OTTO ARNDT

Abstract:
Source: DK18935C [DA] [Source: Claim 1] DANSK PATENT Nr 18935. B E S B BIVE E 8 E MRD TILHOERENDE TEGNING, BEKENDTGJORT DEN 22. JUNI 1914. Bygmestcr Otto Arndt, Liegnitz, Tyskland. Endeleje til Forslcallingsstilladser. 2. Tillaegspatent (til Patent Nr. 17426) udstedt den 10. Juni 1914, beskyttet fra den 15. August 1913. Varigheden regnes fra den 3. Juni 1913. (Klasse 37: Husbygningsvaesen, herunder Stilladser og Hegning m. m.) I Tillaegspatent; Nr. 17629 er i Fig. 7-9 fremstillet et Endeleje for de i Patent Nr. 17426 omhandlede Forskallingsstilladser, hvilket Leje for at kunne forandre Stilladsets Laengde cr indstilleligt i Laengderetningen og for at kunne forandres i Hoejden er drejeligt om en Tvaeraksel, hvorhos Drejeindstillingen sker ved Tiltraek- i ning eller Loesnen af en Skrue. Dette Endelcje fordrer et paa Stilladset forskydeligt Mellem- stykke, der som en Art Sadel hviler paa en af Endelejets Tappe. E11 simplificeret Udfoerelses-! form for dette Endeleje er kendt, men ogsaa i denne Bygningsmaadc er i mange Tilfaelde; kostbar, navnlig hvor det ikke gaelder en fin ' Laengdeindstilling af Stilladset. Den foreliggende Opfindelse angaar et yder- ligere simplificeret Endeleje, der heller ikke fordrer ct saerligt Mellemstykke paa Stilladset. Endelejet er nemlig forsynet med flere, i Stil- ladsets Laengderetning efter hinanden dannede Huller for en Stikbolt, paa hvilken Stilladset er drejeligt. For Laengdeindstillingen flyttes blot denne Bolt fra det ene Hul til det andet. Drejeind-] stillingen sker ligesom ved de kendte Endelejer ved Hjaelp af cn Spaendeskrue. En Udfoerelsesform for Opfindelsen er frem- ' stillet paa Tegningen, hvor j Fig. t viser Lejet set fra Siden og j Fig. 2 samme i Perspektiv og i stoerre Maale- stok. Endelejet A har en nedre Anlaegsfiade b \ og en ovre skraat opefter gaaende Anlaegsflade c, saa at det kan forbindes med Forskallings- stilladset B's Ender, og man benytter efter de foreliggende Tilfaelde den ene eller den anden Anlaegsflade. Hullerne d tjener til Optagelse af en Stikbolt e, der tillige forbinder Endelejet A med Stilladset B. 1 Forhold til, om Bolten e indsaettes i Hullet ri1, d2 eller 3, Fig. 1, kan Stilladset B's Laengde forandres. Stikbolten e tjener desuden som en Aksel, om hvilken Stilladset B drejer sig, naar det ved Hjaelp af Spaendeskruen f haeves eller saenkes. Endelejet kan ogsaa benyttes til andre Byg- ningsdele, f. Eks. til Tagspaer, Telte, Skur og lignende. Patentkrav. 1. Endeleje til de 1 Patent Nr. 17426 om- handlede Eorskallingsstilladser, som for at kunne forandre Stilladsets Laengde er indstilleligt i Laengderetningen og for Hoejdcio randringen kan drejes om cn Tvaeraksel, karakteriseret ved, at Endclejet A i Stilladset B's Laengderet- ning har Huller d for cn efter Behov i det ene eller det andet Hul anbringelig Bolt e, paa hvilken Stilladset er drejeligt anbragt. 2. Ved det i Krav i angivne Endeleje den Anordning, at det er forsynet med to skraat til hinanden rettede Anlaegsflader b og c. Koebenhavn 1914. Trykt hos J. H. Schultz A/S, **Machine translation:** [Source: Claim 1] Danish Patent No 18935. B E S B BIVE E 8 E MRD BELONGING TO THE DRAWING, ANNOUNCED ON 22. June 1914. Bygmestcr Otto Arndt, Liegnitz, Germany. Endeleje to proposed calling **scaffolding**. 2. Additional patent (to Patent No 17426) issued on 10. June 1914, protected from 15. August 1913. The duration shall be calculated from the 3. June 1913. (Class 37: Husbygningsvaesen, including **scaffolding** and Hegning etc.) in Appendix Patent; No 17629 is shown in Fig. 7-9 produced a Endeleje for in Patent No 17426 Formwork referred to **scaffolding**, which bearing to be able to change the length of the Cradle cr adjustable longitudinally and to be able to change during the height is rotating on a cross shaft, hvorhos Turn The setting is made by attract- in withdrawal or Loesnen by a screw. This Endelcje requires a on the **scaffolding** retractable Medium-piece that as a kind of saddle is based on one of the fin Jets studs. E11 simplified Udfoerelses-! The form of this Endeleje is known but also in this Bygningsmaadc is in many cases; costly, in particular where it does not apply a fine ' length setting of the **scaffolding**. The present invention of an outer- ligere simplified Endeleje which does not require ct special spacer on **scaffolding**. Fin-owned is fitted with several, in the style- ladsets longitudinal direction after the other formed holes for a connector bolt on which the **scaffolding** is rotating. For the length setting moved just this bolt from one hole for the second. Drejeind-] still takes place as well as by the known end bearings using the CN Clamping Screw. A performance form for the invention is forward and ' produced in the Drawing where j Fig. t shows the bearing side view and j Fig. 2 the same in perspective and in larger measuring stick. Fin-OWNED A has a lower Anlaegsfiade b \ and an over inclined upwards bill Shoulder c, so that it can be connected with Forskallings- **scaffolding** B's ends and you use in accordance with the present case the one or the other mating face. The holes d is used to record a connector pin E are also connects the fin-OWNED A with the **scaffolding** B. 1 Relation to whether the bolt e shall be inserted into the hole ri1, D2 or 3, Fig. 1, **Scaffolding** B's length changes. Connector pin e also serves as a shaft, on which the **scaffolding** B case when it by means of the clamping screw f is raised or lowered. Fin-owned may also be used for other barley seal parts, e. For example. To Tagspaer, tents, shed and similar. Patent requirements. 1. Endeleje to the 1 Patent No 17426 on- Eorskallingsstilladser acted as to be able to change the Cradle Length is adjustable longitudinally and for Hoejdcio peripheral ring can be rotated on cn cross shaft, characterised by the Endclejet A of the **scaffolding** B's Laengderet- withdrawal has holes d for cn as needed in one or the second hole position avoidable Bolt e, on which the **scaffolding** is rotating. 2. At the requirements of the specified Endeleje the device that it is equipped with two oblique to each other informed mating surfaces b and c. Copenhagen 1914. Printed from J. H. Schulz A/S,

Beskrivelse til Bekendtgørelse af

Dansk Patent Nr 18935

Fig. 1.

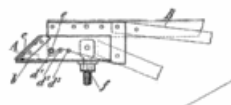
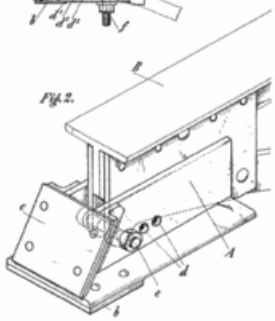


Fig. 2.



Boktrykkeriet ved Generalstabens topografiske Afdeling 1936

36) Family number: 37035607 (GB191324653A)

Title:	Improvements in and relating to Scaffolding and Staging.
Priority:	19131030

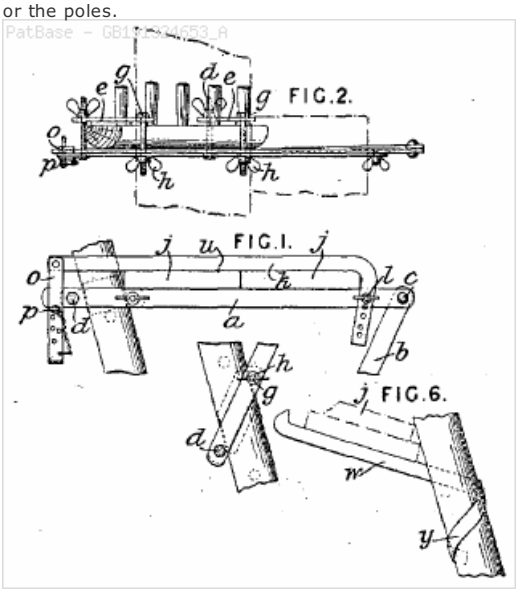
Family:

Publication number	Publication date	Application number	Application date
GB191324653 A	19140730		00000000

Probable Assignee:	CURLEY JOHN
Assignee(s):(std)**:**	CURLEY JOHN
Assignee(s):	JOHN CURLEY
Inventor(s):(std)**:**	CURLEY JOHN
Inventor(s):	JOHN CURLEY
International class (IPC 8-9):	E06C7/16 (Advanced/Invention); E06C7/00 (Core/Invention)
CPC:	E06C7/16
European class:	E06C7/16

Classification Explorer

Abstract:
24,653. Curley, J. Oct. 30. **Scaffolding** and staging.-Staging-boards are supported on brackets consisting of horizontal and inclined members a, b which are pivoted together at c and are secured to ladder sides or poles by clamping-plates e, mounted on fixed bolts d and held in adjusted position by nuts h and bolts g passed through registering holes in the plates and bracket members. The staging-boards are secured against movement by clamping-bars k adjustably mounted on bolts l at one end of the members a, and connected by perforated loops o and pins p, or shackles, to the other end, the bars k being provided with teeth and c. u, if desired, to engage the boards. When the brackets are to be shifted in position, the boards are temporarily supported on members w formed with bent ends y to engage round the ladder sides or the poles.



37) Family number: 30916681 (US1442582A)

Title:	SCAFFOLDING
Priority:	19140512 US19210489835 19210804

Family:

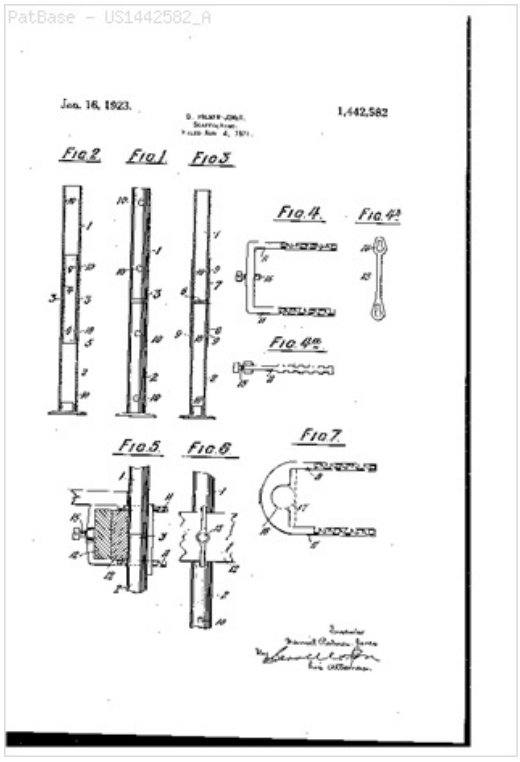
Publication number	Publication date	Application number	Application date
GB191411700 A	19140910		19140512
US1442582 A	19230116	US19210489835	19210804

Probable Assignee:	TUBULAR SCAFFOLDING CO LT
Assignee(s):(std):	DANIEL PALMER JONES ; PATENT RAPID SCAFFOLD TIE COMP ; TUBULAR SCAFFOLDING CO LT ; TUBULAR SCAFFOLDING COMPANY LT
Assignee(s):	TUBULAR SCAFFOLDING CO LTD ; THE TUBULAR SCAFFOLDING COMPANY LIMITED ; THE PATENT RAPID SCAFFOLD TIE COMPANY LIMITED
Inventor(s):(std):	DANIEL PALMER JONES
Inventor(s):	PALMER JONES DANIEL
International class (IPC 8-9):	E04G7/20 (Advanced/Invention); E04G7/00 (Core/Invention)
International class (IPC 1-7):	E04G7/20
CPC:	E04G7/20 Y10T24/1439 Y10T403/447 Y10T403/553 Y10T403/75
European class:	E04G7/20
US class:	24/278 403/219 403/294 403/408.1

Classification Explorer

Forward Citations:	US7854564, US7497051, US4934887, US4848954, US4089389, US2926880, US2754156, US2007157529, FR2663974, FR2653476, FR2444136, EP0371899,

Abstract:
11,700. Jones, D. Palmer-, and Patent Rapid **Scaffold** Tie Co. May 12. **Scaffolding**. - **Scaffold** members consist of tubular metal sections a connected together by internal or external junction-pieces b provided with abutments or collars c or internal webs c<1>. The sections and junction-pieces are formed with holes d, e to receive the arms f, g of U-shaped brackets which clamp ledger boards and c. o to the **scaffold** poles by screws k and plates h provided with keyhole slots m in the ends, the narrow parts of which engage notches l in the arms f, g. To connect several members at an angle, sockets with the desired number of arms are used.



38) Family number: 37045475 (GB191415346A)

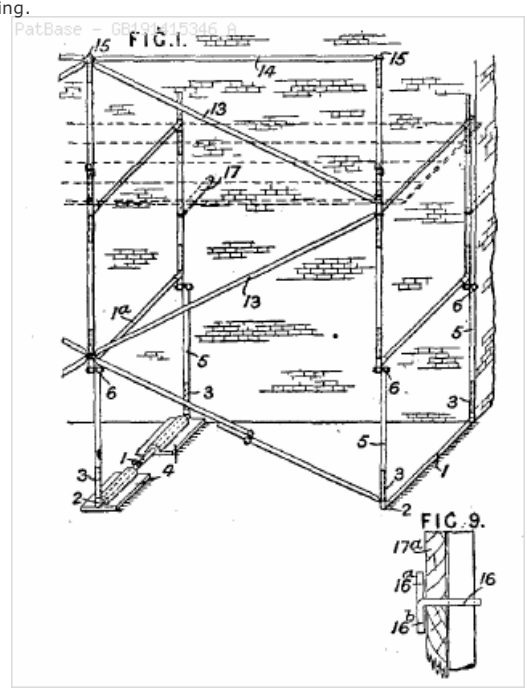
Title:	Improvements in Scaffolding and the like.
Priority:	19141221

Family:

Publication number	Publication date	Application number	Application date
GB191415346 A	19141209		00000000

Probable Assignee:	ANDREW BENJAMIN CLAUDE
Assignee(s):(std)**:**	ANDREW BENJAMIN CLAUDE ; PARSONS JOHN
Assignee(s):	BENJAMIN CLAUDE ANDREW ; JOHN PARSONS
Inventor(s):(std)**:**	ANDREW BENJAMIN CLAUDE ; PARSONS JOHN
Inventor(s):	BENJAMIN CLAUDE ANDREW ; JOHN PARSONS
International class (IPC 8-9):	E04G1/06 E04G7/28 (Advanced/Invention); E04G1/00 E04G7/00 (Core/Invention)
CPC:	E04G1/06 E04G7/28
European class:	E04G1/06 E04G7/28
Classification Explorer	
Forward Citations:	US2904126, US2575461,

Abstract:
15,346. Parsons, J., and Andrew, B. C. Dec. 21. **Scaffolding** and staging. - Relates to **scaffolding** and the like of the type comprising metal tubes connected by dowels and c., and comprises, in combination, ' vertical tubular members 5 connected by dowels and cross-bars 1, 1, oblique stays 13 having eyes to engage the dowels, tie-plates 17 secured to the wall and engaging the vertical members, and adjustable clamps 6 for the lower vertical and oblique members to adjust the **scaffolding** to irregularities of the ground. The dowels 3 are connected to the cross-bars by angle or T-joints 2, and the lower cross-bars may be provided with self-adjusting feet 4. A guard rail 14 is secured to the upper members 5 by pins 15. Platforms may be formed by placing boards upon the cross-bars. Material is retained upon the platforms by boards 17, Fig. 9, held in place by clips 16 having holes to receive the vertical members and formed with bent tongues 16, 16b. The sections of the **scaffolding** may be swung about the vertical members to conform to the contour of the building.



39) Family number: 37052941 (GB191422541A)

Title:	IMPROVEMENTS IN OR RELATING TO SUSPENDED TRAVELLING SCAFFOLDING.
Priority:	19110311

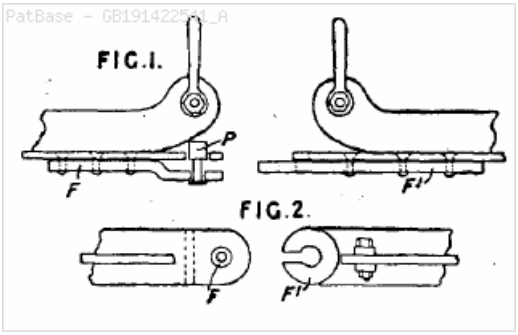
Family:

Publication number	Publication date	Application number	Application date
GB191422541 A	19150812		00000000

Probable Assignee:	SPENCER SAMUEL EBENEZER
Assignee(s):(std)**:**	SPENCER SAMUEL EBENEZER
Assignee(s):	SAMUEL EBENEZER SPENCER
Inventor(s):(std)**:**	SPENCER SAMUEL EBENEZER
Inventor(s):	SAMUEL EBENEZER SPENCER
International class (IPC 8-9):	E04G3/28 (Advanced/Invention); E04G3/28 (Core/Invention)
CPC:	E04G3/28 E04G2003/283
European class:	E04G3/28

Classification Explorer

Abstract:
22,541. Spencer, S. E. Nov. '14. [Addition to 6172/11.] Staging, suspended. -Relates to suspended travelling **scaffolding**. The abutting ends of the sections of the track are provided with fish-plates F, F<1>, one of which has a bolt-hole and the other a keyhole slot. By lifting the shouldered connecting-bolt P to the position shown in Fig. 1, the two parts of the track can be engaged, the slot passing over the small part of the bolt. The bolt P is then allowed to fall; the larger part of the bolt then engages the larger part of the keyhole slot.



40) Family number: 37058209 (GB191508200A)

Title:	An Improved Bearer or Support for Scaffolding and the like.
Priority:	19140613

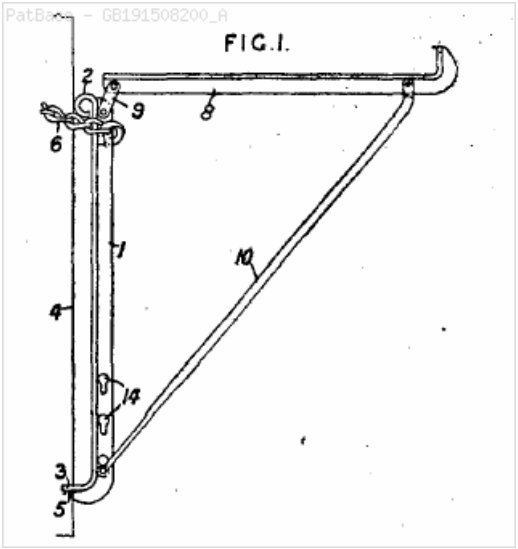
Family:

Publication number	Publication date	Application number	Application date
GB191508200 A	19160921		00000000

Probable Assignee:	RICCHINI JOSEPH
Assignee(s):(std)**:**	RICCHINI JOSEPH
Assignee(s):	JOSEPH RICCHINI
Inventor(s):(std)**:**	RICCHINI JOSEPH
Inventor(s):	JOSEPH RICCHINI
International class (IPC 8-9):	E04G5/06 (Advanced/Invention); E04G5/00 (Core/Invention)
CPC:	E04G5/06
European class:	E04G5/06

Classification Explorer

Abstract:
8200. Ricchini, J. June 13,1914, [Convention date]. **Scaffolding**.-A bearer or support for **scaffolding** for the use of painters and others comprises an upright 1 of T-iron secured to the **scaffold** pole and c. 4, an arm 8 pivoted by links 9 to the upper end of the upright, and a strut 10 pivoted to the arm 8 at one end and at the other provided with a beaded bent portion which engages with one or other of a series of keyhole-shaped slots 14 in the web of the upright 1. The double flange of the upright is bent at its upper end as shown at 2, and at its lower end is formed into a fork 3 partly to embrace the pole 4, while the lower end of the web is formed into a spike 5 for driving into the pole. The bearer is secured to the pole by the spike 5 and by a chain 6 hooked to the upper part of the upright 1 and embracing the pole.



41) Family number: 25752676 (GB108417A)

Title:	Brackets or Dogs to Support Scaffolding or other Structures and the like.
Priority:	GB19160017317 19161202

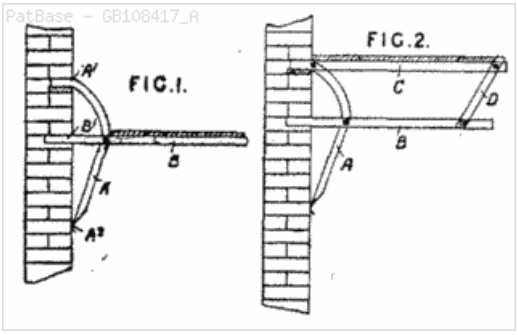
Family:

Publication number	Publication date	Application number	Application date
GB108417 A	19170809	GB19160017317	19161202

Probable Assignee:	BRANSON GALE
Assignee(s):(std)**:**	BRANSON GALE
Assignee(s):	GALE BRANSON
Inventor(s):(std)**:**	BRANSON GALE
Inventor(s):	GALE BRANSON
International class (IPC 8-9):	E04G5/06 (Advanced/Invention); E04G5/00 (Core/Invention)
International class (IPC 1-7):	E04G3/08
CPC:	E04G5/06
European class:	E04G5/06

Classification Explorer

Abstract:
108,417. Branson, G. Dec. 2, 1916. Brackets.-**Scaffolding** is supported by a bar B inserted in the wall at B' and pivoted to a bent bar A inserted in the wall at A' and having a a flattened end pressing against the wall at A<2>. Additional bars C, D, Fig. 2, may be provided to support a wider **scaffold** which rests on the bar C.



42) Family number: 25754265 (GB116056A)

Title:	Improvements in or relating to Scaffolding or the like Temporary Erections.
Priority:	GB19180002505 19180212

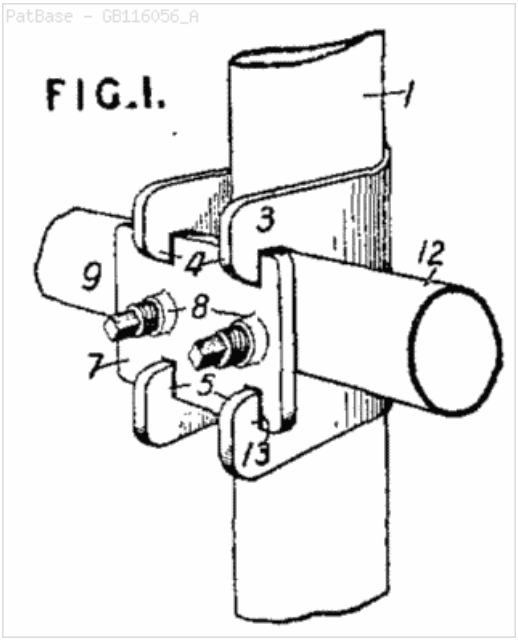
Family:

Publication number	Publication date	Application number	Application date
GB116056 A	19180530	GB19180002505	19180212

Probable Assignee:	DANIEL PALMER JONES
Assignee(s):(std)**:**	DANIEL PALMER JONES ; PATENT RAPID SCAFFOLD TIE COMP
Assignee(s):	PATENT RAPID SCAFFOLD TIE COMP DANIEL ; THE PATENT RAPID SCAFFOLD TIE COMPANY LIMITED
International class (IPC 8-9):	E04G7/08 E04G7/18 (Advanced/Invention); E04G7/00 (Core/Invention)
International class (IPC 1-7):	E04G7/08 E04G7/18
CPC:	E04G7/08 E04G7/18
European class:	E04G7/08 E04G7/18

Classification Explorer

Abstract:
116,056. Jones, D. Palmer-, and Patent Rapid **Scaffold** Tie Co. Feb. 12, 1918. **Scaffolding**. - The tubular or solid members 1, 12 of **scaffolding** or like temporary erections are connected by a U-shaped clamp 3 and a plate 7 with one or more set-screws 9. The clamp is formed with hooks 4, 5 to hold the plate, and with a portion cut away to receive the cross-member 12. The plate 7 may be formed with recesses 13 to receive the hooks 4, 5, and with bosses 8 for the set-screws. Two parallel members of **scaffolding** may be connected in a similar manner, and one member may be divided and the adjacent ends be brought together and clamped by the bracket. Specification 11700/14 is referred to.



43) Family number: 25754244 (GB117541A)

Title:	Improvements in Ties for Erecting Scaffolding and for other similar purposes.
Priority:	GB19170014385 19171005

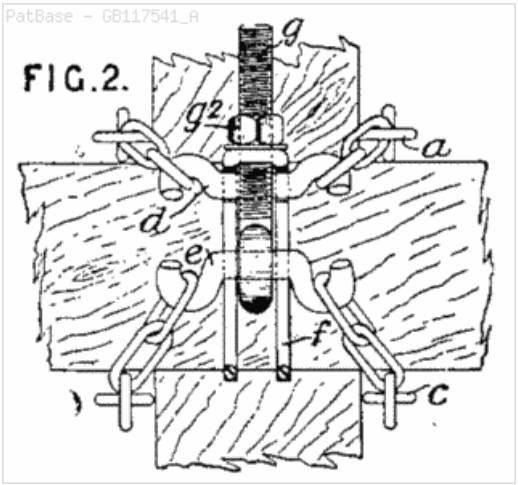
Family:

Publication number	Publication date	Application number	Application date
GB117541 A	19180725	GB19170014385	19171005

Probable Assignee:	BORNAND FRANCOIS VICTOR
Assignee(s):(std)**:**	BORNAND FRANCOIS VICTOR
Assignee(s):	FRANCOIS VICTOR BORNAND
Inventor(s):(std)**:**	BORNAND FRANCOIS VICTOR
Inventor(s):	FRANCOIS VICTOR BORNAND
International class (IPC 8-9):	E04G7/04 (Advanced/Invention); E04G7/00 (Core/Invention)
International class (IPC 1-7):	E04G7/04
CPC:	E04G7/04
European class:	E04G7/04

Classification Explorer

Abstract:
117,541. Bornand, F. V. Oct. 5, 1917. **Scaffolding** and staging.-A tie for **scaffolding** comprises an unbendable s h o e or bracket f of U- shape, the bottom of the U having a hole through which an eye bolt g passes. Chains a, c a r e carried by hook connexions d, c, and in tightening the tie by means of a nut g<2>, the stresses are borne by the connexions d, e bearing upon the edges of the shoe f so that bending of the bolt g is prevented. According to the Provisional Specification, a differential screw, or two screws may be used, so that both chains are tightened, and the connexions d, e may be provided with packing-pieces to keep the sides of the shoe apart.



44) Family number: 24969974 (GB118369A)

Title:	A Portable Fixing for the Upright Standards which Carry the Stage Planking in Ship-yards at the Sides of Vessels being Built.
Priority:	GB19170016525 19171110

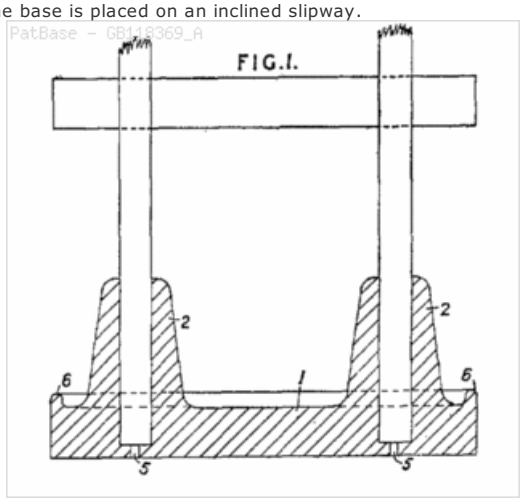
Family:

Publication number	Publication date	Application number	Application date
GB118369 A	19180829	GB19170016525	19171110

Probable Assignee:	THOMPSON WILLIAM BRUCE
Assignee(s):(std)**:**	THOMPSON WILLIAM BRUCE
Assignee(s):	WILLIAM BRUCE THOMPSON
Inventor(s):(std)**:**	THOMPSON WILLIAM BRUCE
Inventor(s):	WILLIAM BRUCE THOMPSON
International class (IPC 8-9):	B63C5/02 (Advanced/Invention); B63C5/00 (Core/Invention)
International class (IPC 1-7):	B63B9/00
CPC:	B63C5/02 B63C2005/025
European class:	B63C5/02 L63C5/02S

Classification Explorer

Abstract:
118,369. Thompson, W. B. Nov. 10, 1917. **Scaffolding** and staging.-A portable footing for the uprights of **scaffolding** in shipyards consists of a concrete base 1 intended to rest on the ground and having one or more pairs of holes or sockets 2 to receive the uprights. The holes do not extend completely through the base, but a small hole 5 is provided for drainage purposes. The base may be reinforced and is also provided with a beading 6 to retain loading material such as scrap iron. The bosses may be inclined to the base so that the uprights may be perpendicular when the base is placed on an inclined slipway.



45) Family number: 39381311 (DK24193C)

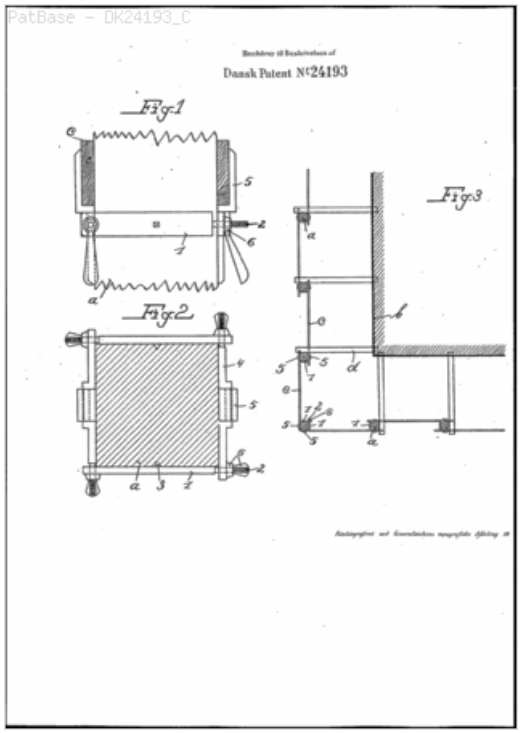
Title:	Hjaelpeapparat til Opbygning af Stilladser. Using the appliance for the building of scaffolding. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK24193 C	19190310		00000000

Probable Assignee:	SOERENSEN JENS PETEE
Assignee(s):(std)**:**	SOERENSEN JENS PETEE
Assignee(s):	JENS PETEE SOERENSEN
Inventor(s):(std)**:**	SOERENSEN JENS PETEE
Inventor(s):	JENS PETEE SOERENSEN

Abstract:
Source: DK24193C [DA] [Source: Claim 1] 1. DANSK PATENT **Machine translation:** [Source: Claim 1] 1. Danish PATENT



46) Family number: 26093113 (GB128868A)

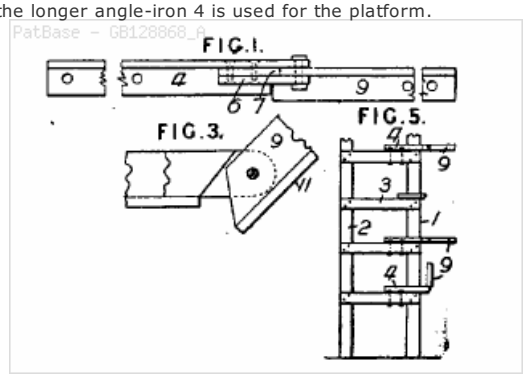
Title:	Improvements in Scaffolding.
Priority:	GB19190003575 19190213

Family:

Publication number	Publication date	Application number	Application date
GB128868 A	19190703	GB19190003575	19190213

Probable Assignee:	MCLEOD DONALD
Assignee(s):(std)**:**	MCLEOD DONALD
Assignee(s):	DONALD MCLEOD
Inventor(s):(std)**:**	MCLEOD DONALD
Inventor(s):	DONALD MCLEOD
International class (IPC 8-9):	B63C5/02 (Advanced/Invention); B63C5/00 (Core/Invention)
International class (IPC 1-7):	E06C7/08
CPC:	B63C5/02 B63C2005/025
European class:	B63C5/02 L63C5/02S
Classification Explorer	
Forward Citations:	CN105346688,

Abstract:
128,868. McLeod, D. Feb. 13, 1919. **Scaffolding**.-An adjustable and hinged platform is provided in **scaffolding** especially for ship construction. To the transverse members 3 of the frame work 1, 2 are attached angle-irons 4 extending to or just past the uprights and similar angle-iron members 9 are hinged thereto by means of a bar 6 and spacer 7 which may be integral therewith. The spacer and angle-iron 9 are bevelled to:form an horizontally butting hinge. The flange 11 affords a surface for the planking. To provide for broader platform the member 9 is fixed to the frame and the longer angle-iron 4 is used for the platform.



47) Family number: 39381802 (DK24755C)

Title: Anordning ved Stilladser til Toerring af Straaplanter og lignende, der dyrkes til Froeavl. Device in the scaffolding for drying of the Beam Plants and similar grown for seed production. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DK24755 C	19190714		00000000

Probable Assignee: ANDERSSON ANDERS

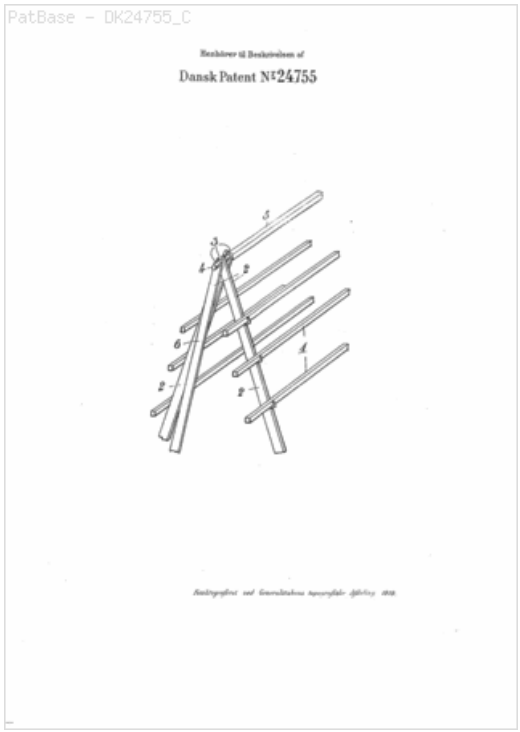
Assignee(s):(std)**:** ANDERSSON ANDERS

Assignee(s): ANDERS ANDERSSON

Inventor(s):(std)**:** ANDERSSON ANDERS

Inventor(s): ANDERS ANDERSSON

Abstract:
Source: DK24755C [DA] [Source: Claim 1] 1. Ved saadanne Stilladser til Toerring af Foderstraa, utaersket Saed eller lignende, som bestaar af to eller flere Bukke, af hvilke hver er sammensat af to eller flere Stolper, som paa deres udvendige Side har Anordninger til at baere vandrette Staenger, paa hvilke Saeden eller Foderstraaet, der skal toerres, laegges op, og som foroven har en langagtig Stang, der forener de Stolper, af hvilke Bukkene er sammensatte, den A n o r d n i n g, at Stolperne ved deres oeverste Ende har opad aabne Udsparinger, der er ind- rettede til at optage den Stang, som sammen- holder Stolperne.
Machine translation: [Source: Claim 1] 1. By such **scaffolding** for drying of fodder straw, unthreshed semen or similar, which consists of two or more stands, of which each is composed of two or more posts on their outer side has devices to carry the horizontal bars, on which the semen or Foderstraaet, drying, be added up and the top has a long-like rod that unites the pillars, of which the splitting stands are compound, the A n o r d n i n g that the posts by their upper end have upwards open recesses, there is Check-in corrected to record the rod, which together- the pillars.



48) Family number: 25751168 (GB131766A)

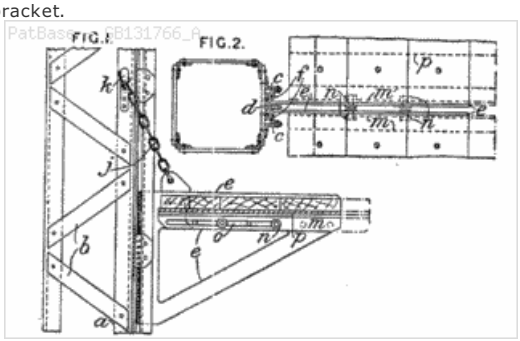
Title:	Device for the Improvement of Staging in Conjunction withh Single Uprights.
Priority:	GB19180015311 19180920

Family:

Publication number	Publication date	Application number	Application date
GB131766 A	19190904	GB19180015311	19180920

Probable Assignee:	MUIR ALFRED EDWARD
Assignee(s):(std)**:**	MUIR ALFRED EDWARD
Assignee(s):	ALFRED EDWARD MUIR
Inventor(s):(std)**:**	MUIR ALFRED EDWARD
Inventor(s):	ALFRED EDWARD MUIR
International class (IPC 8-9):	E04G1/20 (Advanced/Invention); E04G1/18 (Core/Invention)
International class (IPC 1-7):	E04G1/20
CPC:	E04G1/20
European class:	E04G1/20
Classification Explorer	
Forward Citations:	US2548265,

Abstract:
131,766. Muir, A. E. Sept. 20, 1918. **Scaffolding** and staging.- **Scaffolding** for ship building and c. comprises a series of single uprights composed of angleirons a and braces b, each upright having two vertical channel ways formed by angleirons c and a #-iron d and two brackets e sliding independently in said channels with guides f engaging the bracket flanges. Staging planks are bolted before elevating to plates p riveted to angle-irons m which are secured to the brackets by bolts n in the brackets passing through slots o in the angle-irons. The brackets are then hoisted by ropes or tackle and secured by a chain j and cleat or hook k, the tackle being then removed. The angle-irons m and plates p may be made to slide outwards to give greater outreach of staging and additional bolts may be used to secure the angle-iron to the bracket.



49) Family number: 18050167 (GB138005A)

Title:	An improved system of scaffolding
Priority:	GB19190013460 19190528

Family:

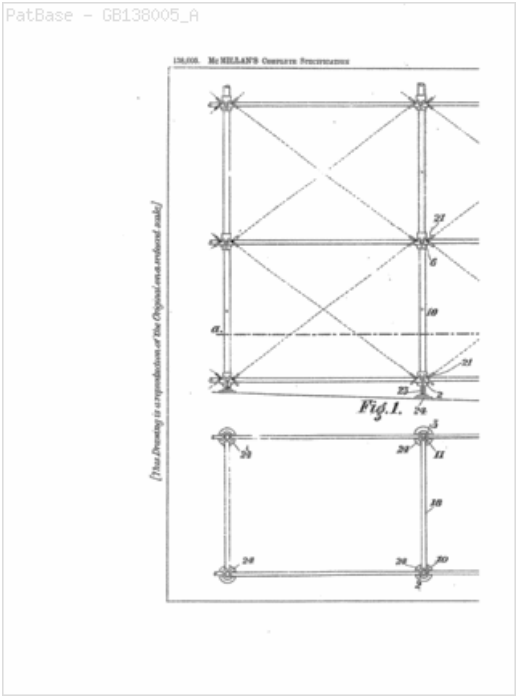
Publication number	Publication date	Application number	Application date
GB138005 A	19200129	GB19190013460	19190528

Probable Assignee:	JAMES MCMILLAN
Assignee(s):(std)**:**	JAMES MCMILLAN
International class (IPC 8-9):	E04G7/02 (Advanced/Invention); E04G7/00 (Core/Invention)
International class (IPC 1-7):	E04G7/02
CPC:	E04G7/02
European class:	E04G7/02

Classification Explorer

Abstract:

138,005. McMillan, J. May 28, 1919. **Scaffolding** ironwork, constructional.-A **scaffolding** consists of any desired number of sections, each section comprising steel tubes, iron or steel fittings, and wire stays with means of securing same to the fittings. Each section consists of two parallel series of tubular frames 9, 20, 12, 17 jointed by tubes at each of the four corners and braced by wire stays 22. Fig. 2 shows two sections, one superimposed on the other. The **scaffolding** is supported by plates 24 and screws 23. The fittings 2, Fig. 5, are provided with three socket arms 25, 26, 27 to support the horizontal tubes, one of which 14 is shown. These tubes are provided with flanges 30 which take into grooves 32 and are provided with slots 31 to accommodate the shackle 21, which is also housed in a hook-shaped part 28 in the socket arm. The vertical tubes 10 rest on a ledge 37 and are provided with pins which take into the bayonet slots 38, 39. Intermediate platforms are secured, if desired, by means of rods and clamps attached to the vertical and horizontal rods by means of the holes shown therein. Handrails of tubular form may be secured to the tubes by cleats.



50) Family number: 30124030 (DE319911A)

Title:	GERUEST FUER SCHAUKAESTEN, LADENFRONTEN U. DGL. AUS DURCH VERBINDUNGSSTUECKE ZUSAMMENGEHALTENEN RAHMENSTANGEN Scaffolding for SCHAUKAESTEN, STORE FRONTS U. DGL. OFF BY VERBINDUNGSSTUECKE TOGETHER HELD UNDER SPEARS (Machine translation)
Priority:	19130831

Family:

Publication number	Publication date	Application number	Application date
DE319911 A	19200406		19130831

Probable Assignee:	WALTER HORACE TIERNEY
Assignee(s):(std)**:**	WALTER HORACE TIERNEY
Forward Citations:	DE1231025,

Abstract:
Source: DE319911A [DE] (Claim 1) 1.PATENTANSPRUCH: Geruest fuer Schaukaesten, Ladenfronten u. dgl. aus durch Verbindungsstuecke zu sammengehaltenen Rahmenstangen, da durch gekennzeichnet, dass die Verbindung der Rahmenstangen mit den Verbindungs oder Winkelstuecken.dadurch geschieht, dass die Stangen stumpf gegen die hohl ausgefuehrten Verbindungsstuecke stossen und an diesen durch parallel der Achse der Rahmenstange liegende.Schrauben be festigt werden.

Machine translation: (claim 1) 1.PATENTANSPRUCH: **scaffolding** for Schaukaesten, shop fronts, etc. by Verbindungsstuecke to sammengehaltenen frame bars, as characterized by that the connection of the frame rails with the connection or Winkelstuecken.dadurch happens that the rod butt against the hollow subsequently performed Verbindungsstuecke push this through and parallel to the axis of the frame bar liegende.Schrauben be as prescribed.