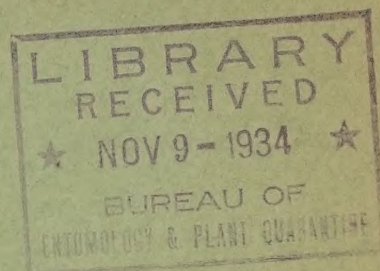


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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY AND SOILS
INSECTICIDE DIVISION

Patent List No. 23



A LIST OF
UNITED STATES PATENTS
Issued from 1917 to 1933 inclusive
relating to
FLY NETS AND RED CANOPIES
Compiled by
R. C. Roark

Washington, D. C.
September, 1934

A LIST OF UNITED STATES PATENTS ISSUED FROM 1917 TO 1933, INCLUSIVE,
RELATING TO FLY NETS AND BED CANOPIES

Compiled by

R. C. Roark

Insecticide Division, Bureau of Chemistry and Soils

The 44 devices mentioned in these patents include 4 of screening tents, 7 for protecting cows or horses against flies, and 33 for supporting netting over a bed or part of a bed to protect the sleeper against mosquitoes.

Every effort has been made by the compiler to make this list of patents complete and no discrimination is intended against any patent mention of which is inadvertently omitted.

The Department of Agriculture assumes no responsibility for the merits or workableness of any of the patents, nor does it recommend any of the inventions listed.

1,218,829 (Mar. 13, 1917; appl. Nov. 20, 1916). FLY NET.
Robert K. Bean, Winthrop, Mass. - This fly net for horses is provided with leggings for protecting the animal's legs.

1,226,401 (May 15, 1917; appl. Aug. 17, 1916). MOSQUITO BAR.
Victor A. Smith, Rockport, Miss. - A collapsible mosquito bar which can be secured to the frame of a bed is described.

1,231,735 (July 3, 1917; appl. June 28, 1916). MOSQUITO-NETTING-CANOPIE FRAME.
Mabel W. Harris, Natick, Mass. - This knock-down frame supports netting over a bed.

1,233,938 (July 17, 1917; appl. Oct. 19, 1916). CANOPIE.
Harald Ulrichsen, Midland Park, S. C. - This folding canopy is adapted for protecting a baby from flies and mosquitoes.

1,254,529 (Jan. 22, 1918; appl. Sept. 19, 1917). MOSQUITO-NET SUPPORT FOR COTS.
Fidel B. Panganiban, Lobo, Batangas, P. I. - This rectangular supporting structure for a mosquito netting may be quickly set up in position.

1,260,511 (Mar. 26, 1918; appl. May 24, 1917). CANOPIE SUPPORT.
Houston M. Carroll, San Antonio, Tex. - This frame supports a mosquito netting over a bed.

1,268,767 (June 4, 1918; appl. Aug. 3, 1917). MOSQUITO-NET OR CANOPIE HOLDER.
Edwin Peak, Centralia, Fla. - One-half to John H. Gilbert, Plant City, Fla. - This support holds a mosquito net over a bed or a table.

1,279,434 (Sept. 17, 1918; appl. June 22, 1918). PORTABLE FRAME FOR MOSQUITO BARS.
Rees Prichard, Detroit, Mich. - This frame supports mosquito netting over the head of a cot.

1,303,619 (May 13, 1919; appl. Sept. 13, 1918). MOSQUITO-FOIL FOR BEDS. Retta H. Vance, San Francisco, Calif. - This mesh fabric bag-like device is designed to exclude mosquitoes from a bed.

1,335,230 (Mar. 30, 1920; appl. Sept. 3, 1918). INSECT-GUARD. John R. Gleeson, Stockton, Calif. - This net for protecting a sleeper's head from mosquitoes is supported on a lazy-tongs structure.

1,342,354 (June 1, 1920; appl. Nov. 6, 1918). BED ATTACHMENT. Arthur Schoonmaker, Baton Rouge, La. - This mosquito canopy may be folded into compact form when not in use.

1,349,929 (Aug. 17, 1920; Nov. 15, 1916). CANOPY FOR BEDS. Carl L. Van Tysl, Bison, Kans. - This structure supports mosquito netting over an infant in bed.

1,376,218 (Apr. 20, 1921; appl. Dec. 4, 1920). SUPPORT FOR PROTECTIVE COVERINGS. Noel W. Morant, New Orleans, La. - This support for mosquito netting is collapsible and portable.

1,385,589 (July 26, 1921; appl. Apr. 19, 1921) FOLDING SCREEN-TENT FOR OUTDOOR BEDS. Joseph H. Sheney, Decatur, Ill. - This collapsible screen may be readily set up and taken down.

1,388,117 (Aug. 16, 1921; appl. July 20, 1920). SWINGING CRADLE. Josephine S. Nimicks, Freehold, N.J. - This foldable and portable cradle is suspended from the roof of a canopy which protects the child against insects.

1,398,381 (Nov. 29, 1921; appl. June 28, 1920). ANIMAL COVER. Richard T. Laacke, Milwaukee, Wis. - This blanket, which may be made of duck, is designed to protect the back and sides of a cow from flies.

1,409,609 (Mar. 14, 1922; appl. Aug. 17, 1921). PORTABLE STANDARD AND CANOPY SUPPORT FOR INSECT SCREENS, NETTING, AND THE LIKE. Lillian D. Stockle, Vineland, N.J. - This portable standard supports a screened tent.

1,418,608 (June 6, 1922; appl. Mar. 12, 1921). BABY NET FRAME. Blessie E. Akers, Thrift, Tex. - This structure supports a mosquito net the desired distance from the bed and occupant.

1,443,301 (Jan. 23, 1923, appl. May 12, 1922). BED CANOPY. Edgar M. Wilson, Davenport, Iowa. - This removable and adjustable bed canopy is especially designed for hospital beds.

1,454,395 (May 8, 1923; appl. Jan. 5, 1922). CANOPY FOR AUTOMOBILE BEDS. Charles D. McDonald, Los Angeles, Calif. - This canopy is designed for use with a folding bed used by campers and motor tourists.

1,489,301 (Apr. 8, 1924; appl. Sept. 21, 1923). WEIGHT FOR HORSE BLANKETS. Cecil Baker, Edmunds, N. Dak. - These weights are intended to hold a fly mat in position on a horse's back.

1,303,619 (May 13, 1919; appl. Sept. 13, 1918). MOSQUITO-FOIL FOR BEDS. Retta H. Vance, San Francisco, Calif. - This mesh fabric bag-like device is designed to exclude mosquitoes from a bed.

1,497,351 (June 10, 1924; appl. Oct. 15, 1923). FLY NET. Albert Swenson, Payne, Minn. - One-Third to Edward Swenson, Duluth, Minn. - Ordinary fly netting is supported on the back of a horse by a series of knobs or balls attached to a coarse fabric.

1,541,215 (June 9, 1925; appl. Nov. 13, 1922). BED CANOPY. Mabel J. Hastings, Loma Portal, Calif. - This frame holds mosquito netting over the head of a sleeping person.

1,546,020 (July 14, 1925; appl. Apr. 25, 1924). INSECT SCREENS FOR BEDS. Lillian C. Nesbitt, Las Cruces, N. Mex. - This wire frame supports mosquito netting over the head of a bed.

1,565,191 (Dec. 8, 1925; appl. Mar. 13, 1925). CANOPY HOLDER. Virginia P. Nelson, New York, N.Y. - This standard holds mosquito netting over a bed.

1,608,242 (Nov. 23, 1926; appl. Dec. 7, 1925). FOLDING PORTABLE CANOPY FRAME. Salvator J. Sava, Port Chester, N.Y. - This structure supports mosquito netting over a cot or a child's crib.

1,608,453 (Nov. 23, 1926; appl. Nov. 30, 1925). LEG-PROTECTING DEVICE FOR CATTLE. William Witcuffsk, Okotoks, Alberta, Canada. - This tassel is fastened around the lower leg of a cow by a buckle, and serves to protect the animal from the heel fly.

1,625,673 (Apr. 19, 1927; appl. May 4, 1926). CANOPY HOLDER. Virginia P. Nelson, New York, N.Y. - This portable canopy holder supports mosquito netting over a bed.

1,666,601 (Apr. 17, 1928; appl. June 2, 1926). PROTECTIVE COVERING DEVICE. Lena Kanowitz, New York, N.Y. - This device supports netting over an infant sleeping in a baby carriage.

1,677,839 (July 17, 1928; appl. Aug. 15, 1927). FLY NET FOR HORSES. Adrien Montels, Buenos Aires, Argentina. - This fly net covers the animal well except the back portion.

1,687,862 (Oct. 16, 1928; appl. May 3, 1926; in Cuba, May 3, 1925). MOSQUITO BAR (OR NET) CARRIER. Luis de Sosa y Freixas, Habana, Cuba. - This frame supports a mosquito net over a bed.

1,703,660 (Feb. 26, 1929; appl. Feb. 1, 1927). MOVABLE FLY NET. Henry F. Davis, Walters, Okla. - George B. Smith, Lawton, Okla. - This fly net is moved backward and forward by the neck of the horse to brush off flies.

1,707,647 (Apr. 2, 1929; appl. June 23, 1927). CANOPY FOR BEDS. Charles I. Still, Ossining, N.Y. - This device holds mosquito netting over the head of a sleeping person.

1,737,664 (Dec. 3, 1929; appl. Apr. 6, 1928). CANOPY SUPPORT FOR BEDSTEADS. Richard M. Maness, Ada, Okla. - This frame supports mosquito netting over a bed.

1,751,290 (Mar. 18, 1930; appl. Aug. 5, 1929). NET SUPPORT FOR CAMPER'S COTS. Harold L. Race, Idalia, Colo. - This collapsible frame supports mosquito netting over a cot.

1,770,841 (July 15, 1930; appl. Jan. 6, 1928). COVER FOR BABY CARRIAGES. Max Clyman, Philadelphia, Pa. - This cover provides netting over a baby carriage.

1,792,799 (Feb. 17, 1931; appl. Oct. 22, 1928). BABY'S CANOPY. Elizabeth D. Baxter, Battle Creek, Iowa. - This structure supports mosquito netting over an infant.

1,805,415 (May 12, 1921; appl. Dec. 13, 1928). INSECT PROTECTOR. George R. Pendarvis, and Elizabeth L. Pendarvis, Hampton Roads, Va. - This invention provides a retiring kit comprising portions which may be utilized as an emergency bed, including screen members for protecting the head of a person from insects.

1,819,490 (Aug. 18, 1931; appl. Mar. 14, 1930). CANOPY. Max Weiss, Newark, N.J. - This folding frame is adapted to support a covering of screen cloth for use as a tent.

1,829,820 (Nov. 3, 1931; appl. Aug. 7, 1929). BOX QUILT. Noah H. Cole, Grove City, Pa. - This frame supports mosquito netting over a bed.

1,841,171 (Jan. 12, 1932; appl. Feb. 14, 1930). MOSQUITO NET FOR BEDSTEADS. Gilbert Clarke, Gatooma, S. Rhodesia, South Africa. - This mosquito netting hood for the head of a bed is mounted on a spring roller.

1,856,658 (May 3, 1932; appl. Dec. 30, 1931). TENT. Adelaide H. Rummel, Chicago, Ill. - This tent has suspended from the frame a complete rectangular mosquito net enclosure.

1,900,274 (Mar. 7, 1933; appl. Aug. 17, 1932). COLLAPSIBLE PLAY PEN AND SUN BATH. Harold I. Brockie, Chatham, N.J. - This structure is screened to prevent the entrance of insects.

1,909,467 (May 16, 1933; appl. Apr. 18, 1932). SCREEN. Takazumi Hirose and Toraki Kitazaki. Guadalupe, Calif. - This mosquito netting is supported on a framework to protect occupants in bed.

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