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We claim as our invention:

1. In a process of producing a smoke screen, ejecting from a moving body a liquid which reacts with a constituent of the air to produce a smoke, said body moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said smoke-producing liquid being ejected in a direction substantially opposite to that of the moving body and at a velocity to counteract said dispersive action.

2. In a process of producing a falling curtain of smoke, ejecting from a moving body a liquid which reacts with a constituent of the air to produce a smoke, said body moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said smoke-producing liquid being ejected in a direction substantially opposite to that of the moving body and at a velocity sufficient to counteract substantially all of said dispersive action.

3. In a process of producing a curtain of smoke, ejecting from a moving body a liquid which reacts with a constituent of the air to produce a smoke, said body moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said liquid being ejected in the form of a spray, at a velocity substantially equal and in a direction substantially opposite to that of the moving body.

4. In a process of producing a smoke screen, ejecting from an aeroplane while flying a liquid which reacts with a constituent of the air to produce a smoke, said liquid being ejected in a direction substantially opposite to that of the moving aeroplane and the difference in velocity between the aeroplane and the liquid ejected therefrom not exceeding 20 miles per hour.

5. In a process of producing a falling curtain of smoke, ejecting from moving aircraft

a liquid which reacts with a constituent of the air to produce a smoke, said aircraft moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said smoke-producing liquid being ejected in the form of a spray, in a direction substantially opposite to that of the moving aircraft and at a velocity sufficient to counteract the greater portion of said dispersive action.

6. In a process of producing a smoke screen, ejecting from a moving aeroplane a liquid which reacts with a constituent of the air to produce a smoke, said aeroplane moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom, and said smoke-producing liquid being ejected at the rear of and backward to the motion of said aeroplane and at a velocity closely approaching that of the moving aeroplane.

7. In a process of producing a smoke screen, ejecting from a moving body liquid $TiCl_4$, said body moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said $TiCl_4$ being ejected in a direction substantially opposite to that of the moving body and at a velocity to counteract said dispersive action.

8. In a process of producing a falling curtain of smoke, ejecting from moving aircraft liquid $TiCl_4$, said aircraft moving at a velocity sufficient to produce a highly dispersive action upon a liquid falling therefrom and said $TiCl_4$ being ejected in the form of a spray, in a direction substantially opposite to that of the moving aircraft and at a velocity sufficient to counteract the greater portion of said dispersive action.

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